

TEXAS BOARD OF WATER ENGINEERS

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LAVACA COUNTY, TEXAS

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

JUNE 25, 1936

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LAVACA COUNTY TEXAS

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Introduction

by

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U. S. Geological Survey

The purpose of this survey was to obtain all the information possible concerning the source and the quantity and quality of ground-water available for domestic, stock, irrigation, industrial, and public use.

This project was part of a Statewide Works Progress Administration Project known as a "Statewide Inventory of Water Wells" sponsored by the State Board of Water Engineers. The Division of Ground-Water of the U. S. Geological Survey cooperated in the technical direction of the project and the Bureau of Industrial Chemistry of Texas University furnished laboratory space and equipment and supervised the chemical analyses.

The analyses were made by chemists employed on Works Progress Administration Project 2992 at Austin, Texas, sponsored by the State Board of Water Engineers. This report was typed and assembled by typists and draftsmen employed on this project.

The field work in Lavaca County was started on December 23, 1935, as Project 2081 of District 10 of the Works Progress Administration, San Antonio, with M. A. Harrell as Project Superintendent. Mr. Harrell resigned on January 15 and W. C. George, a geologist, took his place. Lavaca, Dewitt and Gonzales Counties were to have been covered under this project. Lavaca County was completed and about 10% of Dewitt County had been covered by May 23, 1936 when the project was closed. It is hoped that this project will be re-opened when more money is available and Dewitt County completed.

This report contains the well records and all logs obtained by the project superintendent, logs of the test wells drilled by the W.P.A. labor and the chemical analyses of water from the privately owned wells and from the test wells.

The test wells were drilled by hand, using a soil auger, drop auger, small churn drill, and a sand bucket. Samples were collected at one foot intervals by the well driller in charge of the party. The project superintendent studied these samples and compiled the logs.

Records of wells in Lavaca County, Texas.

(All wells are bored or drilled unless otherwise noted in Remarks)

No.	Distance from Yoakum	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
1	4 miles northeast	B. J. Watson	Mary Vavricka	--	1908	30	48	0
e/ 2	4 miles northeast	B. J. Watson	J. P. A. test well	Guy Bingham	1936	28	3	--
e/ 3	5 miles northeast	B. J. Watson	do.	do.	1936	24	3	---
e/ 4	5½ miles northeast	B. J. Watson	R. F. Franks	--	--	37	36	2
5	5 miles northeast	Zach. Davis	W.P.A. test well	Guy Bingham	1936	42	3	--
6	7 miles northeast	Alex. Porter	I. F. Faykus	----	--	60	32	0
e/ 7	7½ miles northeast	Alex. Porter	J. Stasny	---	--	65	4	0
8	do.	J. Hall	W.P.A. test well	Guy Bingham	1936	45	3	0
9	7 miles northeast	J. Ryan	J. O. Donally	--	--	40	24	0
10	6½ miles east	S. M. Morris	C.J. Havlik	--	--	70	7	0
11	5-¾ miles east	S. M. Morris	L. F. Turner	--	--	75	12	0
e/12	6 miles east	do.	W.P.A. test well	Guy Bingham	--	33	3	--
13	do.	do.	G. Kuratka	--	--	55	30	0
14	do.	do.	Mrs. M. Valenta	M. Mitchell	1908	55	42	0
15	5½ miles northeast	do.	Mrs. G. Kahanek	--	--	65	4	0
16	6 miles northeast	Sweet Home	W.P.A. test well	Guy Bingham	1936	35	3	0
17	do.	do.	C.M. Hons	--	1915	50	3	0
18	do.	do.	do.	--	--	50	4	0
19	4 miles northeast	S.M. Morris	F. Vasek	--	1900	65	48	0
20	4½ miles northeast	do.	Jim McGrew	Frank Neely	--	86	6	0
21	4½ miles east	do.	T. J. Jemison	--	--	55	8	0

a/ Measuring point is the point from which water level measurement was made and was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records obtained by W. O. George, Project Superintendent,
 assisted by Guy Bingham.
 (Chemical analyses of water from these wells are
 given in the table of analyses)

No.	Water Level		Pump and Kind and amount of power b/	Use of water c/	Remarks
	Above + below - measur- ing point (feet)	Date of measure- ment. d/			
1	-24	d/	C,W	D,S	Located on top of hill. Dug well.
2	--	--	None	N	
3	--	--	None	N	
4	-32.5	May 19, 1936	B,H	D,S	Dug well with brick curbing.
5	--	--	None	N	
6	-55	May 21, 1936	C,W	D,S	Dug well with rock curbing.
7	-45	d/	C,W	D,S	
8	-39	Mar. 18, 1936	None	N	
9	-39	d/	B,H	S	
10	-55	d/	C,H	D,S	Tile casing.
11	-50	d/	C,W	D,S,I	D o.
12	--	--	None	N	
13	-51	d/	C,W	D,S,I	Dug well with rock curbing.
14	-41	d/	C,W	D,S,I	Dug well with concrete curbing.
15	-35	d/	C,W	D,S,I	Weak water supply reported at 45 feet.
16	-32.5	Feb.27, 1936	None	N	
17	-100	d/	C,E	P,Ind.	Reported first water at 50 and second at 50 feet, both weak.
18	-30	d/	C,W	P,Ind.	
19	-57	d/	C,W	D,S	Dug well with brick curbing.
20	-56	d/	C,W	D,S	Reported salty water at 50 feet.
21	-49	d/	B,H	D,S	Tile casing.

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

Records of wells in Lavaca County--Continued

No.	Distance from Yoakum	Survey	Owner	Driller	Date Completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
22	4 miles east	S. M. Morris	G.A. Magee	--	--	115	6	0
23	5 miles east	John Douglas	Mrs. O.G. Kuenster	--	--	70	6	0
e/24	3½ miles east	S.M. Morris	W.P.A. test well	Guy Bingham	1936	31	3	--
25	3 miles northeast	Patrick Ryan	John Stavarek	John Stavarek	1908	27	36	0
e/26	2-¾ miles northeast	do.	W.P.A. test well	Guy Bingham	1936	15	3	--
27	2½ miles northeast	do.	do.	do.	1936	14	3	0
28	2 miles east	do.	G.W. Hoch	--	--	65	4-1/4	0
29	do.	do.	W.P.A. test well	Guy Bingham	1936	39	3	0
e/30	1½ miles east	do.	do.	do.	1936	48	3	--
e/31	1 mile east	do.	do.	do.	1936	47½	3	--
e/32	1-1/4 mile east	do.	do.	do.	1936	40½	3	0
e/33	do.	do.	do.	H.E.Lane	--	30	4	0
34	¾ mile southeast	John May	J.E.Thornell	--	--	78	7	0
35	do.	do.	E. H. Harvey	--	--	88	4	0
36	do.	do.	Mrs. C. J. Clarke	Guy Bingham	1936	65	3	0
e/37	do.	do.	W.P.A. test well	do.	1936	53	3	--
38	1½ miles southeast	do.	W.A. Kuehn	J.Puitc	--	118	6	0
39	2 miles southeast	do.	Mrs. G.C. Jones	--	--	160	8	0
40	do.	do.	-- Landry	--	--	40	36	0
41	do.	do.	Mrs. A.J. Brown	-- Roth	--	80	--	--
42	do.	J. T. May	S.A.Carnes	--	--	85	8	0
e/42a	do.	do.	do.	--	--	141	8	--

a/ measuring point is the point from which water level measurement was made and was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; CF, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Lavaca County--Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measuring point (feet)	Date of measurement.			
22	-55	d/	C,W	D,S	
23	-58	d/	C,T	D,S	
24	--	--	None	N	
25	-24	d/	B,H	D,S,I	Dug well with brick curbing.
26	--	--	None	N	
27	-7	Feb. 19, 1936	None	N	
28	-60	d/	C,W	D,S	
29	-56	Apr. 17, 1936	None	N	
30	--	--	None	N	
31	--	--	None	N	
32	-40	Jan. 8, 1936	None	N	
33	-60	d/	C,W	D,S	
34	-56	d/	C,W	D,S	Located on hill. Tile casing.
35	-27	d/	C,H	D,S	Located on hill.
36	-27	Jan. 15, 1936	None	N	The water rose 6 $\frac{1}{2}$ feet in 30 minutes.
37	--	--	None	N	
38	-78	d/	C,W	D,S	Water from sand at 115-118 feet.
39	-60	d/	C,H	D,S	Salty water reported at shallower depths.
40	-17	d/	B,H	D	Dug well.
41	--	--	C,H	D,S	
42	-40	Feb. 8, 1936	C,W	S	
42	--	--	C,G,4	D,S	Strong water supply.

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

Records of wells in Lavaca County, Texas--Continued

No.	Distance from Yorkum	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
e/42b	2 miles southeast	J.T. May	S.A. Carnes	--	--	140	4	--
43	3 miles southeast	Patrick May	J. H. Swarik	M. Wenzel	1925	94	5	0
e/44	4 $\frac{1}{2}$ miles southeast	W. Alford	O. A. Fannan	Joe Riggs	1935	80	4 $\frac{1}{2}$	--
45	3 $\frac{1}{2}$ miles southeast	John Conrey	J. Nick Est.	--	1896	150	3	0
46	do.	do.	do.	--	--	105	4 $\frac{1}{2}$	0
47	5 miles southeast	do.	Will Hopkins	Will Hopkins	1921	35	5	0
48	4 $\frac{1}{2}$ miles southeast	do.	M.H. Quata	--	--	72	6	0
49	do.	do.	J.M. Wimberly	--	--	110	3	0
50	4 miles southeast	do.	W.F.A. test well	Guy Bingham	1936	48	3	0
51	do.	do.	Dan Tate	Tom Wilson	1910	139	3-1/4	0
52	4 $\frac{1}{2}$ miles southeast	do.	F. Quast	--	1910	135	4	0
53	5 $\frac{1}{2}$ miles east	do.	Vinc Kozisek	--	--	100±	3-1/4	0
54	5 miles east	do.	Mrs. -- Marion	--	1920	200	4	0
e/55	do.	John Douglas	W.F.A. test well	Guy Bingham	1936	52	3	--
56	do.	do.	Mrs. J. W. Williams	Jin Barr	1890	66	10	0
57	6 $\frac{1}{2}$ miles east	do.	Charlie Dymacek	--	--	70	10	0
58	7 miles east	do.	Ed. Koerber	--	--	50	8	0
59	do.	do.	J.L. Hermes	Riggs and Goode	--	78	6	0
60	do.	do.	Gerhart Michlofeld	--	--	50	6	0
e/61	8 miles east	William Hyn	A.T. Hermes	Cranfill-Reynolds	1931	4,540	12 $\frac{1}{2}$	--
62	do.	do.	do.	Will Riggs	1912	100	5	0
63	do.	John Douglas	Oscar Karney	--	--	65	8	0

a/ Measuring point is the point from which water level measurement was made and was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Lavaca County--Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measur- ing point (feet)	date of measure- ment.			
42b	--	--	C,W	D,S	
43	-49	d/	C,T	D,S,I	
44	--	--	None	N	Did not find sufficient water.
45	-30	d/	C,W	D,S	Well can be pumped dry by high wind for one day.
46	-45	d/	C,T	D,S,I	
47	-18	d/	B,H	D	Water found in caliche and clay from 18-35 feet.
48	-64	d/	C,H	D,S	
49	-100	d/	C,W	D,S	Can be pumped dry in 50 minutes.
50	-20	Feb. 24, 1936	None	N	
51	-70	d/	C,T	D,S	Weak water stratum at 90 feet.
52	-85	d/	C,T	D,S	
53	-80	d/	C,W	D,S	
54	-80	d/	C,H	S	
55	--	--	None	N	Dry hole.
56	-62	d/	C,W	D,S	Tile casing. Reported salty water at 36 feet.
57	-60	d/	C,W	D,S	Tile casing. Windmill can pump it dry.
58	-47	d/	C,H	D,S	
59	-50	d/	C,T	D,S	Reported weak water stratum at 51 feet.
60	-36	d/	C,H	D,S	
61	--	--	None	N	Abandoned oil test. See driller's log.
62	-91	d/	C,T	D,S	
63	-60	d/	C,W	D,S	Dug well with rock curbing.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Lavaca County, Texas--Continued

No.	Distance from Yoakum	Driller	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
	See map "A"							
64	7 1/2 miles east	John Douglas	Eureno Hoffer	--	--	55	10	0
65	9 miles east	William Ryan	J.L. Cordes	Luther Williams	1918	80	8	0.5
66	do.	E. O'Dougherty	A. Jalutka	--	--	30	10	0
67	8 miles east	do.	J.E. Reinusek	Tom Fitch	1921	109	4	0
68	9 miles east	J. Latscho	Frank Bohan	Joe Frazier	1951	105	4 1/2	1.2
69	9 miles southeast	do.	Francis L. Topok	H. Roth	1918	78	5	0
70	8 miles southeast	F. O'Dougherty	E. J. Roth	--	--	80	4	0
71	7 miles southeast	do.	Charlie Demoched	Otto Hermas	--	65	6	0
72	7 1/2 miles southeast	do.	Joc Smolkey	--	--	75	8	0
73	do.	do.	M.C. Jones	Jack Riggs	1915	80	8	0
74	5 miles southeast	Jose McGrabb	L.A. Holmes	Riggs and Wilson	1920	55	4	0
75	3 miles southeast	do.	T.P.A. test well	Guy Bingham	1936	23	3	0
76	5 miles southeast	James Saway	J.T. Kelly	--	1952	80	5-1/4	0
77	6 miles southeast	H. Valentine	T.P.A. test well	Guy Bingham	1936	33	3	0
78	6 1/2 miles southeast	F. Zarnow	T.P. Tucker	---	1910	65±	5	--
79	7 1/2 miles southeast	Jose McGrabb	Charlie Chovnetz	Joc Riggs	1954	38	6	--
80	do.	T.P. Fowle	J.F. Riggs	L.A. Groves	1896	79	10	0
81	8 miles southeast	do.	C.S. Riggs	C.S. Riggs	1898	80	7	0

a/ Measuring point is the point from which water level measurement was made and was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or boiler; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Lavaca County--Continued

No.	Water Level		Pump and kind and amount of power b/	Use of Water c/	Remarks
	Above + below - measur- ing point (feet)	Date of measur- ment.			
64	-29	<u>d/</u>	B,H	D,S	Tile casing.
65	-42	Feb.14, 1936	B,H	N	Tile casing. Sulphur odor reported.
66	-25	<u>d/</u>	B,H	D,S	
67	-69	<u>d/</u>	C,W	D,S	First water at 65 feet, second at 90 feet, both weak.
68	-82.6	Feb.14, 1936	B,H	D,S	First water at 30 feet, second at 80 feet, both insufficient. 105 foot stratum has good supply.
69	-58	<u>d/</u>	C,W	D,S	
70	-30	<u>d/</u>	C,W	D,S	
71	-50	<u>d/</u>	C,H	D,S	Sulphur taste reported.
72	-40	<u>d/</u>	C,W	D,S	
73	-20	<u>d/</u>	C,W	D,S	Tile casing. 18 and 32 foot strata give salty water.
74	-42	<u>d/</u>	C,W	D,S	
75	-18	Feb.26, 1936	None	N	
76	-60	<u>d/</u>	C,T	D,S	
77	-31	Mar.17, 1936	None	N	
78	--	--	C,H	D,S	
79	--	--	C,H	D,S	
80	-75	<u>d/</u>	C,W	D,S	Tile casing.
81	-70	<u>d/</u>	C,W	D,S	Tile casing.

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

Records of wells in Lavaca County, Texas --Continued

No.	Distance from Sliner See map "B"	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
101	12½ miles north	David Burkett	J. Rezek	--	--	90	36	2.3
102	12 miles north	do	F. Lukersky	--	--	51	36	0.5
103	11 miles north	do	Hugo Fisbeck	--	--	49	48	2.8
104	11½ miles north	--	Elsie Ware	--	--	15	--	0
105	8 miles north	William Strode	James Zidek	--	1895	35	36	1
106	9 miles north	do	J. F. Novosad	--	--	52	48	1.9
107	do	do	K.V. Durilek	--	--	30+	3	--
108	9½ miles north	Moulton	Moulton Water Works	--	Matula 1912	594	4½	--
109	10 miles north	do	William Hendricks	William Hendricks	1955	135	3½	0
110	9 miles north	do	John Jobb	--	--	65	--	--
e/111	do	William Chase	J.R. Matula	J.R. Matula	--	831	--	--
112	8 miles north	do	August Koehn	--	--	185	4	0
113	7 miles north	John A. Henser	I. Simper	--	1910	60	4	0
114	5½ miles north	A. Ponton	J. Culak	--	--	42	36	1
e/115	4 miles north	A. W. Harrell	M.J. Mikes	M. J. Mikes	--	55	--	--
116	3 miles north	do	Adam Stoch	--	1895	43	42	0
117	5 miles north	James Kent	J. Kurtz	--	1934	1330	8	0
118	6 miles northeast	Charles Henry	John Schutz	--	--	43	36	1.1
119	do	do	Joe Selzer	--	--	145	42	0
120	do	do	Frank Wendel	Alfred Gierstner	1922	301	3½	0
121	do	do	Frank Stasney	- Matula	1924	88	5½	0
122	9 miles northeast	William Taylor	Swartz & Paulus	--	--	35	36	0

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, stem; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Lavaca County--Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measuring point (feet)	Date of measurement.			
101	-71.2	Apr. 25, 1936	C,W	D,S	Dug well with rock curbing.
102	-45.0	do.	C,W	D,S,I	Do.
103	-41.9	do.	C,H	D	Do.
104	-7.2	do.	B,H	D,S	Dug well with no curb.
105	-19.2	do.	C,W	D,S	Dug well with rock curb.
105	-32	Apr. 24, 1936	C,W	D,S	Do.
107	--	--	C,W	D,S	--
108	--	--	A,E,10	P	Water strata reported at 275, 485 and 580 feet.
109	-6	d/	C,H	D	Also has 125 foot well and a 260 foot well.
110	--	--	C,H	D	
111	--	--	--	N	See Driller's log.
112	-50.1	Apr. 24, 1936	C,W	S	Sulphur water.
113	-40	d/	C,W	D,S	
114	-16.6	Apr. 24, 1936	C,W	D,S	Dug well with rock curbing.
115	--	--	C,W	D,S	
116	-22	Apr. 24, 1936	C,H	D,S	Dug well with rock curbing.
d/117	-60	d/	T,E,40	Ind	Well formerly flowed with gas pressure.
118	-16	Apr. 30, 1936	C,W	D,S	Dug well with brick curbing.
119	-31.7	do	C,W	D,S	Dug 38 feet and has rock curbing, drilled 145 feet with 4 inch iron casing. (both waters being used.)
120	-62	d/	C,W	D,S	
121	-60	d/	C,H	D,S	
122	-29.5	Apr. 30, 1936	B,H	D,S	Dug well with rock curbing.

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

Records of wells in Lavaca County--Continued

No.	Distance from Shiner	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
123	8 miles northeast	J. H. Callahan	Joe Sustr	--	--	32	30	2.9
124	9 miles northeast	Edwin Richeson	Ernest Roeber	--	--	41	40	3.1
125	8 miles northeast	do.	E. E. Hildebrandt	--	--	300	4	0
126	7½ miles northeast	do.	Louis Kneifel	--	--	25	36	0
127	9 miles east	Henry Vollentine	Mrs. Minna Riske	--	--	26	42	0
128	8 miles east	James Brown	Adolph Svetlik	--	--	75	3	0
129	6½ miles east	Moses Mitchell	L. J. Rustka	--	--	102	36	2
130	do.	do.	Rudolph Janak	--	--	35	36	2.8
e/131	5½ miles east	do.	F. T. Fehrenkamp	L. A. Douglas	1935	2,851	10	--
132	5 miles east	do.	Charlottenburg School	--	1905	45	40	0
133	6 miles northeast	do.	Peter Derrick	*Wonnery	1920	27	36	2.7
134	4½ miles northeast	Abercramby & Sowell	Mrs. Alma Wehman	--	--	162	3	0
e/135	4 miles northeast	John N. Sowell	W. P. A. test well	Guy Bingham	--	24½	3	--
136	3½ miles northeast	A. Smothers	Ben E. Eggert	--	--	50	4	0
137	4 miles east	Anthony Brown	Louie Roeder	--	--	25	36	0
138	4½ miles east	do.	Frank Strakas	--	--	46	40	0
139	2 miles northeast	Nathan Nixon	August Hirsch	--	--	90	3	0
140	1½ miles east	do.	W. M. Drabek	--	--	32	42	3
141	In Shiner	E. R. Yollett	August Mladenka	--	--	29	32	2.6
142	do.	Shiner	Spoetzel Brewery	--	1908	90	3	--
143	do.	do.	City of Shiner	Layne Texas	1925	211	---	--
e/143a	do.	do.	do.	---	--	100	---	--
143b	do.	do.	do.	---	---	100	4	2

a/ Measuring point was usually top of casing, top of pump base, top of curb or of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Lavaca County --Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below-measuring point (feet)	Date of measurement.			
123	-18.2	Apr. 30, 1936	B, H	D, S	Dug well with brick curbing.
124	-31.9	do	C, W	D, S	Dug well with brick curbing.
125	-110	d/	C, Stn	S, Ind	Supplies cotton gin.
126	-21.5	d/	B, H	D	Dug well with brick curbing.
127	-17.2	May 2, 1936	B, H	D, S	Dug well with rock curbing.
128	-50	d/	C, W	D, S	
129	-47.3	Apr. 27, 1936	C, W	D, S	Dug well to 55 feet with brick curbing, drilled to 102 feet with 4 inch casing.
130	-32.8	do	C, W	D, S	Dug well with concrete curbing.
131	--	--	--	N	See Driller's log.
132	-35	d/	C, W	D	Dug well with rock curbing.
133	-24	Apr. 27, 1936	B, H	D, S	Dug well with brick curbing.
134	-142	d/	C, W	D, S	
135	--	--	None	N	Well was not completed.
136	-50	d/	C, W	D, S	
137	-19	Apr. 27, 1936	C, W	D, S	Dug well with rock curbing.
138	-41.6	do	C, W	D, S	Do.
139	-60	e/	C, W	D, S	
140	-23.8	Apr. 27, 1936	C, W	D, S	Dug well with brick curbing.
141	-22.2	do	C, w	D, S	Dug well.
142	--	--	C, Stn	Ind	Furnishes water for brewery.
143	--	--	T. E. 40	P	Furnishes water for power plant City of Shiner.
143a	--	--	None	N	Former city supply. Not in use at present.
143b	-11.5	Apr. 21, 1936	A	P	Water level measured while No. 1 was pumped.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Lavaca County--Continued

No.	Distance from Shiner	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft)
e/143c	In Shiner	Shiner	City of Shiner	--	--	100	4	--
143d	do.	do.	Purity Creamery	-Griepfner	1933	195	4	1
144	do.	do.	City of Shiner	- Bost	1934	196	12	0
145	1 mile northwest	Jas. Bates	W.P.A. test well	Guy Bingham	1936	15 $\frac{1}{2}$	3	0
146	1 $\frac{1}{2}$ miles northwest	E. Bellinger	Frank Kloesel Jr.	--	1925	22	108	0
147	3 miles southwest	Lavaca Co. Schools	Jim Lahodny	Willie Broth	--	233	3 $\frac{1}{2}$	--
148	5 miles southwest	do.	W.M. Indorf	--	--	97	48	3
149	4 miles southwest	do.	Louis Blume	--	--	90	4	0
150	5 $\frac{1}{2}$ miles south	P. Soy	Jose F. Adamek	--	1918	151	3	0
151	do.	A. Douglas	Mat Hrmcir	--	--	36	48	0
152	4 $\frac{1}{2}$ miles south	J.B. Johnson	Frank Klecka	--	--	142	5	0
e/153	do.	S. Harrelson	Lula Thompson	--	--	35	8	1.6
153a	do.	do.	do.	--	--	25	10	0
e/154	do.	A. Douglas	W.P.A. test well	Guy Bingham	1936	14	3	0
e/155	do.	S. Harrelson	do.	do.	1936	22	3	--
156	5 miles south	Eliza Tribble	Joseph Harabie	--	--	75	4	0
157	3 $\frac{1}{2}$ miles south	S. Harrelson	Frank Neuhans	--	--	15	32	0
e/158	do.	do.	W.P.A. test well	Guy Bingham	1936	17 $\frac{1}{2}$	3	--
159	2 $\frac{1}{2}$ miles south	N. Brod	J. Kloesel Sr.	-Harvey	--	60	36	0
160	8 miles south	William L. Reed	J. Blenor	--	1916	110	3	0
e/161	8 $\frac{1}{2}$ miles south	do.	W.P.A. test well	Guy Bingham	1936	43 $\frac{1}{2}$	3	--
e/162	8 miles south	Patrick Ryan	do.	do.	1935	24	3	0
e/163	7 $\frac{1}{2}$ miles south	do.	do.	do.	1935	20	3	--

a/ Measuring point was usually top of casing, top of pump base, top of crab or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm., steam, G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Lavaca County --Continued

No.	Water Level		Date of measure- ment	Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measur- ing point (feet)					
143c	--		Apr. 21, 1936	A	P	
143d	+4		d/	Cf, E, 3/4	Ind.	Furnishes water for Creamery.
144	-6		d/	T.E. 35	P	Sulphur water reported.
145	-7		Apr. 24, 1936	None	N	
146	-9.8		Apr. 22, 1936	T, G, 20	D, S	Dug well with concrete curbing. Drawdown reported as 9 feet after pumping 200 gallons a minute for 4 hours.
147	--		--	C, W	D, S	Reported that 70-125 foot stratum did not have sufficient water.
148	-30.3		Apr. 29, 1936	B, H	D, S	Dug well with brick curbing.
149	-75		d/	C, W	D, S	
150	-101		d/	C, W	D, S	
151	-17.3		Apr. 21, 1936	C, W	D, S	Dug well with brick curbing.
152	-75		d/	C, W	D, S	Reported weak water stratum at 40 feet.
153	-12		Apr. 21, 1936	B, H	D, S	Tile casing.
153a	-15		d/	B, H	S	Salty water reported.
154	-5½		Jan. 2, 1936	None	N	
155	--		--	None	N	
156	-50		d/	C, W	D, S	
157	-7.7		May 7, 1936	B, H	D, S	Dug well with brick curbing.
158	--		--	None	N	
159	-50		d/	C, W	D, S	Dug well with rock curbing.
160	-102		d/	C, W	D.	Seep water reported at 68 feet.
161	--		--	None	N	No water.
162	-7½		Dec. 30, 1935	None	N	
163	--		--	None	N	

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

d/ Water level reported and no date given.

/ No water sample collected for analysis.

Records of wells in Lavaca County, Texas--Continued

No.	Distance from Shiner	Suvery	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
164	5 $\frac{1}{2}$ miles south	Eliza Tribble	John Rudruck	--	--	45	38	0
165	4 miles southeast	C. Coleman	J. D. McMurry	--	--	28	3	0
166	4 $\frac{1}{2}$ miles southeast	Eliza Tribble	Frank Gallia	--	--	38	42	2
167	3 $\frac{1}{2}$ miles southeast	Zackeriah Davis	Tom Dolezal	Tom Dolezal	--	60	4	0
168	6 $\frac{1}{2}$ miles east	Alex Porter	Jim Pekar	John Simicek	1924	70	3 $\frac{1}{2}$	0
169	do.	Anthony Brown	A. J. Yallus	--	1890	62	32	--
170	8 miles east	Francis Smith	Victoria Brosch	Adolph Tim	--	35	3	0
171	9 miles east	do.	Joe Klekary	--	--	63	48	2.3
172	10 $\frac{1}{2}$ miles east	John Smenthers	Joe Baska	--	--	33	32	0
173	9 miles east	Francis Smith	F. Konvicka	--	--	41	28	2.4
e/174	do.	do.	W.P.A. test well	Guy Bingham	1936	21 $\frac{1}{2}$	3	--
175	8 $\frac{1}{2}$ miles east	James Kerr	do.	do.	1936	31 $\frac{1}{2}$	3	0
176	10 $\frac{1}{2}$ miles southeast	do.	J.W. Lell	--	--	50	36	0
177	11 miles southeast	do.	J. Miculek	--	--	56	42	0
178	12 miles east	do.	Ora Willis	--	--	55	48	0
179	12 miles east	Darnard Brown	Mrs. Adolph Miller	--	--	18	36	0
180	do.	do.	Eddie Neuhaus	--	--	25	42	0

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E., electric; Stm. steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Lavaca County --Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measur- ing point (feet)	Date of measure- ment			
164	-24	May 7, 1936	C,W	D,S	Dug well with brick curbing.
165	-26	<u>d/</u>	C,H	D,S	
166	-24	May 7, 1936	C,H	D,S	Dug well with rock curbing.
167	-45	<u>d/</u>	C,H	D,S	
168	-18	<u>d/</u>	C,W	D,S	
169	-50.3	May 7, 1936	C,W	D,S	Dug well with rock curbing.
170	-30	<u>d/</u>	C,H	D	
171	- 49.6	May 8, 1936	C,W	D,S	Dug well with rock curbing.
172	-27.7	do	B,H	D,S	Dug well with brick curbing.
173	-31.3	do	C,W	D,S	Dug well with concrete curbing.
174	--	--	None	N	
175	-21	Mar.19, 1936	None	N	
176	-51	<u>d/</u>	C,W	D,S	Dug well with rock curbing.
177	-50	<u>d/</u>	B,H	D,S	Do.
178	-43	<u>d/</u>	C,W	D,S	Do.
179	-14	Feb.25, 1936	B,H	D,S	Do.
180	-21	do	C,W	D,S	Dug well with brick curbing.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Lavaca County, Texas--Continued

No.	Distance from Hallettsville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
201	19 miles northwest	David Burkett	F. Micuka	--	--	Spring	--	--
e/202	13½ miles northwest	do.	R. Filep	--	--	42	4	0
203	13 miles northwest	Z. S. Brooks	W.P.A. test well	Guy Bingham	1936	7	3	0
204	do.	J. S. Wilder	E.D. Boehm	--	--	28	3	2.7
205	16½ miles northwest	Mary Lewis	R.J.C. Vogt	Rudolph Vogt	--	41	32	3
206	14½ miles northwest	Williamson Daniels	John Havel	--	--	165	24	0
207	15 miles northwest	Mary Lewis	Ewald Berckenhoff	--	--	29	33	0
208	do.	John A. Fox	Novahrad School	--	--	23	41	2.6
209	13½ miles northwest	do.	A. Sima	--	--	33	24	2.3
e/210	12 miles northwest	Williamson Daniels	Emil Vogt	--	--	90	4	0
211	12½ miles northwest	John C. Neil	L. W. Tkac	--	--	35	48	0
212	12 miles northwest	do.	Mary Klatuch	--	--	66	36	0
213	13½ miles north	G. F. Richardson	Ferd. Miculka	--	--	64	30	2.6
214	14½ miles north	Jermiah Brown	John Kutac	--	--	46	4	0
215	do.	do.	J. M. Smaraek	--	--	65	4	0
216	13½ miles north	W. R. Hensley	Joe Gassman	--	--	58	4	0
Y 217	12 miles north	Jermiah Brown	Frank Hrncir	Jim Shore	--	80	6	0
218	do.	do.	Joe Vanek	--	--	30	42	0
219	do.	W. M. Carothers	A. Drozd	--	--	30	42	0
220	10½ miles north	G. W. Lyons	John Pernik	--	--	20	48	0
221	10 miles northwest	Thorns A. Chadoin	S. Westphal	--	--	70	42	0
222	11 miles northwest	do.	W.H. Henrich	--	--	230	4	0
223	10 miles northwest	Williamson Daniels	F. J. Buzek	--	--	111	3½	0
224	9 miles northwest	Edwin Richason	Frank Kolas	Frank Kolas	--	40	42	0

a/ Measuring point usually was top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Lavaca County --Continued

No.	Water Level		Pump and kind and amount of power ^d /	Use of water c/	Remarks
	Above + below - measur- ing point (feet)	Date of measure- ment			
201	--	--	None	S	Spring with small yield.
202	-21	<u>d</u> /	C,W	D,S	
205	- 3	May 12, 1936	None	N	
204	-9.5	do	B,H	D,S	Dug well with concrete curbing.
205	-30.2	Apr. 30, 1936	C,I	D,S	Dug well with brick curbing.
206	-39.4	do	C,W	D,S	Dug well with rock curbing to 63 feet and drilled to 165 feet with 4 inch casing.
207	-19.7	May 12, 1936	B,H	D,S	Dug well with rock curbing.
208	-10.4	do	B,H	D,S	
209	-8.4	do	B,H	D,S	Dug well with concrete curbing.
210	-65	<u>d</u> /	C,W	D,S	
211	-28	<u>d</u> /	C,I	D,S	Dug well with rock curbing.
212	-45	May 12, 1936	C,H	D	Do.
213	-54	do	C,W	D,S	Do.
214	-34	<u>d</u> /	C,H	D,S	
215	-11	<u>d</u> /	C,G	D,S	
216	--	--	C,W	D,S	
217	-60	<u>d</u> /	C,G,1 ^e	D,S	
218	-25	<u>d</u> /	C,W	D,S	Dug well with rock curbing.
219	-25	<u>d</u> /	C,W	D,S	Do.
220	-10	<u>d</u> /	C,W	D,S	Do.
221	-48	<u>d</u> /	B,H	D,S	Do.
222	-130	<u>d</u> /	C,H	D,S	
223	-27	<u>d</u> /	C,W	D,S	
224	-38.7	Apr. 30, 1936	C,I	D,S	Dug well with brick curbing.

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

Records of wells in Lavaca County, Texas--Continued

No.	Distance from Hallettsville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
225	6 $\frac{1}{2}$ miles northeast	Henry Vallentine	John Miculenska	--	--	41	30	0
226	7 $\frac{1}{2}$ miles north	J. Lyons	Rudolph Drozd	--	--	29	45	2.6
227	9 miles north	do.	Ignacio Horecka	--	--	18	30	0
228	8 $\frac{1}{2}$ miles north	Sanil G. Hank	W. Pohl	--	--	30	4	0
229	9 $\frac{1}{2}$ miles north	do.	F. Blahuta	--	--	80	5	0
230	10 miles north	do.	Joe Rektorik	Joe Christon	1935	32	42	0
231	11 miles north	W. R. Hensley	Adolph Berger	--	--	85	6	0
232	12 miles north	do.	J. A. Pargac	--	--	30	66	0
233	11 $\frac{1}{2}$ miles north	do.	J. M. Hrneir	--	--	30	48	0
234	do.	do.	W.P.A. test well	Guy Bingham	1936	36	3	0
e/235	12 miles north	do.	Ed Hughes	Charles Slotmann	--	120	3 $\frac{1}{2}$	0
236	13 miles northeast	M. Standofur	W. H. Morrow Est.	--	--	Spring	--	--
237	do.	do.	do.	--	--	41	49	0
238	13 $\frac{1}{2}$ miles northeast	do.	R. F. Waldhauser	--	--	73	27	2.6
239	11 miles northeast	G.W. & W.H. Scott	Charles Hughes	Rubon Johnston	1934	100	4	0
239a	do.	do.	do.	Charles Hughes	1924	36	36	0
240	11 $\frac{1}{2}$ miles northeast	do.	J. I. Muhlstein	--	--	60	36	0
241	do.	do.	do.	Joe Adnors	--	160	4	0
242	do.	Sam L. Fuller	E. Columbus	Dan Williams	--	36	20	0
243	10 miles northeast	do.	Albert Langerbery	--	--	36	37	0
244	9 miles northeast	do.	R. A. Spics	--	--	56	26	0
245	8 $\frac{1}{2}$ miles northeast	New Kinkler	Adolph Fortsch	--	--	33	36	2.4
245a	do.	R. J. Woodward	W.P.A. test well	Guy Bingham	--	21 $\frac{1}{2}$	3	0

a/ Measuring point was usually top of casing, top of pump base, top of curb or of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Lavaca County --Continued

No.	Water Level		Pump and kind and amount of power <u>d/</u>	Use of water <u>e/</u>	Remarks
	Above + below measuring point (Feet)	Date of measurement			
225	-36	May 8, 1936	C,W	D,S	Dug well with rock curbing.
226	-25	do	B,H	D	Do.
227	-12.6	do	B,H	D,S	Dug well with brick curbing.
228	-20	<u>d/</u>	C,W	D,S	
229	-30	<u>d/</u>	C,W	D,S	
230	-24	<u>d/</u>	C,W	D,S	Dug well with concrete curbing.
231	-60	<u>d/</u>	C,W	D,S	
232	-22	<u>d/</u>	C,G	D,S	Dug well with rock curbing.
233	-25	<u>d/</u>	C,W	D,S	Do.
234	-26	Mar. 22, 1936	None	N	
235	-105	<u>d/</u>	C,G	D,S	Reported small supply at 40 feet. Water in sandrock from 117-120 feet.
236	--	--	--	D,S	Spring with 6 openings with total flow estimated at 3 gallons a minute.
237	-34.2	May 1, 1936	C,W	D,S	Dug well with rock curbing.
238	-38.4	do	B,H	D,S	Do.
239	-30	<u>d/</u>	C,W	D,S	Water in rock and sand from 82-100 feet.
239	-14.8	May 1, 1936	B,H	N	Dug well not in use at present. Well 239 is in bottom of this well.
240	-52.7	do	B,H	S	Dug well with rock curbing.
241	-120	<u>d/</u>	C,W	D,S	First water reported at 100 feet, weak supply.
242	-32.8	May 1, 1936	B,H	D,S	Dug well with rock curbing.
243	-31.3	do	B,H	D,S	Do.
244	-27.5	do	C,W	D,S	Do.
245	-24.6	do	B,H	D,S	Dug well with concrete curbing.
245	-17.5	do	None	N	

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Lavaca County, Texas --Continued

No.	Distance from Hallettsville See Map WCU	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
246	6 miles north	W. Ponton	Mrs. A Stanzel	--	--	75	54	0
247	4 miles north	James Campbell	Eludau Est.	--	--	27	42	0
248	4½ miles northwest	James Campbell	Mrs. B Claus	--	--	29	30	0
249	2½ miles west	Barnard Brown	O.L. Menking	--	--	20	48	0
250	1 mile north	L.J. Presnal	Joe Pohl	--	--	35	36	0
251	2 miles southwest	Barnard Brown	Louis Gerlich	Otto Orsack	1931	40	48	0
252	1½ miles southwest	do	W.F.A. test well	Guy Bingham	1936	26	3	0
253	¾ mile south	W. Smithers	Dan Turner	--	--	25	14	0
254	1 mile southeast	John Hallett	L.C. Menking	--	--	30	42	0
255	In Hallettsville	Hallettsville	City of Hallettsville	--	1920	329	6	0
255 ^a	do	do	do	--	--	400	3	0
255 ^b	do	do	do	--	--	412	4½	0
256	do	do	do	--	--	1300	6	0
257	¾ miles east	John Hallett	A.V.C. Moore	A.V.C. Moore	1927	589	6	0
^{a/} 258	2½ miles northeast	L.J. Presnal	W.P.A. test well	Guy Bingham	1936	33	3	--
259	4 miles northeast	James Campbell	Frank Drost Est.	--	1936	44	36	0
260	5 miles northeast	E. Loving	M. Fahrenthold	--	--	39	30	2.6
261	6 miles northeast	John Morris	G. Gunnott	--	1936	73	4	--
262	6½ miles northeast	S.T. Foley	George Stratman	--	--	79	36	0
263	7½ miles northeast	M.B. Foley	E. Raab	- Tlms	--	50	3	--
264	8½ miles northeast	John Morris	Frank Vojtek	--	1936	25	43	0
265	10 miles northeast	M. Muldon	F. Sheffer	--	1919	50	6	0
266	9½ miles northeast	M.D. Ransoy	M.G. Greshaw	--	--	16	30	0

^{a/} Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

^{b/} T., turbine; Stn, steam; G, gasoline engine or tractor; W, windmill; H, hand. Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric.

Records of wells in Lavaca County --Continued

No.	Water Level		Pump and kind and amount of power ^{1/}	Use of water <u>c/</u>	Remarks
	Above + below - measur- ing point (feet)	Date of measur- ment			
245	-60	May 1, 1936	C, I	D, S	Dug well with rock curbing.
247	-20	<u>1/</u>	C, G 1½	D, S	Do.
248	-24.7	May 8, 1936	B, H	D, S	Dug well with brick curbing.
249	-16.3	do	B, H	D, S	Dug well with rock curbing.
250	-31	<u>1/</u>	B, H	D, S	Dug well with brick curbing.
251	-33	<u>1/</u>	C, W	D, S	Do.
252	-16	Feb. 2, 1936	None	N	
253	-22	<u>1/</u>	B, H	D, S	Tile casing.
254	-25	<u>1/</u>	B, H	D, S	Dug well with brick curbing.
255	+ 2	<u>1/</u>	A, E, 20	P	Well No.1. City supply with about 400 consumers. Well No.2. One 20 horsepower electric motor and air compressor for wells 1, 2, and 3. Well No.3. Well No.4. Estimated 300,000 gallons a day, total used. Sulphur and gas from well No.4.
255a	+ 4	<u>1/</u>	A, E, 20	P	
255b	+ 4	<u>1/</u>	A, E, 20	P	
256	+10	<u>1/</u>	Flows	P	
257	+24	<u>1/</u>	do	P	Water used for swimming pool. Sulphur water reported.
258	--	--	None	N	
259	-36.5	<u>1/</u>	C, F	D, S	Dug well with brick curbing.
260	-31	May 14, 1936	C, W	D, S	Dug well with rock curbing.
261	--	--	C, W	D, S	
262	-73	May 14, 1936	C, W	D, S	Dug well with rock curbing.
263	--	--	C, H	D, S	
264	-20.6	<u>1/</u>	B, H	D, S	Dug well with brick curbing.
265	-45	<u>1/</u>	C, H	D, S	Tile casing.
266	-14	<u>1/</u>	B, H	D, S	Dug well with brick curbing.

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

Records of wells in Lavaca County --Continued

No.	Distance from Hallettsville See map "C"	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diam-eter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
e/267	10 miles northeast	S.H. Jack	C.F. Laas	Lavaca Oil Co.	--	1,133	--	--
268	11½ miles northeast	A.W. Breedlove	Mrs. R. Dusek	--	--	64	39	0
269	12½ miles northeast	do	C.W. Bruzer	--	--	50	36	2.3
270	do	M.D. Ramsey	J.IMATEK	--	--	126	4	0

No.	Distance from Vienna See map "D"	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diam-eter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
e/301	9½ miles west	John M. Ashby	W.P.A. test well	Guy Bingham	1936	29	3	--
302	9 miles west	do	Mrs. J.A. Young	--	--	150	48	0
303	do	John Morris	County Farm	--	--	25	48	0
304	8 miles northwest	W. Smithers	Frank Grafe	--	--	35	54	0
305	do	W.S. Fisher	H.G. Tin	--	--	30	8	0
306	do	J.R. Foley	Mrs. Mary Grahnann	--	--	60	3	0
307	7½ miles west	A. Sherril	Willie Balzer	--	--	45	48	0
308	5 miles west	R. Currings	J. Pustejevsky	Delph Tim	1925	217	4	0
309	5½ miles west	A. Sherril	John Drozd	--	1925	113	4	0
e/310	3½ miles northwest	do	W.P.A. test well	Guy Bingham	1936	30½	3	--
e/311	4 miles northwest	John Cheney	do.	do	1936	14	3	--
312	6 miles northwest	A. Zurwalt	J. Shindler	--	--	37	36	0
313	5½ miles northwest	J. Penton	Anton Honneke	--	--	80	4	0
314	3½ miles north	do	B. Reinstein	--	--	96		0
315	do	T. Miller	J.P. Parks	J.P. Parks	1912	47	6	0
316	5 miles north	I.C. Hoskins	C.J. Fernh	John Deffner	1913	97	3	0

^{a/} Measuring point was usually top of casing; top of pump base, top of curb or top of water pipe clamp.

^{b/} T., turbine; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand. Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric.

Records of wells in Lavaca County --Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measur- ing point (feet)	Date of measur- ment			
267	--	--	--	--	See Driller's log.
268	-49	<u>d/</u>	C,W	D,S	Dug well with rock curbing.
269	-44	May 14, 1936	C,W	D,S	Do.
270	-104	<u>d/</u>	C,H	D,S	

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measur- ing point (feet)	Date of measur- ment			
301	--	--	N		
302	-145	<u>d/</u>	B,H	D,S	Dug well with rock curbing.
303	-22	<u>d/</u>	B,H	D,S	Dug well with tin curbing.
304	-22	<u>d/</u>	C,H	D,S	Dug well with cement curbing.
305	-25	<u>d/</u>	B,H	D,S	Bored well, tile casing.
306	-40	<u>d/</u>	C,H	D,S	
307	-30	<u>d/</u>	C,W	D,S	Dug well with sandstone curbing.
308	-103	<u>d/</u>	C,W	D,S	4 inch casing to 117 feet and 2 inch to bottom.
309	-67	<u>d/</u>	C,W	D,S	Reported seep at 75 feet.
310	--	--	None	N	Not completed.
311	--	--	do	do	Do.
312	-84	<u>d/</u>	C,W	D,S	Dug well with rock curbing.
313	-50	<u>d/</u>	C,W	D,S	
314	-76 $\frac{1}{2}$	<u>d/</u>	B,H	D,S	
315	-14	<u>d/</u>	B,E	D,S	Bored well with tile casing.
316	-50	<u>d/</u>	C,W	D,S	

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

Records of wells in Lavaca County, Texas --Continued

No.	Distance from Vienna See map "D"	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
317	5 miles north	J. Penton	Jaric Juld	Adolph Tim	--	38	12	0
318	6 miles north	John Morris	O.J. Weytek	--	1913	40	8	0
319	do	do	W.P.A. test well	Guy Bingham	1936	30 $\frac{1}{2}$	3	0
320	do	I.C. Hoskins	H.B. Botard	--	--	22	30	0
321	7 miles north	C.H. Coulter	V.B. Gerdes Gin	--	1912	211	3	0
322	do	do	W.M. Weytek	--	1912	201	3	0
323	do	W.B. Perry	August Meyer	--	--	30	6	0
b/324	do	do	W.P.A. test well	Guy Bingham	1936	35 $\frac{1}{2}$	3	0
325	4 $\frac{1}{2}$ miles north	F.W. Fuchs	Dan Underwood	--	--	120	8	0
326	9 miles north	M. Muldoon	L.A. Sonntag	--	--	75	33	2.8
327	do	do	Val Schoot	--	1906	97	30	0
328	10 miles north	do	Ernest Tesch	--	1906	130	3	0
329	7 $\frac{1}{2}$ miles north	H.T.&B.R.R. Co.	Annie Sonntag	Adolph Tim	1898	110	5	0
e/330	5 $\frac{1}{2}$ miles northeast	F.C. Sarrell	J.W.C. Kelly	John Levika	1931	235	3	0
331	2 $\frac{1}{2}$ miles north	S. Brewton	H. Herring	J.D. Foley	--	30	36	0
332	In Vienna	W. Cummings	W.P.A. test well	Guy Bingham	1936	34 $\frac{1}{2}$	3	0
333	do	A. Monroe	Sam Kelly	J.D. Foley	--	20	42	0
334	do	W. Cummings	Otto Pohl	Adolph Tim	--	30	4	0
336	1 $\frac{1}{2}$ miles southeast	P. Bradley	H. McCrumb	--	--	52	4	--
337	1 $\frac{1}{2}$ miles south	do	Ernest Pohl	Adolph Tim	--	47	8	0
338	5 miles west	H. Wooten	L. Matula	--	--	40	36	0
339	3 $\frac{1}{2}$ miles southwest	F. Pohl	Albert Pohl	Tom Wilson	1900	30	4	0
340	4 $\frac{1}{2}$ miles southeast	M. Steels	Howell Miller	--	--	32	8	0

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Str., steam, G, gasoline engine or tractor; W, windmill, H, hand. Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric.

Records of wells in Lavaca County --Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Abv. or + below - measur- ing point (feet)	Date of measure- ment			
317	-20	<u>a/</u>	B,H	D,S	
318	-30	<u>a/</u>	C,W	D,S	Drilled well, tile casing.
319	-22	Mar. 26, 1936	None	N	
320	-15	<u>a/</u>	B,H	D,S	Dug well with rock curbing.
321	-40	<u>a/</u>	C,W	In ³	Reported sulphur water at 55 feet.
322	-37	<u>a/</u>	B,H	D,S	Water from hard blue rock at 183-201 feet.
323	-55	<u>a/</u>	B,H	D,S	
324	-35.5	Mar. 6, 1936	None	N	No sample obtained.
325	-65	May 6, 1936	B,H	D,S	Bored well with tile casing.
326	-72.3	do	B,H	D,S	Dug well with rock curbing.
327	-71.9	do	B,H	N	Water unfit for use.
328	-50	<u>a/</u>	C,W	D,S	First water at 35 feet, second at 135, third at 150-190 feet.
329	-105	<u>a/</u>	C,W	D,S	
330	-70	<u>a/</u>	C,W	S	First water at 70 feet, second at 100, and third at 203-235 feet in sand rock.
331	-27 $\frac{1}{2}$	<u>a/</u>	B,H	D,S	Dug well with brick curbing.
332	-30	May 4, 1936	None	N	
333	-14	<u>a/</u>	B,H	D,S	Dug well with wood curbing.
334	-30	<u>a/</u>	C,H	D	First water in quicksand at 20 feet.
335	--	--	C,H	D,S	
337	-43	<u>a/</u>	B,H	D,S	Bored well with tile casing.
338	-38	<u>a/</u>	C,H	D,S	Dug well with brick curbing.
339	-50	<u>a/</u>	C,W	D,S	First water at 60 feet.
340	-30	May 4,	B,H	D	Bored well with tile casing.

c/ I, irrigation; Ind, industrial; P, public; D, domestic; S, stock; N, not used.
a/ Water level reported and no date given.
b/ No water sample collected for analysis.

Records of wells in Lavaca County, Texas --Continued

No.	Distance from Vienna See map "D"	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
341	5 $\frac{1}{2}$ miles southeast	J.C. Patterson	D.T. Roddy	--	--	36	8	1.9
342	6 miles southeast	F. Simpson	F.W. Neuhaus	--	--	60	3	0
343	8 miles southeast	A. Monroe	J.M. Smith	J.M. Smith	1929	33	4	0
344	8 $\frac{1}{2}$ miles southeast	G.W. Edwards	G.K. Crabb, Sr.	- Lapham	1910	41	5	0
345	10 $\frac{1}{2}$ miles southeast	W.P. Stapp	J.W. Koonce	Rube Johnston	1929	73	4	0
346	11 $\frac{1}{2}$ miles southeast	Arch S. White	H.M. Crabb	--	--	38	3	0
e/347	11 miles southeast	E.W. King	W.P.A. test well	Guy Bingham	1936	25	3	--
348	12 miles southeast	H.T. & B.R.R. Co.	T.B. Coleman	H. Spaulding	1913	43	--	0
349	12 miles southeast	do	Mrs. Rose McFadden	- Rose	--	84	3	0
350	do	E.W. King	F.W. Thomas	- Swan	1910	55	4	0
351	11 miles southeast	J. Merecka	Gus Mereckko	- Wilson	--	102	4	0
352	12 miles southeast	S.A. & M.C.R.R. Co.	Sam Allen	--	1906	90	5	0

No.	Distance from Ezzell See map "E"	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
401	9 $\frac{1}{2}$ miles northwest	Joseph Hall	J.J. Lee	J.J. Lee	1908	40	36	0
402	8 $\frac{1}{2}$ miles northwest	do	W.P.A. test well	Guy Bingham	1936	40	3	0
403	do	do	H. Lenzy	--	--	76	5	0
404	8 miles northwest	David Ives	Sam Butler Est.	--	--	60	5	0
405	7 $\frac{1}{2}$ miles northwest	do	J.M. Kupka	--	1916	150	4	0
406	9 miles northwest	Joseph Hall	A. Jaresh	--	--	75	66	0
407	do	Mathew Caldwell	John Bujnoch	--	--	50	36	0

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand. Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric.

Records of wells in Lavaca County --Continued

No.	Water Level		Pump and kind and amount of power d/	Use of water c/	Remarks
	Above + below-measuring point (feet)	Date of measurement			
341	-29	May 4, 1936	B,H	D,S	Bored well with tile casing.
342	-20	d/	C,H	D,S	First water at 40 feet.
343	-27	d/	C,H	D,S	Water in white sand at 21-33 feet.
344	-33	d/	C,H	D,S	
345	-43	d/	C,W	D,S	Water in coarse gravel at bottom.
346	-31	May 4, 1936	C,W	D,S	
347	--	--	None	N	No water.
348	-41	d/	C,W	D,S	
349	-44	d/	C,H	D,S	First water at 40 feet.
350	-43	d/	C,H	D	
351	-27	d/	C,H	D,S	Reported first water at 40 feet and second at 60 feet.
352	-40	d/	C,H	D,S	

No.	Water Level		Pump and kind and amount of power d/	Use of water c/	Remarks
	Above + below-measuring point (feet)	Date of measurement			
401	-37	d/	D,H	D,S	Dug well with brick curbing.
402	-24	Mar 10, 1936	None	N	
403	-53	d/	C,H	D,S	Deep water at 20 feet.
404	-53	d/	D,H	D,S	Tile casing.
405	-100	d/	C,W	D,S	First water at 60 feet.
406	-71	d/	P,H	D,S	Dug well with rock curbing.
407	-15	d/	D,H	D,S	Do.

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

Records of wells in Lavaca County --Continued

No.	Distance from Ezzell	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
	See map "E"							
408	7½ miles northwest	Mathew Caldwell	V. Schindler	Jim Leggett	--	68	8	0
409	do	do	J. Smolik, Sr.	- Tim	1918	78	3	0
410	8 miles northwest	James Kerr	R.J. Sciba	George Mason	1917	59	32	0
411	7½ miles northwest	John M. Ashby	Charles McElroy	Cal Jamison	1909	54	42	0
412	8 miles northwest	do	Peter Buxkemper	Tom Wilson	1917	114	4	0
413	7½ miles north	do	Alois Lorke, Sr.	--	--	120	4	0
414	9 miles north	do	S.A. Clark	- Magee	1879	90	48	0
415	5½ miles north	James Davis	Joseph Sykora	Alfred Gypner	1931	155	4	0
416	6 miles north	do	C.M. Spears	Tom Wilson	1918	65	8	0
417	4½ miles north	Richard Heath	J.L. Livergood	Jim Perkins	1936	26	30	2.6
e/418	do	do	W.P.A. test well	Guy Bingham	1936	28	3	--
419	6½ miles northwest	Peter Mattern	L. Mehla	--	--	50	5	0
420	do	William Ryan	Victoria Ackerman	--	1906	90	12	0
421	do	do	F.W. Neuhaus	--	--	71	4½	0
422	do	do	Paul Hermes	--	--	80	10	0
423	6 miles northwest	do	G. McCord	Louis Moore	--	68	3	0
424	5½ miles west	do	Ferd Wick	Amele Beason	1916	130	3	0
425	3½ miles north	J. Laffere	J.D. O'Neal	--	--	60	4	0
426	3½ miles northwest	Andrew Kent	Milton Gregory	--	--	45	7	0
427	3 miles north	do	Mrs. J.M. Reagan	--	--	56	30	0
428	1½ miles northwest	do	Mrs. J.F. Koonce	--	--	120	8	0
428a	2 miles west	do	M. Gregory	--	--	58	10	0
429	3 miles west	Michael Campbell	Marcus Schwartz	Rube Johnson	1919	60	8	0
430	3½ miles west	do	B.A. Butts	Tom Wilson	--	86	6	0

a/ Measuring point was usually top of casing; top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand. Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric.

Records of wells in Lavaca County --Continued

No.	Water Level		Pump and kind and amount of power d/	Use of water c/	Remarks
	Above + below - measur- ing point (feet)	Date of measure- ment			
408	-55.5	Feb. 27, 1936	C,W	D,S	Tile casing.
409	-70	do	C,W	D,S	
410	-57	d/	B,H	D,S	Dug well with rock curbing. Went dry in 1925
411	-50	d/	C,W	D,S	Dug well with rock curbing.
412	-100	d/	C,W	D,S	First water at 75 feet, small supply.
413	-100	d/	C,W	D,S	
414	-83	d/	C,W	D,S	Dug well with rock curbing.
415	-85	d/	C,W	D,S	Water in hard black rock from 128 feet to 154 feet, seep at 80-85 feet.
416	-63	d/	B,H	D,S	Tile casing.
417	-29.5	Mar. 12, 1936	C,W	D,S	Dug well with sandstone curbing.
418	--	--	None	N	
419	-85	d/	C,W	D,S	
420	-70	d/	C,W	D,S	Tile casing
421	-61	d/	C,H	D,S	
422	-74	d/	C,W	D,S	Tile casing.
423	-83	d/	C,W	D,S	
424	-100	d/	C,H	D,S	Also has weak water stratum at 50 feet.
425	-74	d/	C,W	D,S	
426	-39	d/	B,H	D,S	
427	-53	d/	C,W	D,S	Dug well with brick, rock, and tile curbing.
428	-50	d/	C,W	D,S	Tile casing.
428a	-53	d/	C,W	D,S	Do.
429	-48	d/	B,H	D,S	Do.
430	-90	d/	C,H	D,S	Tile casing, first water reported at 60 feet.

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

Records of wells in Levee County -- Continued

No.	Distance from Erzell See Map 6E ¹¹	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (ft.)	Height of measuring point above ground (ft.) ^{a/}
431	4 1/2 miles west	Jessie Spikes	Paul Hermes	Joe Frazer	1935	74	4	0
432	7 miles west	B.O. Dougherty	John Jurona	--	1906	57	5	0
433	9 miles southwest	F.S. Snopce	J.O. Thigpen	--	1928	55	--	0
<u>434</u>	do	Thomas Fowler	F.P.A. Post well	Guy Bingham	1936	28	3	--
435	do	do	Joe Riggs	--	--	72	7	0
436	10 miles southwest	H. C. Koch	P.M. Hall	Jack Riggs	1919	75	5	0
437	11 miles southwest	James E. Lynch	H.F. Windmeyer	Riggs Brothers	1900	70	4 1/2	0
438	do	do	J.F. Post well	Joe Riggs	1928	99	4 1/2	0
439	do	L. Martin	T.T. Shaw	Og. Shaw	--	65	4	0
440	do	do	Julia McDonald	Alvin McGord	--	67	4	0
441	8 1/2 miles southeast	Paul Scarborough	James Jettin	E.W. Riggs	1918	40	8	0
442	do	do	Mrs. A.M. Hogan	Tom Wilson	--	72	8	0
443	8 miles southwest	Paul Scarborough	Mrs. M. Fowler	--	--	65	7	0
444	8 1/2 miles southwest	L. Voss	Miss Lou Schneider	--	--	60	8	--
445	7 1/2 miles southwest	Hope	J.C. Deborah	--	--	48 1/2	7	--
<u>445a</u>	do	do	do	--	--	100	4 1/2	0
446	do	John Douglas	G.E. Hudson	--	1905	50	8	0
447	7 miles southwest	Isaac Tate	Ollie Castellow	Rube Johnston	1930	75	4 1/2	0
448	4 miles southwest	Jacob Ryan	Oscar Lempley	Oscar Lempley	1932	46	3 1/2	0
449	5 1/2 miles southwest	Juan Capery	J.C. Lemley	Norman Roth	--	54	4	0
450	5 miles southwest	do	R.L. T. T. T.	--	--	90	8	0
451	do	Jacob Ryan	Mrs. Livvie Miller	Miller	--	72	8	0
452	4 1/2 miles southwest	John McMinney	S.W. Evans	Rube Johnston	1931	49	6	0

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Stn., steam; G., gasoline engine or tractor; W., windmill; H., hand. Cf., centrifugal; A., air-lift; C., cylinder; B., bucket or bailer; E., electric.

Records of wells in Lavaca County --Continued

No.	Water Level		Pump and kind and amount of power d/	Use of water c/	Remarks
	Above+ below-measuring point (feet)	Date of measurement			
431	-50	d/	B,H	D,S	Seep at 55 feet, water gravel at 74 feet.
432	-42	d/	C,W	D,S	
433	-49	d/	B,H	D,S	
434	--	--	None	N	
435	-36	d/	B,H	D,S	Tile casing;
436	-45	d/	C,W	D,S	Reported salty water at 21 feet.
437	-45	d/	C,W	D,S	
438	-74	d/	C,W	D,S	Reported bad water at 67 feet.
439	-52	d/	C,I	D,S	
440	-62	d/	C,W	D,S	
441	-32	d/	C,W	D,S	
442	-39	d/	C,W	D,S	
443	-33	d/	B,H	D,S	Tile casing.
444	--	--	C,H	D,S	
445	--	--	C,W	D,S	
446	-50	d/	P,Stm	S,Ind	Supplies cotton gin.
447	-47	d/	B,H	S	Tile casing.
448	-35	d/	C,H	D,S	Reported first water stratum at 50 feet.
449	-36	d/	C,I	D,S	
450	-46	d/	C,W	D,S	
451	-35	d/	B,H	D,S	Tile casing, weak supply.
452	-70	d/	C,W	D,S	Tile casing.
453	-27.4	May 18, 1936	B,H	D,S	Do.

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

Records of wells in Lavaca County --Continued

No.	Distance from Ezzell	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
	See map "E"							
453	4 miles southwest	John McKinney	S.W. Evens	Rube Johnston	1931	27	6	0
454	2½ miles south	John Linn	Grover Haynes	--	--	73	8	0
e/455	2 miles south	do	Gus Russek	D.D. Johnson	1927	3,275	10	--
456	3 miles southwest	A.O. Williams	L.E. Debord	Joe Frazer	--	101	4	0
457	2½ miles southwest	Seymour Lyons	Lee Debord	--	--	90	10	0
458	2 miles west	do	T.A. Thigpen	--	1900	108	6	0
459	1½ miles west	do	W.H. Castellow	--	--	85	7	0
460	In Ezzell	George Foley	W.T. Reagan	Tom Wilson	1896	152	4	0
461	do	do	County School	Rube Johnston	--	56	7	0
462	½ mile south	H.C.G. Summers	E.A. Turk	Tom Wilson	1923	85	3	0
463	½ mile northeast	George Foley	W.T. Reagan	Rube Johnston	--	107	3½	0
464	do	do	J. Honesh	--	--	60	3	0
465	1½ miles southeast	H.C.G. Summers	J.M. McClure	--	--	38	5	0
466	3 miles northeast	W.R. Mills	B. Klinichek	Adolph Tim	--	135	4	0
467	3 miles east	Joseph McLawrence	H. Pohl	H. Pohl	1915	49	42	0
468	do	do	G. Smothers	--	1909	60	8	0
469	3 miles southeast	H.C.G. Summers	I. Gorman	--	--	55	8	0
470	3½ miles southeast	H. Bonny	A.J. Maddox	--	--	50	3½	0
471	do	do	do	--	1896	52	8	0
472	7 miles southeast	Euselio Farias	G. Cranz	--	--	70	6	0
473	do	Caroline Brown	J.C. Hunt	Joe Frazer	1924	70	4	0
e/474	7½ miles south	J.C. Crenshaw	W.T. Wilson	Humble Oil Co.	--	7,516	--	--
475	7½ miles southeast	Caroline Brown	T.J. Roden	--	--	65	10	0

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Strn, steam; G, gasoline engine or tractor; W, windmill; H, hand. Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric.

Records of wells in Lavaca County --Continued

No.	Water Level		Pump and kind and amount of power d/	Use of water c/	Remarks
	Above + below-- measur- ing point (feet)	Date of measure- ment			
453	-18	Feb. 20, 1936	B,H	D,S	Water in gravel and sand. Tile casing.
454	-68	d/	C,H	D,S	Tile casing.
455	--	--	None	N	See Driller's log. Also known as "Benedum-Trees" well.
456	-36	d/	C,W	D,S	Reported first water at 55 feet.
457	-60	d/	B,H	D,S	Tile casing.
458	-76	d/	C,W	D,S	Do.
459	-75	d/	C,W	D,S	Do.
460	-40	d/	C,G	N	Reported first water at 55 feet and second at 70 feet.
461	-40	d/	C,H	D	Tile casing.
462	-65	d/	C,W	D,S	
463	-40	d/	C,W	D,S	Reported first water at 55 feet, second at 80 feet and third in soft red sand, rock from 104-107 feet.
464	-40	d/	C,H	D,S	Reported first water at 40 feet.
465	-35	d/	B,H	D,S	Tile casing.
466	-85	d/	C,W	D,S	Reported first water at 20 feet.
467	-44	d/	C,W	D,S	Dug well with brick and concrete curbing.
468	-54	d/	C,W	D,S	Tile casing.
469	-53	d/	B,H	D,S	Do.
470	-40	d/	B,H	D,S	
471	-49	d/	C,W	D,S	Tile casing. Water in hard rock at 1-52 feet.
472	-40	d/	C,W	D,S	
473	-46	d/	B,H	D	
474	--	--	--	--	See Driller's log.
475	-60	d/	B,H	D,S	Tile casing. Very small supply of water.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Lavaca County --Continued

No.	Distance from Ezzell See map "E"	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
476	11 miles southwest	A. Adams	L. Carroll	--	--	50	8	--
477	10 miles southwest	Henry Burman	W. E. Fitzhenry	--	--	68	4	--
478	do	B. Riley	W.P.A. test well	Guy Bingham	1936	37½	3	0
479	do	M. Fowler	J. H. Marshall	--	1910	61	4	0
480	9 miles southwest	B. Smith	Mrs. S.J. Rose	--	--	86	--	0
481	10 miles southwest	H. Dial	G. Hamman	Henry Harman	1932	52	4	0
482	10½ miles southwest	John P. Smith	G.H. Nolen	Dave Nolen		80	4	--
483	12 miles southwest	N.B. Thompson	R.J. Dages	--	--	40	8	0
484	10½ miles southwest	E. Riley	Mrs. O.M. Williams	--	--	79	4	0
485	9 miles south	H. Thomas	J.W. Evers	J.W. Evers	1915	52	3	0
486	9½ miles south	Thomas Carroll	S.A. Smith	--	1908	75	4	--
487	13 miles southwest	Nichols Peck	Charley Frank	--	1913	65	4½	0
488	do	M.A. Johnson	L. Smolka	L. Smolka	1900	90	4½	0
489	13 miles southwest	do	J.H. Frank	--	1894	78	4¼	0
490	12½ miles southwest	do	Mrs. E. Strobel	--	1894	76	4¼	0
491	do	J.F. Kemper	O. Borchers	Pete Williams	1916	80	4¼	0
492	15 miles southwest	T.& N.O.R.R. Co.	T.W. Nickel	Joe Fudge	1920	116	3½	--

^{a/} Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

^{b/} T., turbine; Str., steam; G, gasoline engine or tractor; W, windmill; H, hand. Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric.

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Records of wells in Lavaca County --Continued

No.	Water Level		Pump and kind and amount of power d/	Use of water c/	Remarks
	Above + below - measur- ing point (feet)	Date of measure- ment			
476	--	--	C,W	D,S	Tile casing.
477	--	--	C,W	D,S	
478	-31 $\frac{1}{2}$	Mar. 10, 1936	None	N	
479	-53	<u>d/</u>	C,W	D,S	
480	-70	<u>d/</u>	B,H	D,S	
481	-42	<u>d/</u>	C,G	D,S	
482	--	--	C,W	D,S	
483	-36	<u>d/</u>	C,W	D,S	Tile casing.
484	-58	<u>d/</u>	C,W	D,S	
485	-34	<u>d/</u>	C,W	D,S	Seep water at 34 feet.
486	--	--	C,W	D,S	
487	-40	<u>d/</u>	C,W	D,S	
488	-62	<u>d/</u>	C,W	D,S	Water in gravel.
489	-58	<u>d/</u>	C,W	D,S	
490	-71	<u>d/</u>	C,W	D,S	
491	-60	<u>d/</u>	C,W	D,S	
492	--	--	C,W	D,S	

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Table of Driller's Logs, Lavaca County, Texas.

Driller's log of well 61
 (Cranfill-Reynolds, A. T. Hermes No. 1,
 William Ryan Survey, 8 miles east of Yoakum)

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Yellow clay-----	35	35	Sticky shale-----	20	1370
Yellow joint clay-----	10	45	Variogated shale-----	10	1480
Pack sand-----	53	101	Sand-----	40	1420
Red sand-----	10	111	Gumbo and shale-----	5	1425
Sand and clay-----	19	130	Gumbo-----	10	1435
Pack sand-----	130	260	Shale-----	22	1457
Sand streaked with clay--	140	400	Sand, shale and lime-----	8	1465
Sand and hard lime-----	50	450	Green sandy shale-----	35	1500
Blue and red shale, yellow clay and sand-----	55	505	Sand and shale-----	28	1528
Hard sand streaked with yellow clay-----	30	535	Sticky shale-----	77	1605
Blue shale and sand rocks	35	560	Sand-----	28	1633
Blue shale and hard sand-	95	655	Sticky shale-----	32	1665
Shale-----	20	675	Lime, sand and shale-----	45	1710
Packed sand-----	32	707	Sticky shale-----	18	1728
Broken sand and shale----	44	751	Cored water sand-----	7	1735
Brown shale-----	39	790	Water sand with layers of shale-----	30	1765
Sticky shale-----	20	810	Green shale-----	35	1800
Broken sand and shale----	40	850	Sticky shale-----	78	1878
Sticky shale-----	85	935	Water sand-----	10	1888
Gumbo and shale-----	66	1001	Very hard sand-----	21	1909
Hard sand-----	22	1023	Sandy shale-----	11	1920
Sticky shale-----	62	1085	Sticky shale-----	60	1980
Yellow shale-----	85	1170	Sticky shale and shells	45	2025
Sand-----	7	1177	Sandy shale and lime-----	23	2048
Sand and shale-----	13	1190	Hard water sand-----	2	2050
Sticky shale-----	20	1310	Green shale and white ash or soft chalk-----	30	2080
Hard sand-----	5	1315	Hard and sticky shale----	14	2094
Soft water sand-----	16	1331	Hard sand-----	9	2103
Broken sand and shale	19	1350	Green shale-----	2	2105
			TOTAL DEPTH-----		4540

Driller's log of well 111.

(J. R. Matula well, William Chase Survey, one mile southeast of Moulton)

Black soil-----	2	2	"Slate"-----	5	255
White clay-----	58	60	Fine-grained sandstone---	20	275
Sandstone and white clay, interstratified-----	40	100	Very soft clay, almost mud	50	325
Coarse, water-bearing sandstone-----	30	130	Blue clay-----	40	365
Blue clay-----	120	250	Fine-grained, water bearing sandstone; water rose slightly above surface---	85	450

Table of Driller's Logs -- Continued

Driller's log of well 111 --Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Gray "limestone".			White rock-----	2	602
(probably sandstone)-----	7	457	Dark blue, soft rock-----	5	607
Blue clay-----	3	460	Hard, gray rock-----	5	612
Gray "limestone"; blue clay	9	469	Light blue clay-----	3	615
Hard "limestone" (probably			Dark blue clay-----	13	633
sandstone)-----	12	481	Black, fossiliferous clay	67	700
Blue clay-----	9	490	Water-bearing sand; water		
Water-bearing sandstone	6	496	sulphurous; flows above		
Blue clay-----	14	510	ground; 40 gallons a minute	1	701
Very white, hard clay-----	3	513	Hard "limestone" (sandstone?)	6	707
Fossiliferous, black clay	84	597	Black clay-----	93	800
White rock-----	2	599	Blue sand; bad odor; water		
Blue clay-----	1	600	lost-----	30	830
			Yellow clay entered-----	1	831

Driller's log of well 131 .

(L. A. Douglas, F. T. Fehrenkamp No. 1, Moses Mitchell Survey, 8 miles south of Moulton)

Surface clay-----	21	21	Sticky shale-----	33	2078
Sand with hard streaks---	44	65	Lime-----	1	2079
Yellow clay-----	65	130	Sticky shale-----	67	2146
Sand with hard streaks---	130	260	Sandy shale-----	59	2175
Pink shale-----	90	350	Sticky shale-----	259	2434
Sand-----	15	365	Broken lime and shale----	30	2464
Bluish green shale-----	110	475	Sticky shale-----	28	2492
Water sand-----	110	585	White sandy shale-----	13	2510
Bluish green shale-----	215	800	Sticky shale-----	22	2532
Water sand-----	40	840	Brown sand, cored-----	3	2535
Gray green shale-----	210	1050	Sticky shale-----	36	2571
Water sand-----	10	1060	Hard sandy lime-----	2	2573
Green shale-----	150	1210	Sticky shale-----	16	2589
Water sand-----	65	1275	Brown sand, cored-----	11	2600
Blue shale-----	65	1340	Shale-----	56	2656
Hard sandy shale-----	3	1348	Gray sand-----	16	2672
Sticky shale-----	112	1460	Sticky shale-----	43	2715
Lime shell-----	2	1462	Sand gray, cored-----	3	2718
Sticky shale-----	98	1560	Sticky shale-----	20	2738
Sand-----	10	1570	Sand gray, cored-----	20	2758
Black shale-----	68	1638	Sticky shale-----	8	2766
Sandy shale-----	15	1653	Sand, cored-----	14	2780
Shale-----	183	1836	Shale-----	5	2785
Sand-----	3	1839	Sand, cored-----	6	2791
Shale-----	7	1846	Very hard sandy lime----	2	2793
Lime-----	2	1848	Sand, cored-----	38	2831
Sticky shale-----	120	1968	Sticky shale-----	20	2851
Sandy shale-----	72	2040	TOTAL DEPTH-----		2851

Table of Driller's Logs -- Continued

Driller's log of well 267
 (Lavaca Oil Company's C. F. Leas No.1, S. H. Jack Survey,
 4 miles north of Sublime.)

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Soil and clay-----	15	15	Sand and shale-----	56	63 4
Rock-----	5	20	Gumbo-----	64	798
Gumbo and boulders-----	20	40	Sand and shale-----	4	802
Sand, gas showing-----	20	60	Gumbo-----	10	812
Gumbo-----	10	70	Sand, showing gas, flow-		
Sand rock-----	32	102	ing fresh water-----	6	818
Gumbo-----	22	124	Gumbo-----	17	835
Rock-----	6	130	Sandy shale-----	20	855
Gumbo-----	10	140	Gumbo-----	6	861
Sand rock-----	30	170	Shale-----	29	890
Gumbo-----	40	210	Shale and sand-----	39	929
Sand-----	12	222	Chalk-----	5	934
Gumbo-----	20	242	Sand and shale-----	6	940
Sand rock-----	23	265	Shale-----	30	970
Gumbo-----	16	281	Gumbo-----	10	980
Sand rock-----	24	305	Shale-----	16	996
Gumbo-----	21	326	Gumbo-----	9	1005
Sandy shale-----	31	357	Sandy shale-----	15	1020
Gumbo and boulders-----	23	380	Gumbo-----	14	1034
Hard sand and gravel-----	25	405	Shale-----	12	1046
Sand and gravel, fresh			Gumbo-----	18	1064
artesian water-----	103	508	Sandy shale, showing gas,		
Gumbo-----	22	530	some fresh water-----	22	1086
Sand-----	10	540	Gumbo, set 8", open hole		
Sand and shale-----	24	564	below-----	47	1133
Gumbo-----	14	578	TOTAL DEPTH-----		2725

Driller's log of well 339A
 (J. L. Collins and Co., A. Pohl No. 1, Moore Wooten
 Survey, 10 miles southeast of Hallettsville.)

Sand-----	5	5	Shale and lime shells-----	20	870
Red clay-----	17	22	Sticky shale-----	100	970
Sand-----	22	48	Shale and lime shells-----	290	1260
Red clay-----	115	163	Shale and sticky streaks--	23	1343
Sand and gravel-----	7	170	Shale-----	234	1577
Hard shale and shells---	11	181	Shale and lime shells-----	343	1920
Shale-----	39	220	Sticky shale and shell----	40	1960
Water sand-----	24	244	Shale and pyrite-----	223	2183
Sand-----	56	300	Sticky shale and lime-----	42	2225
Rock-----	4	304	Shale and pyrite-----	65	2290
Sandy shale and lime----	120	424	Shale-----	160	2350
Hard lime rock-----	3	427	Shale and lime shells-----	30	2380
Shale and broken lime---	148	575	Hard sandy shale and lime--	78	2458
Gray shale and lime			Hard shale and lime-----	145	2603
shells-----	275	850	TOTAL DEPTH-----		5000

Table of Driller's Logs -- Continued

Driller's log of well 455
(D. D. Johnson, Gus Russek No. 1, John Linn Survey, 2
miles south of Ezzell.)

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sandy clay-----	15	15	Sticky shale and sand----	50	1109
Coarse water sand-----	12	27	Shale, core-----	103	1212
Sand rock-----	3	30	Sandy blue shale-----	36	1248
Red clay-----	116	146	Brown gumbo and gypsum---	133	1381
Sand and gravel, water----	144	290	Cored dry sand 1375-1376 and 1381-1382-----		
Broken sand, shale and gravel-----	45	335	Blue gumbo and lime-----	23	1404
Sand and blue clay-----	40	375	Broken sand and shale----	10	1414
Sandy shale and shell rock-----	16	391	Gray gumbo and sticky shale-----	92	1506
Lime rock-----	10	401	Sticky gray shale and sandy shale-----	49	1555
Sticky blue shale-----	38	439	Gumbo and lime streaks---	97	1642
Water sand-----	15	454	Broken sandy shale and sand-----	20	1662
Sticky blue shale-----	65	519	Sticky blue shale-----	85	1747
Sand and boulders, artesian-----	51	570	Gray sandy blue shale----	99	1846
Sticky blue shale-----	32	602	Splintery blue shale-----	21	1867
Sand, artesian-----	45	647	Blue gumbo-----	41	1908
Sticky blue shale-----	44	691	Broken brown to blue shale	53	1961
Sand and boulders-----	44	735	Blue gumbo-----	30	1991
Brown gumbo-----	21	756	Brown and blue shale and gumbo-----	65	2056
Sandy shale-----	24	780	Blue green shale-----	24	2080
Blue gumbo-----	66	846	TOTAL DEPTH-----		3275
Sandy shale, and boulders	31	877			
Blue gumbo and shale-----	162	1039			
Hard blue shale-----	20	1059			

Driller's log of well 474
(Humble Oil and Refining Company's W. T. Wilson No. 1,
J. C. Crenshaw Survey, 7½ miles south of Ezzell.)

Clay and boulders-----	72	72	Sandy shale-----	22	1244
Clay-----	48	120	Sand and boulders-----	36	1280
Shale and shells-----	110	230	Shale-----	86	1366
Sand-----	110	340	Shale with lime streaks---	24	1390
Sandy shale-----	90	430	Sticky shale and lime----	242	1632
Sand-----	30	460	Sandy lime-----	32	1664
Sandy shale-----	140	600	Shale-----	207	1871
Shale-----	45	645	Sand with streaks of lime	74	1945
Sand and boulders-----	55	700	Shale-----	80	2025
Sandy shale-----	78	778	Shale with streaks of lime-----	353	2378
Sand-----	52	830	Shale-----	55	2433
Sticky shale-----	111	841	Sand-----	45	2478
Sandy shale-----	158	1099	Hard lime rock-----	2	2480
Shale with streaks of lime-----	50	1149	Shale-----	76	2556
Lime-----	12	1161	Sand-----	49	2605
Shale-----	42	1203	Green shale-----	51	2656
Sand-----	21	1224	TOTAL DEPTH-----		7516

Logs of test wells in Lavaca County, Texas, drilled by W.P.A. labor. Samples examined and classified by W. O. George, Project Superintendent.

Well 2

Located on County road 3 miles west of Sweet Home

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Top soil -----	3	3	Calcareous brown clay with		
Calcareous yellow clay ----	7 $\frac{1}{2}$	10 $\frac{1}{2}$	blue streaks -----	7	18
Calcareous yellow and blue clay -----	$\frac{1}{2}$	11	Calcareous yellow clay ----	10	28

Well 3

Located on County road 1 $\frac{1}{2}$ miles west of Sweet Home

Black soil -----	4	4	Blue sandy shale -----	5	14.0
Yellow sandy clay -----	1.5	5.5	Red iron stained sand -----	9	23
Red coarse sand -----	8	13.5	Water sand -----	1	24

Well 5

Located 1-1/4 miles northwest of Sweet Home on Highway 72

Yellow sand -----	17	17	White coarse sand -----	7	37
White sandstone -----	1	18	Yellow sandstone -----	3	40
Yellow and green clay -----	6 $\frac{1}{2}$	24 $\frac{1}{2}$	Yellow clay -----	1	41
Yellow sandstone -----	5 $\frac{1}{2}$	30	White sandstone -----	$\frac{1}{2}$	41 $\frac{1}{2}$
			No water		

Well 8

Located on County road, 2-1/4 miles east of Sweet Home

Top soil -----	2	2	Calcareous yellow rd blue clay -----	1 $\frac{1}{2}$	36 $\frac{1}{2}$
Brown sandy clay -----	2	4	Calcareous yellow clay ----	3	37
Light brown clay -----	3	7	Calcareous soft gray sand- stone -----	1 $\frac{1}{2}$	38 $\frac{1}{2}$
Yellow sandy clay -----	2 $\frac{1}{2}$	9 $\frac{1}{2}$	Calcareous brown clay and caliche -----	1	39 $\frac{1}{2}$
White sand (dry) -----	5 $\frac{1}{2}$	15	Calcareous blue sand- stone -----	2	41 $\frac{1}{2}$
White and yellow sand -----	7	22	Calcareous white sand ----	3	44 $\frac{1}{2}$
Brown sand -----	1	23	Water at 41 $\frac{1}{2}$		
Calcareous blue clay -----	$\frac{1}{2}$	23 $\frac{1}{2}$			
Calcareous blue and red clay -----	6	29 $\frac{1}{2}$			
Calcareous red and yellow clay -----	6 $\frac{1}{2}$	36			

Well 12

Located on County road, 1 $\frac{1}{2}$ miles south of Sweet Home

Top soil -----	4	4	Calcareous red gray sandy clay -----	1	31
Yellow sand -----	$\frac{1}{2}$	4 $\frac{1}{2}$	Calcareous white sand- stone -----	2	33
White sand -----	13	17 $\frac{1}{2}$	No water		
Calcareous fine brown sand--	12 $\frac{1}{2}$	30			

Logs of W. E. A. Test wells--Continued

Well 16

Located 125 feet east of S. A. A. R. R. Depot at Sweet Home

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Top soil-----	$\frac{1}{2}$	$\frac{1}{2}$	Red clay and gray sand-----	$\frac{1}{2}$	$9\frac{1}{2}$
Blue yellow clay-----	$1\frac{1}{2}$	$1\frac{1}{2}$	Red clay-----	2	$11\frac{1}{2}$
Orange blue clay-----	$2\frac{1}{2}$	4	Dark tan sand-----	10	$21\frac{1}{2}$
Brown clay-----	1	5	Yellow sand and gravel-----	$2\frac{1}{2}$	24
Pink clay-----	$\frac{1}{2}$	$5\frac{1}{2}$	Dark tan sand-----	$\frac{1}{2}$	$24\frac{1}{2}$
Brown clay and white gravel---	1	$6\frac{1}{2}$	Red clay and yellow sand---	1	26
Light gray sandy clay-----	1	$7\frac{1}{2}$	Brown sand-----	2	28
Red and green clay-----	$\frac{1}{2}$	8	Light brown sand-----	$4\frac{1}{2}$	$32\frac{1}{2}$
Gray sandy clay-----	$\frac{1}{2}$	$8\frac{1}{2}$	Water at $32\frac{1}{2}$ feet.		
Yellow and brown sandy clay---	$\frac{1}{2}$	9	See table of water analyses.		

Well 24

Located in forks of Yoakum and Sweet Home road, 4 miles northeast of Yoakum

Top soil-----	$3\frac{1}{2}$	$3\frac{1}{2}$	Calcareous fine yellow sand	$9\frac{1}{2}$	$21\frac{1}{2}$
Calcareous brown sandy clay---	$3\frac{1}{2}$	7	Calcareous white sand-----	5	27
Calcareous yellow sandy clay--	4	11	Calcareous yellow sand-----	2	29
Calcareous red coarse sandy clay and gravel-----	1	12	Calcareous white sandstone-	2	31
			No water		

Well 26

Located 2 $\frac{1}{2}$ miles northeast of Yoakum on old Sweet Home road.

Top soil-----	$5\frac{1}{2}$	$5\frac{1}{2}$	Brown and gray sandy clay and caliche-----	3	11
Calcareous gray sandy clay and caliche-----	1	6	Calcareous yellow clay and caliche-----	4	15
Calcareous gray clay and caliche-----	$1\frac{1}{2}$	8	No water		

Well 27

Located 2 $\frac{1}{2}$ miles northeast of Yoakum on Sweet Home Road

Top soil-----	$2\frac{1}{2}$	$2\frac{1}{2}$	Yellow clay and sand-----	$\frac{1}{2}$	$7\frac{1}{2}$
Brown clay-----	$1\frac{1}{2}$	4	Light brown clay and sand--	$\frac{1}{2}$	8
Yellow clay and sand-----	$1\frac{1}{2}$	5	Blue and white sand-----	$3\frac{1}{2}$	$11\frac{1}{2}$
Dark brown sand and clay-----	$1\frac{1}{2}$	7	Yellow and blue clay-----	$2\frac{1}{2}$	14
Water at 7 feet					

Well 29

1 $\frac{1}{2}$ miles northeast of Yoakum on old Sweet Home road

Top soil, brown sandy clay---	$3\frac{1}{2}$	$3\frac{1}{2}$	Calcareous red sandy clay with gray streaks-----	$\frac{1}{2}$	$22\frac{1}{2}$
Calcareous yellow sandy clay and gravel-----	4	4	Calcareous light brown hard sandstone-----	1	$23\frac{1}{2}$
Calcareous red clay and caliche-----	3	7	Calcareous red sandy clay and caliche-----	2	$25\frac{1}{2}$
Calcareous yellow sandy clay--	2	9	Fine white sand-----	$2\frac{1}{2}$	28
Hard brown "flint rock"-----	2	11	Calcareous white sandstone-	1	29
Calcareous red fine sandy clay	3	14	Calcareous coarse white sand-----	$5\frac{1}{2}$	$34\frac{1}{2}$
Red clay with gray streaks---	7	21	Water at $34\frac{1}{2}$ feet (seep)		
Calcareous red and brown hard sandstone-----	1	22	Coarse white sand-----	$4\frac{1}{2}$	39
			See table of water analyses.		

Logs of W. P. A. Test Wells--Continued

Well 30

1 1/2 miles north east of Yookum on Sweet Home road

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Top soil-----	5	5	Fine brown sand-----	4 1/2	31 1/2
Brown sand-----	2 1/2	7 1/2	Calcareous yellow sandy clay and calciche-----	1 1/2	32
Red clay with blue spots-----	1	8 1/2	Light brown fin. sand-----	1	33
Calcareous blue clay with brown spots-----	7 1/2	16	Calcareous brown and gray sandy clay-----	3	36
Calcareous brown clay with gray streaks-----	2	18 1/2	Calcareous white sand and brown clay-----	1	37
Calcareous brown clay and calciche-----	2 1/2	19	Fine white sand-----	10	47
Yellow clay with gray streaks--	2	21	Calcareous hard brown sandstone-----	1	48
Brown clay with gray streaks--	6	27	No water		

Well 31

1 mile east of Yookum on Sweet Home road

Top soil-----	5 1/2	5 1/2	Red and blue fine sandy clay-----	2 1/2	25 1/2
Calcareous yellow sandy clay--	4 1/2	10	Calcareous light brown sand	6	31 1/2
Calcareous light brown sandy clay-----	1	11	Calcareous fine brown sand--	3 1/2	35
Calcareous blue and red sandy clay-----	2	13	Fine light brown sand-----	3	38
Red clay-----	5	18	Calcareous fine sand-----	7	45
Calcareous light brown and blue clay-----	5	23	Calcareous brown sand-----	2 1/2	47 1/2
			No water		

Well 32

1 mile east of Yookum on Sweet Home road

Red clay-----	5 1/2	5 1/2	Sandy clay-----	4	21 1/2
Yellow sand-----	2	7 1/2	Sand-----	4	25 1/2
White and red sand-----	4 1/2	12	Red sand-----	14	39 1/2
Blue and red clay-----	1 1/2	14 1/2	Water sand-----	1	40 1/2
Blue clay-----	3	17 1/2			

Well 37

1 mile southeast of Yookum on County road

Green and yellow clay-----		4	Red clay-----	5 1/2	35
Gray and yellow clay and gravel-----	3	7	White sand rock-----	1 1/2	36 1/2
Sandy clay-----	1	8	Red and brown clay-----	13	49 1/2
Pink clay-----	2	10	Yellow and brown clay-----	1 1/2	50
Light brown clay-----	10	20	Pink and yellow clay-----	1 1/2	50 1/2
Light brown sand-----	3	23	Blue and yellow clay-----	2 1/2	53
Red clay-----	5 1/2	28 1/2	No water		
Light brown sand-----	1	29 1/2			

Well 50

4 miles southeast of Yookum on County road

Top soil-----	3	3	Orange sand and clay-----	1 1/2	10 1/2
Black clay and gravel-----	1 1/2	4 1/2	Orange sandy clay-----	1 1/2	11
Gray clay and sand-----	2	6 1/2	Blue clay and sand-----	3	14
Yellow clay and gravel-----	1	7 1/2	Yellow sand and clay-----	2	16
Brown clay and gravel-----	1 1/2	9	Light blue sand-----	1	17
Blue clay and gravel-----	1	10	Orange sand and clay-----	1 1/2	17 1/2

Logs of U. S. A. Test wells--Continued

Well 50--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Light orange sand-----	1 $\frac{1}{2}$	19	Brown and green clay-----	1 $\frac{1}{2}$	29 $\frac{1}{2}$
Red sandy clay-----	1 $\frac{1}{2}$	20 $\frac{1}{2}$	Golden sand-----	2	31 $\frac{1}{2}$
Yellow sand-----	1	21	Pink and blue sand-----	1	32 $\frac{1}{2}$
Red and green clay-----	1 $\frac{1}{2}$	21 $\frac{1}{2}$	Yellow and blue clay-----	1 $\frac{1}{2}$	34
First water in yellow sand----		22	Orange and blue clay and		
pink sand-----	1 $\frac{1}{2}$	23 $\frac{1}{2}$	sand-----	1 $\frac{1}{2}$	34 $\frac{1}{2}$
Light brown sand-----	2 $\frac{1}{2}$	26	Yellow and green clay-----	1 $\frac{1}{2}$	35
Brown and green clay-----	1 $\frac{1}{2}$	26 $\frac{1}{2}$	Pink clay and gravel-----	3	38
Red and green clay-----	1 $\frac{1}{2}$	27	Red clay-----	5 $\frac{1}{2}$	43 $\frac{1}{2}$
Yellow and red sandy clay-----	1 $\frac{1}{2}$	27 $\frac{1}{2}$	Red and green clay-----	1 $\frac{1}{2}$	48
Pink and blue clay-----	1 $\frac{1}{2}$	29	See table of water analyses.		

Well 55

5 miles east of Yorkum on County road

Top soil-----	2	2	Yellow sand-----	5 $\frac{1}{2}$	38
Yellow clay-----	3	5	Light brown sand-----	3	41
White chalk-----	1	5 $\frac{1}{2}$	Red clay-----	1	42
Red clay and white chalk-----	2 $\frac{1}{2}$	8	Red and blue clay-----	1 $\frac{1}{2}$	43 $\frac{1}{2}$
Red and green clay-----	8 $\frac{1}{2}$	16 $\frac{1}{2}$	Red clay and yellow sand----	1	44 $\frac{1}{2}$
Red clay-----	4 $\frac{1}{2}$	21	Red clay-----	5 $\frac{1}{2}$	50
Light yellow sand-----	5 $\frac{1}{2}$	26 $\frac{1}{2}$	Pink clay and sand-----	2	52
Golden sand-----	4 $\frac{1}{2}$	31	No water		
White sand-----	1 $\frac{1}{2}$	32 $\frac{1}{2}$			

Well 75

6 miles southeast of Yorkum on Home road

Top soil-----	1	1	Red and gray clay-----	1 $\frac{1}{2}$	13
Gray sand-----	1 $\frac{1}{2}$	2 $\frac{1}{2}$	Green clay and white chalk----	1 $\frac{1}{2}$	15 $\frac{1}{2}$
Blue clay-----	1 $\frac{1}{2}$	4	Green and brown clay-----	1 $\frac{1}{2}$	15
Blue clay and white chalk-----	1	5	Red clay-----	3	18
Brown and blue sandy clay-----	1 $\frac{1}{2}$	6 $\frac{1}{2}$	Water at 18 feet		
Light brown sandy clay-----	1 $\frac{1}{2}$	8	Red clay-----	5	23
White sand-----	1 $\frac{1}{2}$	9 $\frac{1}{2}$	See table of water analyses.		
Gray clay and chalk-----	3	11 $\frac{1}{2}$			

Well 77

6 miles southeast of Yorkum

Top soil-----	4	4	Argillaceous brown sand----	2	21
Yellow sand and gravel-----	9	13	Fine yellow sand-----	6	27
Brown argillaceous sand and			Fine red sand-----	4	31
gravel-----	3	16	Fine red sand with water----	2	33
Red and gray clay-----	3	19	No sample.		

Well 135

On county road 4 miles northeast of Shirer

Top soil-----	2	2	Calcareous red clay with		
Calcareous gray clay, salicho-	4	6	gray streaks-----	3 $\frac{1}{2}$	13 $\frac{1}{2}$
Calcareous yellow clay,			Calcareous red sandy clay		
salicho-----	4	10	and salicho-----	3 $\frac{1}{2}$	17
			Calicho-----	7 $\frac{1}{2}$	24 $\frac{1}{2}$
			No water, well was not completed.		

Logs of W. F. A. Test wells--Continued

Well 145

At forks of Gonzales and Moulton roads, $1\frac{1}{2}$ miles northwest of Shiner

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Top soil-----	$\frac{3}{4}$	$3\frac{1}{4}$	Large flint rock-----	$\frac{1}{2}$	7
Calcareous gray sandy clay and caliche-----	1	$4\frac{1}{4}$	Water at 7 feet		
Yellow and gray clay and caliche, some gravel-----	2	$6\frac{1}{2}$	Yellow clay and caliche----	5	12
			Yellow clay and caliche with gray streaks-----	$3\frac{1}{2}$	$15\frac{1}{2}$

Well 154

$\frac{3}{4}$ mile east of Midway

Caliche-----	3	3	Yellow sand with some water	7	12
Sandy caliche-----	2	5	Sticky clay-----	2	14

Well 155

1 mile east of Midway

Calcareous yellow clay-----	$6\frac{1}{2}$	$6\frac{1}{2}$	Calcareous gray clay with red streaks-----	10	18
Calcareous yellow clay with gray streaks-----	$1\frac{1}{2}$	8	Calcareous clay with yellow streaks, no water-----	4	22

Well 158

$3\frac{1}{2}$ miles south of Shiner

Yellow sand-----	3	3	Sticky yellow clay-----	7	$17\frac{1}{2}$
Caliche-----	1	4	Hard sandstone-----		$17\frac{1}{2}$
Yellow sandstone-----	4	8			
Yellow and blue clay-----	2	10			

Well 161

2 miles northeast of Yorkum on State Highway 79

Black top soil-----	6	6	Hard caliche-----	1	13
Calcareous gray clay-----	1	7	Red clay and caliche-----	$2\frac{1}{2}$	$15\frac{1}{2}$
Calcareous gray clay with yellow streaks-----	5	12	Calcareous red clay-----	$27\frac{1}{2}$	$13\frac{1}{2}$
			No water		

Well 162

3 miles northeast of Yorkum on State Highway 79

Blue-red clay-----	$10\frac{1}{2}$	$10\frac{1}{2}$	Hard yellow clay-----	1	$22\frac{1}{2}$
Water sand-----	3	$13\frac{1}{2}$	Yellow sandy clay-----	$1\frac{1}{2}$	24
Sandy clay-----	1	$14\frac{1}{2}$	No sample.		
Blue clay-----	7	$21\frac{1}{2}$			

Well 163

$3\frac{1}{2}$ miles northeast of Yorkum on State Highway 79

Yellow clay-----	11	11	Brown sand-----	2	18
Brown sand-----	3	14	White sandstone-----	2	20
Yellow clay-----	2	16			

Well 174

1 mile north of Worthing

Calcareous gray clay and caliche-----	$3\frac{1}{2}$	$3\frac{1}{2}$	Yellow clay and caliche----	$2\frac{1}{2}$	$6\frac{1}{2}$
Yellow sandy clay and caliche--	2	$5\frac{1}{2}$	Calcareous yellow clay-----	12	$20\frac{1}{2}$
Hard caliche-----	$\frac{1}{2}$	6	Calcareous hard sandstone--	1	$21\frac{1}{2}$
			No water		

Logs of W. F. A. Test Wells-Continued

Well 175

1 $\frac{1}{2}$ miles southwest of Worthing on State Highway 79

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Top soil-----	2 $\frac{1}{2}$	2 $\frac{1}{2}$	Calcareous white sand-----	7	27
Dark gray clay-----	1 $\frac{1}{2}$	4	Water at 21 feet.		
Calcareous yellow clay-----	1	5	Calcareous yellow sand and gravel-----	1 $\frac{1}{2}$	27 $\frac{1}{2}$
Calcareous blue clay, caliche-----	6 $\frac{1}{2}$	11 $\frac{1}{2}$	Calcareous, coarse yellow sandy clay and fine gravel	4	31 $\frac{1}{2}$
Calcareous yellow clay and caliche-----	4	15 $\frac{1}{2}$	See table of water analyses.		
Calcareous yellow sandy clay--	4 $\frac{1}{2}$	20			

Well 203

4 miles northeast of Loughton

Calcareous gray clay-----	5	5	Water at 7 feet.
Calcareous hard brown sandstone-----	2	7	See table of water analyses.

Well 234

4 miles northeast of Hookberry

Top soil-----	2 $\frac{1}{2}$	2 $\frac{1}{2}$	Calcareous light brown sand	1 $\frac{1}{2}$	21'
Yellow and blue sandy clay---	2 $\frac{1}{2}$	5	Gray clay and caliche-----	$\frac{1}{2}$	22
Blue sandy clay with yellow spots-----	$\frac{1}{2}$	5 $\frac{1}{2}$	Calcareous light brown sandstone-----	3	25
Yellow sandy clay-----	2 $\frac{1}{2}$	8	Water at 25 feet.		
Calcareous yellow sandy clay and caliche-----	3	11	Calcareous yellow sandy clay-----	1	26
Calcareous fine white sand----	$\frac{1}{2}$	11 $\frac{1}{2}$	Calcareous white sandstone--	1	26 $\frac{1}{2}$
Calcareous brown sand and gravel-----	$\frac{1}{2}$	12	Calcareous yellow sandy clay-----	$\frac{1}{2}$	27
Light brown fine sand and caliche-----	$\frac{1}{2}$	12 $\frac{1}{2}$	Calcareous white sandstone--	2 $\frac{1}{2}$	29 $\frac{1}{2}$
Calcareous light brown sandstone-----	4	16 $\frac{1}{2}$	Calcareous yellow sandy clay-----	1	30 $\frac{1}{2}$
Calcareous fine yellow sand---	1 $\frac{1}{2}$	18	Calcareous brown sandy clay	1	31 $\frac{1}{2}$
Calcareous fine white sand----	$\frac{1}{2}$	18 $\frac{1}{2}$	Hard blue sandstone-----	1	32 $\frac{1}{2}$
Calcareous white sandstone----	1	19 $\frac{1}{2}$	Calcareous light brown coarse sand-----	$\frac{3}{4}$	36
Calcareous fine yellow sand---	$\frac{1}{2}$	20	See table of water analyses.		

Well 245a

9 miles north of Hellettsville on State Highway 72

Top soil-----	5	5	Calcareous yellow sandy clay-----	7	17 $\frac{1}{2}$
Calcareous blue and yellow clay-----	5 $\frac{1}{2}$	10 $\frac{1}{2}$	Water at 17 $\frac{1}{2}$ feet.		
			Yellow quick sand-----	4	21 $\frac{1}{2}$
			See table of water analyses.		

Well 252

1 mile southwest of Hellettsville

Top soil-----	4	4	Gray sand and rock-----	1 $\frac{1}{2}$	9 $\frac{1}{2}$
Light brown sandy clay-----	$\frac{1}{2}$	4 $\frac{1}{2}$	Yellow clay-----	$\frac{1}{2}$	10
Yellow clay and chalk-----	$\frac{1}{2}$	5	White sandstone-----	5 $\frac{1}{2}$	15 $\frac{1}{2}$
Yellow sandy clay-----	1	6	White sand-----	$\frac{1}{2}$	16
White chalk-----	1	7	Water at 16 feet		
Light brown sandy clay-----	1	8	White coarse sand-----	9 $\frac{1}{2}$	25 $\frac{1}{2}$
			See table of water analyses.		

Logs of W. F. A. Test wells--Continued

Well 258

2 1/2 miles northeast of Hallettsville

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Top soil-----	3 1/2	3 1/2	Calcareous yellow sandstone	3	21 1/2
Calcareous gray sandy clay----	1 1/2	5	Calcareous fine yellow sand	2 1/2	24
Fine yellow sandy clay and caliche-----	14	19	Calcareous hard brown sandstone-----	3	27
Calcareous fine yellow sand----	2	21	Yellow clay and caliche----	6	33
			No water		

Well 301

2 miles south of Hallettsville

Top soil-----	2	2	Light brown coarse sand----	1 1/2	21 1/2
Calcareous red and yellow clay	2	4	Dark brown sand-----	2	23 1/2
Red sandy clay-----	3 1/2	7 1/2	Dark brown sandy clay-----	1	24 1/2
Yellow sand-----	5	12 1/2	Yellow sandstone and caliche-----	1	25 1/2
Red sandy clay-----	1 1/2	13	Yellow clay and caliche----	1 1/2	26
Light brown sand-----	1 1/2	14 1/2	Calcareous yellow sandstone	1 1/2	27 1/2
Light brown sandy clay-----	1 1/2	16	Yellow clay and caliche----	1 1/2	29
White sand-----	3 1/2	17 1/2	No water		
Red sandy clay-----	2 1/2	20			

Well 310

6 miles southeast of Hallettsville

Red clay-----	17	17	Red clay with blue spots---	13	30 1/2
Hard gray sandstone-----	1 1/2	17 1/2	No water		

Well 311

4 miles northeast of Vienna

Top soil-----	3	3	Dark brown sandy clay-----	1 1/2	5
Yellow clay-----	1 1/2	4 1/2	Calcareous red clay-----	6	11
Red and yellow clay-----	4	8 1/2	Hard red clay and caliche--	3	14
Red sandy clay-----	1 1/2	10	No water		

Well 319

1 1/2 miles southwest of Sulline

Top soil-----	1 1/2	1 1/2	White sand and gravel-----	3	21
Calcareous yellow clay and caliche-----	4 1/2	6	Calcareous blue clay and caliche-----	1 1/2	22
Calcareous yellow sandy clay and caliche-----	6	12	Calcareous yellow and green clay and caliche----	1 1/2	22 1/2
Calcareous yellow sand and caliche-----	6	18	Water at 22 feet		
Coarse brown sand-----	1 1/2	19 1/2	Calcareous red clay-----	8	30 1/2
			See table of water analyses		

Well 324

1 mile east of Sulline

Top soil-----	3	3	Fine yellow sand-----	12	35
Yellow clay with red streaks--	3 1/2	6 1/2	Brown quick sand-----	1 1/2	36 1/2
Yellow sandy clay-----	6 1/2	13	Water at 35 1/2 feet.		
Gray sandy clay-----	10	23			

Well 332

1/2 miles northeast of Vienna

Top soil-----	2	2	Fine red sand-----	6	21
Yellow clay with gray streaks-	3	5	Gray sandy clay-----	3 1/2	24 1/2
Red sandy clay-----	3	8	Yellow sandy clay-----	1	25 1/2
Coarse yellow sandstone-----	1	9	Water at 30 feet		
Gray clay-----	4	13	Gray sandy clay-----	9	34 1/2
Yellow sand-----	2	15	See table of water analyses.		

Logs of W. P. A. Test wells--Continued

Well 347

2 miles west of Provident City

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Top soil-----	$\frac{1}{4}$	$\frac{1}{2}$	Yellow and gray sandy		
Yellow and red sandy clay-----	10 $\frac{1}{2}$	11	clay with black spots-----	$\frac{1}{2}$	22 $\frac{1}{2}$
Gray sandy clay-----	11	22	Gray sandy clay with yellow		
			streaks-----	2 $\frac{1}{2}$	25
			No water		

Well 402

$\frac{3}{2}$ miles southeast of Sweet Home

Top soil-----	2	2	Yellow sand-----	$\frac{1}{2}$	21 $\frac{1}{2}$
Yellow clay-----	1	3	White and yellow sand-----	1	23
Brown and gray sandy clay-----	4 $\frac{1}{2}$	7 $\frac{1}{2}$	Brown sandy clay-----	1	24
Red and yellow sandy clay-----	4	11 $\frac{1}{2}$	Water at 24 feet		
White and yellow sand-----	2	13 $\frac{1}{2}$	Blue sandy clay-----	7	31
Yellow and blue sandy clay-----	2 $\frac{1}{2}$	16	Yellow sandy clay-----	6 $\frac{1}{2}$	37 $\frac{1}{2}$
Yellow and white sandy clay---	3	19	Gray sandy clay-----	2 $\frac{1}{2}$	40
White sand-----	2	21	See table of water analyses.		

Well 418

2 miles southwest of Mossy Grove

Top soil-----	3	3	Red and gray clay and		
Gray clay and caliche-----	10	13	caliche-----	$\frac{1}{2}$	17 $\frac{1}{2}$
Calcareous gray clay with			Calcareous red clay with		
red streaks-----	4	17	gray streaks-----	10 $\frac{1}{2}$	28
			No water		

Well 442

4 miles south of Home

Top soil-----	5	5	Red, yellow, and blue clay-	4 $\frac{1}{2}$	22 $\frac{1}{2}$
Gray sandy clay-----	1 $\frac{1}{2}$	6 $\frac{1}{2}$	Brown and blue clay-----	$\frac{1}{2}$	23
Brown and gray sandy clay-----	4	10 $\frac{1}{2}$	Gray clay-----	2	25
White coarse sandy clay-----	1	11 $\frac{1}{2}$	Red and blue clay-----	4 $\frac{1}{2}$	29 $\frac{1}{2}$
Coarse sandy clay and gravel--	1 $\frac{1}{2}$	13	Calcareous gray clay and		
Yellow sandy clay and gravel--	1	14	caliche-----	2	31 $\frac{1}{2}$
Brown sand and gravel-----	1	15	Water at 31 $\frac{1}{2}$ feet.		
Coarse white sandy clay and			Calcareous gray clay and		
gravel-----	1	16	caliche-----	6	37 $\frac{1}{2}$
Red and blue clay-----	2	18	See table of water analyses.		

Partial analyses of water from wells in Lavaca County, Texas.

(Analyzed at the State University under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry, by J. E. Stullken, C. R. Stewart, and D. F. Riddell, Chemists, and J. A. Harmaza, Roy Brown and Jack Ramsey, Assistant Chemists. Results are in parts per million. Well numbers correspond to numbers in table of well records.)

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as Ca CO ₃ (calculated)
1	Mary Vavricka	30	Feb. 19, 1936	749	120	16	141	177	44	340	364
5	W.P.A. test well	41	Feb. 29, 1936	253	56	18	27	250	a/	33	192
6	I. F. Fakus	60	May 21, 1936	284	84	-	30	305	a/	18	210
8	W.P.A. test well	45	Mar. 4, 1936	1,041	57	37	283	86	96	525	295
9	J. C. Donally	40	Mar. 5, 1936	656	113	77	37	670	14	80	598
10	Chas. J. Havlik	70	Feb. 27, 1936	430	40	18	102	177	24	158	172
11	L. F. Turner	75	Feb. 17, 1936	619	60	18	149	98	43	300	234
13	G. Kuratka	55	Feb. 27, 1936	494	52	12	145	171	a/	220	136
14	Mrs. M. Valenta	55	Feb. 19, 1936	733	101	25	123	80	74	340	355
15	Mrs. G. Kehanek	65	do	392	94	10	43	207	a/	142	277
16	S.A.A.P. R.R. Co.	35	Feb. 27, 1936	283	28	13	62	159	40	61	122
17	C. M. Hons	150	May 18, 1936	427	101	12	69	278	20	86	302
19	F. Wasek	65	Feb. 19, 1936	962	70	25	265	280	67	395	278
20	Jim McGrew	86	do	645	82	13	141	219	102	198	258
21	W.J. Jamison	55	Feb. 17, 1936	463	53	15	108	207	24	160	194
22	G.A. Magee	115	do	963	52	25	280	213	114	380	221
23	Mrs. O.G. Kuenster	70	do	726	41	20	210	312	91	208	185
25	John Stavarek	27	Feb. 19, 1936	205	-	3	76	116	35	33	12
27	County road	14	do	231	24	23	37	238	a/	28	155
28	J. W. Hoch	65	May 19, 1936	730	105	15	153	293	67	244	322
29	County road	39	Apr. 7, 1936	543	85	37	76	403	a/	142	365
34	J.E. Thornell	78	Jan. 9, 1936	6,833	758	250	1,210	330	1,700	2,750	2,927
35	E.H. Harvey	88	Jan. 7, 1936	183	50	14	232	290	50	220	183
36	C.J. Clark	65	Feb. 7, 1936	273	80	18	235	496	90	118	273
38	W.A. Kuhn	118	Feb. 8, 1936	542	86	13	119	384	8	124	268
39	Grace C. Jones	160	Feb. 11, 1936	599	64	15	153	378	14	164	222
40	- Landry	40	do	1,505	231	-	344	140	a/	860	578

a/ Sulphate less than 5 parts per million.

Partial analyses of water from wells in Lavaca County, Texas.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as Ca CO ₃ (calculated)
41	Mrs. A.J.Brown	80	Feb.12,1936	1,534	136	52	372	244	102	750	554
42	S. A. Carnes	85	Feb. 9,1936	634	58	6	199	168	49	154	118
43	J.A. Swarik	94	Feb.15,1936	1,037	126	27	227	201	87	470	426
45	J. Nick Estate	150	Feb.11,1936	589	54	15	158	293	20	196	196
46	do	105	do	832	22	33	255	256	59	335	189
47	Will Hopkins	35	Feb.13,1936	474	96	15	69	317	a/	136	302
48	H. Quato	72	Feb.11,1936	750	60	18	296	134	39	270	223
49	J. M. Wimberly	110	Feb.24,1936	865	82	27	213	305	49	340	318
50	County road	48	do	3,775	443	113	806	61	237	2,150	1,572
51	Dan Tate	139	Feb.12,1936	730	40	22	211	134	40	350	193
52	F. Quast	135	do.	814	42	25	230	104	75	390	208
53	Vinc Mozisek	100	Feb.14,1936	392	45	15	91	250	a/	116	172
54	Mrs. Marion	200	Feb.17,1936	1,368	53	40	413	55	20	810	310
56	Mrs. J.W.Williams	66	Feb.12,1936	443	28	20	118	207	14	160	153
57	Charlie Dymacek	70	Feb.17,1936	674	89	20	150	402	a/	214	304
58	Ed Hoffer	50	do	441	52	5	116	225	a/	156	152
59	John L. Hermes	78	do	317	17	15	90	183	a/	104	104
60	Gerhart Michlefeld	50	do	755	55	18	212	207	42	325	209
62	A.T. Hermes	100	Mar.16,1936	545	104	10	94	342	20	146	301
63	Oscar Karney	65	Feb.17,1936	471	34	101	104	256	12	92	147
64	Eugene Hoffer	35	Feb.27,1936	1,328	40	35	421	146	79	680	214
65	J. L. Gerdes	80	Feb.14,1936	2,753	460	102	423	219	59	1,600	1,575
66	A. Jalutka	30	Feb.26,1936	355	72	15	32	98	20	160	242
67	F.B. Rainosek	109	Feb.24,1936	1,159	197	42	176	92	28	670	667
68	Frank Bohrn	105	Feb.14,1936	913	169	22	141	341	106	305	513
69	Francis Zatopek	78	do	274	34	5	69	177	a/	78	106
70	E. J. Roth	80	do	889	61	22	247	183	78	390	243
71	Charlie Demacheck	65	do	1,236	55	40	368	134	96	610	302
72	Joe Smolkey	75	do	798	29	19	260	293	94	270	153
73	M. C. Jones	86	do	3,232	458	79	615	165	588	1,460	1,470
74	L. A. Hermes	65	Feb.12,1936	553	40	8	171	329	20	150	131
75	County road	23	Feb.26,1936	3,301	637	101	555	61	128	2,150	2,008

a/ Sulphate less than 5 parts per million.

Partial analyses of water from wells in Lavaca County, Texas.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as Ca CO ₃ (calculated)
76	J. W. Kelly	80	Feb. 13, 1936	360	76	8	51	131	a/	158	221
78	T. P. Tucker	65	Feb. 15, 1936	250	48	8	41	207	a/	50	152
79	Charlie Chovanetz	38	Feb. 28, 1936	281	125	6	-	73	a/	114	336
80	J. F. Riggs	79	Feb. 12, 1936	301	72	8	32	146	a/	116	211
81	C. S. Riggs	80	do	285	48	13	43	79	a/	142	172
101	J. Rezek	90	Apr. 25, 1936	b/510	-	-	-	24	20	280	-
102	F. Luksarsky	51	do	b/650	-	-	-	403	23	184	-
103	Hugo Fishbeck	49	do	b/400	-	-	-	256	17	108	-
104	Elsie Ware	15	do	679	88	7	174	512	20	134	251
105	James Zidek	35	do	b/650	-	-	-	232	51	250	-
106	J. F. Novosad	52	do	520	98	-	3	262	a/	26	245
107	K. V. Darilek	80	Apr. 24, 1936	503	92	8	119	372	20	78	261
108	Moulton Water Works	594	Apr. 25, 1936	690	70	4	194	354	59	186	191
109	W. M. Hendricks	135	Apr. 24, 1936	840	132	3	189	305	34	330	340
110	John Jobb	65	do	1,938	390	15	394	451	34	880	787
112	August Koehn	185	do	3,138	456	33	647	268	338	1,530	1,274
113	I. Simper	60	do	b/280	-	-	-	268	6	33	-
114	J. Culak	42	Apr. 22, 1936	b/630	-	-	-	342	50	240	-
115	M. J. Mikes	55	Apr. 24, 1936	b/390	-	-	-	348	16	52	-
116	Adam Stock	43	Apr. 23, 1936	b/325	-	-	-	305	8	40	-
117	J. Kurtz	1,330	Apr. 25, 1936	665	1	2	272	506	19	118	10
118	John Schutz	43	Apr. 20, 1936	467	232	10	-	134	22	136	621
119	Joe Selzer	145	Apr. 29, 1936	553	188	7	10	317	12	178	501
119a	do	38	do	603	188	10	27	317	a/	220	511
120	Frank Wendel	301	Apr. 30, 1936	780	100	5	199	427	51	212	271
121	Frank Stasney	88	Apr. 27, 1936	2,763	474	32	515	268	138	1,470	1,314
122	Schwartz & Paulus	35	Apr. 30, 1936	c/	196	10	-	323	a/	156	531
123	Joe Sustr	32	do	321	96	5	48	317	a/	74	261
124	Ernest Roeber	41	do	343	112	5	16	354	a/	33	301
125	E. E. Hildebrandt	300	do	1,011	81	15	288	329	93	370	262
126	Louis Kneifel	25	May 8, 1936	419	120	-	46	378	a/	64	300
127	Mrs. Minna Riske	26	do	350	98	7	31	281	a/	80	276
128	Adolph Swetlik	75	do	251	52	7	34	195	30	31	161
129	L. J. Rostka	102	Apr. 27, 1936	c/	144	2	-	232	43	52	370

a/Sulphate less than 5 parts per million. b/Probable total solids. c/Analysis incomplete, nitrates present.

Partial analyses of water from wells in Lavaca County, Texas

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magne- sium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicar- bonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calc.)
130	Rudolph Janak	35	Apr. 27, 1936	273	102	2	1	262	a/	37	265
132	Charlottenburg School	45	do.	282	106	2	1	281	a/	33	225
133	Peter Derrich	27	Apr. 26, 1936	c/	130	5	--	228	a/	60	346
134	Mrs. Alma Wehman	162	Apr. 27, 1936	3,376	555	27	645	195	402	1,650	1,498
136	Ben E. Eggert	50	do.	471	144	7	19	354	89	35	391
137	Louie Roeder	25	do.	273	100	2	8	281	a/	33	260
138	Frank Strakas	46	do.	323	104	2	19	281	a/	58	270
139	August Hirsch	90	do.	c/	130	--	--	220	31	58	325
140	W. M. Drabek	32	do.	c/	282	2	--	183	35	61	715
141	August Mladenka	29	do.	7,340	144	2	c/	256	23	43	380
142	Spoetzal Brewery	90	Apr. 24, 1936	304	72	2	46	256	a/	56	190
143	City of Shiner	211	Apr. 21, 1936	340	78	4	50	305	10	46	211
143b	do.	100	do.	329	92	3	33	293	a/	52	241
143d	Purity Creamery	105	Apr. 25, 1936	309	88	5	27	287	a/	46	241
144	City of Shiner	196	Apr. 21, 1936	331	72	4	54	293	8	47	196
145	W.P.A. test well	15 ¹ / ₂	Apr. 24, 1936	b/3,868	--	--	--	268	346	2,020	--
146	Frank Kloesel, Jr.	22	do.	b/716	--	--	--	250	23	304	--
147	Jim Lanodny	233	Apr. 29, 1936	598	104	5	123	390	35	136	281
148	W. A. Indorf	--	do.	c/	296	12	--	201	a/	160	791
149	Louis Blume	97	do.	526	112	5	86	287	a/	180	302
150	Jose F. Adamek	151	do.	566	100	10	102	329	70	120	291
151	Mat Hrcncir	36	Apr. 21, 1936	b/332	--	--	--	305	8	44	--
152	Frank Klecka	142	do.	609	146	16	101	24	54	280	432
153a	Lula Thompson	25	do.	b/1,139	--	--	--	403	150	380	--
156	Joseph Harabie	75	May 7, 1936	391	121	12	15	366	a/	60	352
157	Frank Neuhaus	15	do.	385	90	5	55	354	16	42	246
159	Joe Kloesel, Sr.	60	Apr. 21, 1936	486	170	7	41	268	10	124	451
160	J. Blamor	110	do.	459	94	19	59	354	10	100	312
164	John Rudruck	45	May 7, 1936	c/	128	2	--	281	a/	41	330
165	J. D. McMurray	28	do.	c/	140	7	--	256	a/	92	331
166	Frank Gallia	38	do.	c/	68	5	14	183	a/	52	191
167	Tom Dolezal	60	do.	c/	216	10	--	330	a/	68	40
168	Jim Pekar	70	do.	535	8	5	203	384	35	92	41

a/ Sulfate less than 5 parts per million. b/ Probable total solids. c/ Analysis incomplete, nitrates present.

Partial analyses of water from wells in Lavaca County, Texas.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as Ca CO ₃ (calculated)
169	A. J. Kallus	62	May 7, 1936	280	104	2	2	281	a/	32	270
170	Victoria Brosch	35	May 8, 1936	779	124	7	166	244	55	305	341
171	Joe Klekary	63	do	822	201	22	75	207	16	405	593
172	Joe Baska	33	do	753	97	9	179	244	16	320	277
173	F. Konvicka	41	do	1,303	217	24	234	201	108	620	643
175	Rocky Creek Park	31½	Mar. 19, 1936	511	151	-	52	512	a/	52	380
176	J. W. Loll	50	Mar. 14, 1936	547	150	15	38	384	30	122	437
177	J. Miculek	56	Feb. 28, 1936	600	116	15	60	73	a/	300	352
178	Ora Willis	53	Feb. 25, 1936	309	8	5	107	146	24	92	41
179	Mrs. Adolph Miller	18	do	907	86	8	236	330	37	365	296
180	Eddie Neuhaus	25	do	434	20	18	-	122	a/	335	582
201	F. Micuka	-	Apr. 29, 1936	1,113	252	10	145	293	120	440	671
202	R. Pilep	42	Apr. 25, 1936	b/286	-	-	-	268	10	32	-
203	W.P.A. test well	7	May 12, 1936	714	120	-	164	506	19	158	300
204	E. D. Boehm	20	do	417	94	5	63	323	12	82	256
205	R.J.C. Vogt	41	Apr. 30, 1936	377	88	10	48	354	a/	54	261
206	John Havel	165	do	1,351	200	10	293	323	152	535	541
207	Ewald Berkenhoff	29	May 12, 1936	273	60	5	41	250	10	32	171
208	Novahrad School	23	do	288	60	-	50	220	43	25	150
209	A. Sima	33	do	586	88	10	123	232	55	194	261
209a	Emil Vogt	90	Apr. 30, 1936	1,159	56	7	389	317	41	505	171
211	L. W. Tkac	35	Mar. 25, 1936	470	142	7	29	317	a/	134	386
212	Mary Klatuch	66	May 12, 1936	1,825	249	19	425	146	179	880	202
213	Ferd Miculka	64	do	381	92	5	53	183	8	132	250
214	John Kutac	46	do	486	148	5	32	390	20	86	391
215	J. M. Smaraek	65	do	836	136	10	168	134	10	445	381
216	Joe Gassman	58	do	341	72	5	56	293	14	48	201
217	Frank Hrnecir	80	Mar. 25, 1933	330	108	2	19	329	a/	37	280
218	Joe Vanek	30	do	324	84	2	41	305	12	33	220
219	A. Drozd	30	do	394	140	-	14	378	a/	51	350
220	John Pernik	20	Feb. 25, 1936	371	112	7	23	366	8	38	311
221	S. Jostphal	70	Mar. 25, 1936	474	78	10	97	342	a/	118	236
222	W. M. Henrich	230	do	2,093	149	17	630	317	149	990	442
223	F.J. Buzek	then 111	Apr. 30, 1936	830	44	7	271	256	45	335	141

a/ Sulphate less^v5 parts per million. b/ Probable total solids.

Partial analyses of water from wells in Lavaca County, Texas

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calc.)
224	Frank Kolas	40	Apr. 30, 1936	240	67	5	20	232	a/	31	191
225	John Miculenska	41	May 3, 1936	509	116	10	69	438	35	50	331
226	Rudolph Drozd	29	do.	511	62	29	99	360	16	122	274
227	Ignac Horecka	18	do.	241	78	2	11	183	12	47	205
228	W. Pohl	30	Mar. 24, 1936	392	56	5	95	317	8	70	161
229	F. Blahuta	80	do.	735	156	7	116	366	33	240	421
230	Joe Rektorik	32	do.	350	104	--	13	393	8	29	260
231	Adolph Berger	85	do.	1,277	261	15	198	281	53	610	712
232	J. A. Pargac	30	do.	434	100	7	59	360	16	72	281
233	J. M. Hrnecir	30	do.	532	132	2	85	438	28	96	340
234	State Highway	46	Mar. 25, 1936	487	132	7	51	500	12	35	361
236	W.H. Morrow Estate	--	May 1, 1936	128	22	--	28	92	10	22	55
237	do.	41	do.	c/	108	5	--	195	14	49	291
238	R.F. Waldhauser	73	do.	574	156	10	46	219	19	234	431
239	Charles Hughes	100	do.	313	36	5	31	195	12	82	111
239a	do.	36	do.	428	80	5	31	293	14	102	221
240	J. J. Muhlstein	60	May 12, 1936	507	112	5	79	342	12	128	301
241	do.	160	do.	334	100	7	19	281	8	60	281
242	E. Columbus	36	May 1, 1936	c/	137	12	--	317	10	42	392
243	Albert Langenberg	36	do.	c/	256	5	--	384	24	108	660
244	R. A. Speis	56	do.	295	40	5	75	311	c/	20	121
245	Adolph Fertsch	33	do.	352	120	5	9	293	a/	72	321
245a	W.P.A. test well	21 ¹ / ₂	do.	292	76	3	14	250	a/	54	251
246	Mrs. A. Stanzel	75	Mar. 24, 1936	593	82	7	133	232	16	234	235
247	Bludau Estate	27	do.	420	38	--	31	403	10	40	220
248	Mrs. B. Claus	29	May 3, 1936	242	36	2	3	220	14	27	225
249	O. L. Menking	20	do.	302	80	4	34	305	14	18	215
250	Joe Pohl	35	Mar. 26, 1936	774	148	10	134	403	67	214	411
251	Louis Gerlich	40	Feb. 25, 1936	323	34	13	74	104	a/	150	137
252	W.P.A. test well	26	do.	303	19	--	99	110	20	110	50
253	Dan Turner	25	do.	398	140	8	--	51	a/	220	381
254	L. C. Menken	30	Mar. 13, 1936	999	112	15	242	134	93	470	342
255	City of Hallettsville	329	Feb. 21, 1936	830	32	13	272	305	96	265	131

a/ Sulfate less than 5 parts per million.

c/ Analysis incomplete, nitrates present.

Partial analyses of water from wells in Lavaca County, Texas

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as Ca CO ₃ (calculated)
255a	City of Hallettsville	480	Feb. 24, 1936	920	22	13	321	427	95	256	109
255b	do	412	Feb. 21, 1936	943	22	16	327	440	88	270	121
256	do	1,300	Feb. 24, 1936	861	92	136	57	840	a/	156	786
257	A.V.C. Moore	569	Mar. 3, 1936	1,419	12	-	328	415	78	320	29
259	Frank Drost, Sr. Est.	44	May 13, 1936	1,267	129	17	330	376	132	470	392
260	M. Fahenthold	39	May 14, 1936	663	236	7	a/	342	37	212	621
261	G. Gummert	73	May 13, 1936	729	129	12	133	207	12	340	372
262	George Stratman	79	May 14, 1936	726	103	3	167	354	47	224	291
263	E. Raab	50	do	539	136	7	65	403	a/	130	371
264	Frank Wojtek	25	May 13, 1936	697	132	9	207	403	24	325	361
265	F. Sheffer	50	May 14, 1936	1,232	169	19	266	159	67	630	502
266	M. G. Greenhaw	16	do	535	88	10	110	390	14	118	261
268	Mrs. R. Dusek	64	do	279	86	5	13	207	a/	70	241
269	C. W. Frazer	50	do	224	80	-	3	159	20	42	200
270	J. Hnatek	126	May 13, 1936	919	89	15	250	451	65	275	282
302	Mrs. J.A. Young	150	Feb. 25, 1936	471	48	15	112	165	32	162	162
303	County Farm	25	do	763	48	15	225	317	95	222	182
304	Frank Graf	25	Mar. 18, 1936	1,049	254	104	-	146	98	520	1,065
305	H. G. Tim	30	Mar. 13, 1936	1,486	333	42	161	140	a/	380	1,005
306	Mrs. Mary Grahmann	60	do	504	106	13	67	165	14	222	317
307	Willie Balzer	45	do	1,461	164	17	333	366	114	600	432
308	J. Pustejovsky	217	Mar. 20, 1936	802	113	19	170	354	33	290	362
309	John Drozd	113	do	726	152	24	94	342	a/	285	478
312	J. Shindler	87	do	858	128	7	203	151	20	275	351
313	Anton Henneka	80	Mar. 26, 1936	487	92	7	93	433	12	67	261
314	B. Reinstein	96	do	532	104	5	102	463	8	82	281
315	W. P. Parks	47	do	493	84	7	94	293	24	128	241
316	C. J. Fernu	97	do	265	60	7	37	250	a/	40	181
317	Jamie Judd	33	do	1,427	226	41	287	561	58	595	735
318	O. J. Woytek	40	do	2,030	298	46	412	561	194	830	936
319	W.P.A. test well	30 1/2	do	686	84	20	153	403	74	154	292
320	H. B. Botard	22	do	183	24	5	41	134	10	36	81
321	V. B. Gerdes Gin	211	May 6, 1936	532	61	12	153	403	39	116	202

a/ Sulphate less than 5 parts per million. c/ Analysis incomplete, nitrates present.

Partial analyses of water from wells in Lavaca County, Texas.

Well No.	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as Ca CO ₃ (calculated)	
322	W.M. Woytek	201	May 6, 1936	598	64	15	152	403	34	132	221
323	August Meyer	80	Mar. 26, 1936	818	121	27	157	366	30	300	413
325	Dan Underwood	120	May 6, 1936	268	48	7	76	220	a/	27	151
326	L.A. Sonntag	73	do	1,475	230	44	270	366	28	720	756
327	Val Schoot	97	do	6,767	838	299	1,244	256	478	3,780	3,326
328	Erncst Tesch	190	May 13, 1936	556	69	17	125	342	30	144	242
329	Annie Sonntag	110	May 6, 1936	893	193	24	116	427	12	335	583
331	H. Herring	30	Feb. 25, 1936	c/	65	12	-	73	30	44	212
332	W.P.A. test well	34 ¹ / ₂	May 4, 1936	207	16	5	74	49	78	70	61
333	Sam Kelly	20	Mar. 18, 1936	482	140	12	24	384	62	52	402
334	Otto A. Pohl	80	do	512	132	19	40	354	a/	144	407
336	H. McCrumb	52	May 4, 1936	354	92	-	46	256	12	76	23
337	Ernest Pohl	47	Mar. 18, 1936	406	136	5	17	415	a/	41	361
338	L. Matula	40	Mar. 20, 1936	191	32	13	34	97	a/	74	132
339	Albert Pohl	90	Mar. 18, 1936	434	100	19	43	317	a/	114	327
340	Howell Miller	32	May 4, 1936	488	132	10	43	378	14	100	371
341	D. T. Roddy	36	do	180	32	10	24	134	8	39	121
342	F. W. Neuhaus	60	do	110	24	2	15	73	12	21	70
343	J. M. Smith	33	do	517	137	22	31	378	10	128	433
344	G. K. Crabb Sr.	41	do	597	76	10	140	280	55	176	231
345	J. W. Koonce	73	do	403	76	5	76	305	12	82	211
346	F. M. Crabb	38	do	768	129	17	130	256	120	244	392
348	T. B. Coleman	43	May 5, 1936	1,659	371	51	174	147	a/	990	1,137
349	Mrs. Rose McFadden	84	do	631	89	12	141	268	a/	255	272
350	F. W. Thomas	55	do	854	119	27	174	256	24	385	398
351	Gas Morechko	102	do	565	93	15	102	147	a/	290	232
352	Sam Allen	90	do	312	54	10	55	195	a/	96	176
401	J.J. Lee	40	Mar. 5, 1936	2,918	235	100	715	73	242	1,590	998
402	W.P.A. test well	40	Mar. 16, 1936	76	13	3	13	61	a/	17	45
403	H. Lenzy	76	do	412	56	15	81	165	20	158	202
404	Sam Butler, Estate	60	do	255	68	13	15	268	a/	25	222
405	J. M. Kupka	150	Mar. 14, 1936	1,064	180	18	200	366	63	420	522
406	A. Jaresh	75	do	280	99	3	9	256	a/	50	260
407	Jno. Bujnoch	50	do	261	100	8	2	268	a/	46	281

a/ Sulphate less than 5 parts per million. c/ Analysis incomplete, nitrates present.

Partial analyses of water from wells in Lavaca County, Texas.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as Ca CO ₃ (calculated)
408	V. Schindler	68	Feb. 27, 1936	318	42	15	79	85	14	152	172
409	J. Smolik	78	do	548	64	10	123	73	93	222	201
410	R. J. Seiba	59	Feb. 25, 1936	405	60	8	73	73	28	200	191
411	Charles McElroy	54	do	621	100	15	115	220	41	240	312
412	Peter Buxtemper	114	do	180	28	10	29	128	a/	49	111
413	Alois Lorke Sr.	120	do	275	16	8	85	177	a/	78	71
414	S. A. Clark	90	do	336	12	10	109	207	12	90	72
415	Joseph Sykora	155	Mar. 12, 1936	318	32	8	82	171	23	88	111
416	C. M. Spears	65	Feb. 13, 1933	1,965	291	93	298	122	173	1,050	1,111
417	J. L. Livergood	26	Feb. 12, 1936	687	80	5	177	500	63	92	221
419	L. Mehla	50	Feb. 27, 1936	798	100	27	160	116	63	390	362
420	Victoria Ackermann	90	Feb. 14, 1936	354	52	13	70	207	a/	116	182
421	F. W. Neuhaus	71	do	250	52	5	41	213	a/	46	150
422	Paul Hermes	80	Feb. 24, 1936	360	20	15	100	146	12	140	112
423	G. McCord	68	Feb. 27, 1936	489	40	20	64	195	18	230	182
424	Ferd Wick	130	Feb. 24, 1936	218	24	5	59	213	a/	24	81
425	J. D. O'Neal	80	Mar. 12, 1936	1,534	226	47	280	171	66	830	750
426	Milton Gregory	45	Mar. 13, 1936	678	32	27	89	159	51	400	193
427	Mrs. J. M. Reagan	56	Feb. 12, 1936	322	104	10	1	140	15	122	301
428	Mrs. J. F. Koonce	120	do	763	37	22	220	256	136	220	183
428a	M. Gregory	56	Mar. 13, 1936	781	11	22	256	73	71	385	140
429	Marcus Schwartz	60	Feb. 20, 1936	331	53	34	25	183	12	116	272
430	B. A. Butts	86	do	1,822	133	57	468	147	211	880	563
431	Paul Hermes	74	Feb. 24, 1936	455	44	15	111	171	24	176	172
432	John Jurena	57	Feb. 14, 1936	651	41	18	180	134	75	270	175
433	J. O. Thigpen	55	Feb. 13, 1936	455	36	13	113	110	55	178	142
435	Joe Riggs	72	Feb. 27, 1936	204	56	5	16	134	a/	60	161
436	P. H. Hall	75	Feb. 13, 1936	394	42	8	103	171	a/	156	136
437	H. F. Windmeyer	70	do	442	23	25	115	146	a/	206	160
438	C. F. Castellow	99	do	401	50	22	76	207	a/	150	215
439	T. T. Show	65	Feb. 28, 1936	657	68	27	142	183	59	270	283
440	Julia McDonald	67	do	647	56	20	165	171	31	290	222
441	James Jetton	40	do	319	40	8	76	171	a/	110	131
442	Mrs. A.M. Hogan	72	do	288	60	42	212	146	71	420	375

a/ Sulphate less than 5 parts per million.

Partial analyses of water from wells in Lavaca County, Texas.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as Ca CO ₃ (calculated)
443	Mrs. M. Foxel	65	Feb. 28, 1933	6 ⁰⁰	50	37	161	128	51	335	280
444	Miss Lou Schneider	60	Feb. 13, 1936	1,569	313	47	66	408	129	810	976
445	J. C. Deborah	48	do	525	8	8	190	317	53	93	51
446	C. E. Munson	50	do	1,378	200	42	259	475	90	550	675
447	Ollie Castellow	75	Feb. 20, 1936	361	52	8	79	220	a/	112	166
448	Oscar Lampley	46	do	263	60	3	33	214	a/	55	181
449	J. C. Lampley	54	do	588	122	22	69	140	a/	305	395
450	R. L. Terry	90	do	1,250	54	27	384	256	152	505	246
451	Mrs. Lizzie Miller	72	do	409	28	13	56	317	20	134	123
452	S. W. Evans	49	do	357	28	15	91	183	16	116	132
453	do	27	do	152	12	8	40	140	a/	22	61
454	Grover Haynes	73	Mar. 16, 1936	2,835	508	71	411	281	205	1,500	1,564
456	L. E. Debord	101	Feb. 26, 1936	397	48	13	94	281	a/	102	172
457	Lee Debord	90	Feb. 20, 1936	372	114	10	11	122	a/	176	326
458	T. A. Thigpen	108	Mar. 13, 1936	453	48	13	102	195	28	160	192
459	W. H. Castellow	85	Mar. 16, 1936	799	142	23	134	390	30	275	448
460	W. T. Reagan Gin	152	Feb. 12, 1936	888	169	27	127	110	a/	510	533
461	County School	56	Mar. 12, 1936	2,662	381	42	540	134	302	1,330	1,125
462	E. A. Turk	85	do	575	92	22	90	86	32	295	323
463	W. T. Reagan	107	do	592	60	15	146	232	51	204	212
464	J. Honesh	30	Mar. 17, 1936	600	92	15	122	354	18	176	292
465	J. R. McClure	38	Mar. 16, 1936	1,276	194	40	228	281	134	550	650
466	B. Klimichek	135	Mar. 20, 1936	473	76	8	104	403	a/	34	221
467	H. Pohl	49	do	163	60	8	-	49	17	54	181
468	G. Smothers	60	do	1,236	236	27	204	446	66	470	703
469	I. Gorman	56	Mar. 16, 1936	623	104	8	127	342	37	170	231
470	A. J. Maddox	50	do	708	140	13	116	390	16	228	402
471	do	52	do	1,253	153	15	297	440	233	345	443
472	G. Cranz	70	Mar. 17, 1936	1,703	342	51	222	330	78	850	1,064
473	J. C. Hunt	70	do	246	72	8	15	256	a/	25	212
475	T. R. Roden	65	do	1,825	344	26	304	378	102	860	965
476	L. Carroll	50	Feb. 28, 1936	498	26	15	145	146	83	156	127
477	W. B. Fitzhenry	68	do	2,344	359	79	397	171	234	1,190	1,197
478	W.P.A. test well	37½	Mar. 10, 1936	639	85	15	149	79	20	375	292
479	J. H. Marshall	61	do	665	104	35	96	171	35	310	405

a/ Sulphate less than 5 cent. per million

Partial analyses of water from wells in Lavaca County, Texas.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate Sulphate (HCO ₃) (SO ₄)	Chloride (Cl)	Total hardness as Ca CO ₃ (calculated)	
480	Mrs. S. J. Rose	86	Mar. 10, 1936	222	72	18	-	67	a/	100	252
481	G. Hamman	52	do	440	28	33	96	146	14	196	204
482	G. H. Nolen	80	Feb. 28, 1936	1,711	172	69	367	159	164	860	713
483	R. J. Daggs	40	do	1,841	325	57	252	220	137	940	1,098
484	Mrs. O.M. Williams	79	Mar. 10, 1936	249	28	8	60	146	a/	80	101
485	J. W. Ewers	52	do	423	24	22	111	232	16	134	153
486	S. A. Smith	75	Feb. 10, 1936	520	32	13	152	244	59	142	132
487	Charley Frank	65	Feb. 28, 1936	588	64	41	100	183	47	245	327
488	L. Smolka	90	Mar. 6, 1936	506	84	31	86	73	74	275	338
489	J. H. Frank	78	do	905	50	44	230	171	86	410	305
490	Mrs. E. Strobel	76	Mar. 10, 1936	801	58	46	129	122	117	350	435
491	O. Borchers	80	Mar. 6, 1936	2,938	353	75	628	116	304	1,520	1,188
492	T. W. Nickel	116	do	700	40	23	188	134	117	265	196

a/ Sulphate less than 5 parts per million.

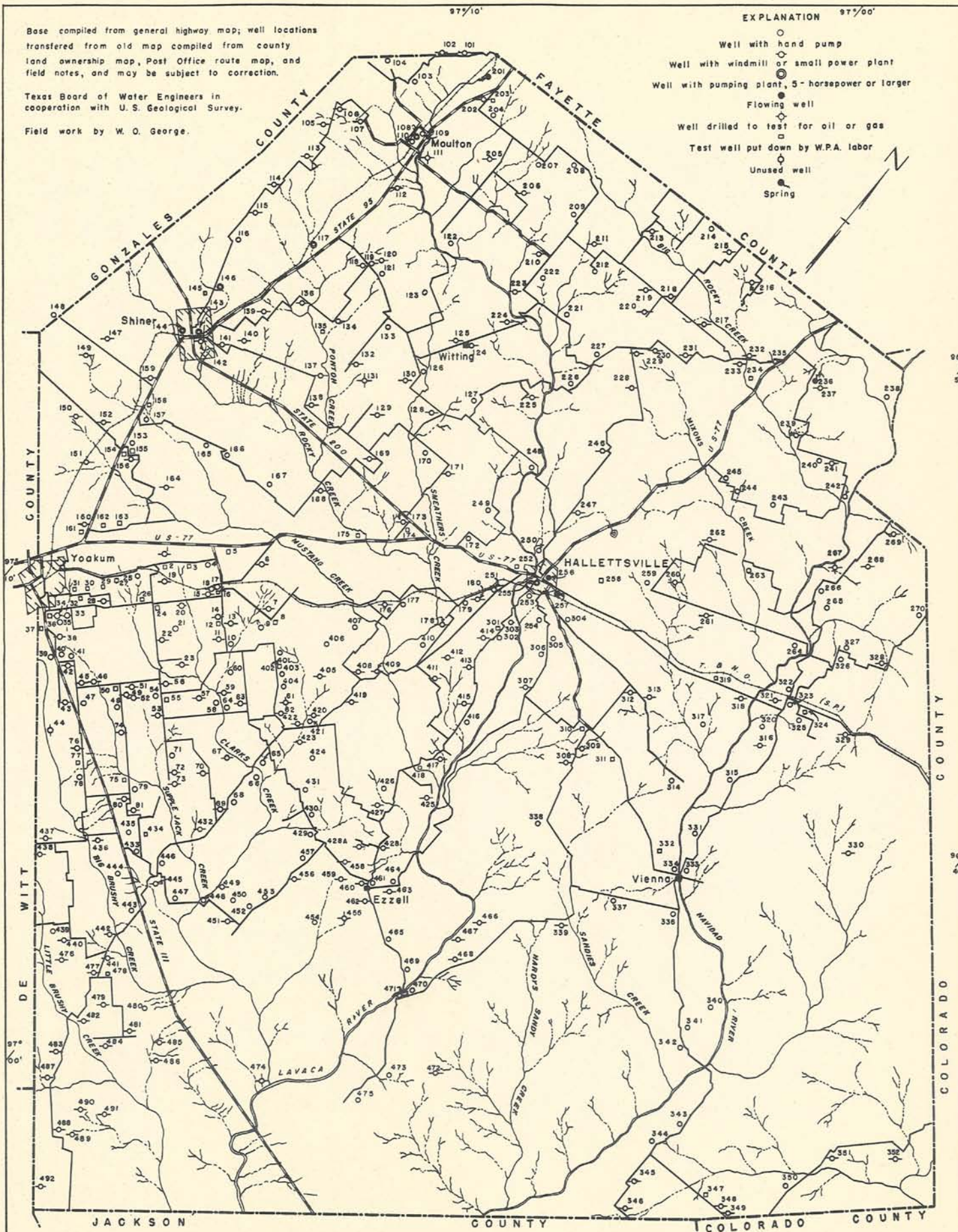
Base compiled from general highway map; well locations transferred from old map compiled from county land ownership map, Post Office route map, and field notes, and may be subject to correction.

Texas Board of Water Engineers in cooperation with U.S. Geological Survey.

Field work by W. O. George.

EXPLANATION 97°00'

- Well with hand pump
- Well with windmill or small power plant
- Well with pumping plant, 5-horsepower or larger
- Well with flowing water
- Well drilled to test for oil or gas
- Test well put down by W.P.A. labor
- Unused well
- Spring



MAP OF LAVACA COUNTY, TEXAS SHOWING WATER WELLS

0 1 2 3 4 5 MILES