

# WHARTON COUNTY. TEXAS

Records of wells, driller's logs,  
water analyses, and map  
showing location of wells.

## TEXAS STATE BOARD OF WATER ENGINEERS

C. S. Clark, Chairman

A. H. Dunlap, Member

J. W. Pritchett, Member

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

## CONTENTS

	Page
Introduction . . . . .	1
Records of wells . . . . .	3
Drillers' logs . . . . .	37
Results of field tests of well waters . . . . .	44
Analyses of well waters . . . . .	45

## ILLUSTRATION

Map of Wharton County, Texas, showing water wells . . . . .	53
---	----

# WHARTON COUNTY, TEXAS

\* \* \*

## Introduction

By

G. H. Cromack

Ground-Water Hydrologist

Texas State Board of Water Engineers

This release contains records of wells and pumping plants and the amount of land irrigated from wells in Wharton County, Texas, together with tables of well logs and well water analyses, and a map on which the wells listed are shown, each well being given a number on the map corresponding to the number assigned to it in the tables. A part of these records was obtained in the spring of 1934 by T. W. Bridges under an allocation of funds by the Federal Emergency Administration of Public Works, but most of them were obtained in the summer of 1940 by the writer. The work both in 1934 and 1940 was carried out as a part of a statewide program of ground-water investigations by the Texas Board of Water Engineers in cooperation with the United States Department of the Interior, Geological Survey. The data obtained in 1934 were compiled and released in 1935 in the form of photostatic copies.

Wharton County is the leading rice-producing county in Texas, and according to the Texas Almanac for 1939-40, published by the Dallas Morning News, its sulphur deposits are the largest known in the world. The production of petroleum in the county is likewise important. All these industries use large quantities of ground water.

Irrigation of rice from wells started in Wharton County about 1900. It is reported that the maximum production was reached in 1919 and 1920 when around 30,000 acres were irrigated either with surface water or from wells. According to records of the United States Department of Agriculture, 16,700 acres were planted to rice in Wharton County in 1935, and the acreage gradually was increased during the succeeding years and in 1939 amounted to 19,700 acres. The total withdrawal of ground water for irrigation of rice during 1939 is estimated to have been about 30,000 acre feet. Most of the rice wells are located in the western part of the county, in the vicinities of Hahn, Louise, El Campo and Danevang. The wells range in depth from 150 to 500 feet and yield from about 500 to about 2,000 gallons a minute each. The pumping season averages about 100 days.

About one and one-half billion gallons of well water, or about 4,600 acre-feet, were used during the year in conjunction with the production of sulphur, according to records of the three operating sulphur companies in the county. The water was pumped from 14 wells.

Oil production on a large scale was started in 1933 and there were 436 producing oil wells in the county in September, 1940 according to the records of the Texas Railroad Commission. It is reported that 1,000,000 gallons of water are necessary to drill an average oil well. Most of the water used for this purpose in the county has come from wells.

It is estimated that the combined withdrawals from wells for public water supplies and ice manufacturing at Wharton, El Campo, and Boling, average above 230,000,000 gallons a year, or 706 acre-feet.

Since the spring of 1934, periodic measurements of water levels have been made in selected wells in different parts of the county. These records indicate that there has been no material net change in water levels in either the shallow wells or the deep wells.

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

The publication was mimeographed by employees of the Work Projects Administration Project No. 10443.

Records of wells in Wharton County, Texas

Measuring point was usually top of casing, base of pump or end of discharge pipe.

Well	Distance from Hahn	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
1	11 miles west	Bob Ragsdale	Otto Mickelson	1928	155	18, 12	155	0.5
2	10½ miles west	Ike Spencer	do.	1928	323	24, 12	323	0
3	11 miles west	L. R. Sublett	do.	1927	175	16	175	--
4	9 miles southwest	Commercial State Bank	do.	1925	196	24, 12	--	0
5	11 miles southwest	L. R. Sublett	Wm. Thomas	1927	165	24, 10	--	--
6	7½ miles southwest	E. Haws Est.	do.	1917	286	24, 12	286	0
7	6 miles south	Mike Wright	Otto Mickelson	1927	202	24, 12	202	--
8	6 miles southwest	Lester Glaze	do.	1912	200	24, 9-5/8	--	0
9	4½ miles southwest	J. L. Myatt	Wm. Thomas	1918	216	24, 10	--	0
10	2½ miles west	Richard Meeks	Otto Mickelson	1928	255	24, 12	255	--
11	4¼ miles northwest	F. Adams Est.	Pat Smidt	--	250+	24, 10	--	0
12	2¼ miles north	Geo. Raun	Otto Mickelson	1920	261	24, 12	261	0
13	6½ miles north	Joe Kubesch	Joe Kubesch	1908	46	36	46	--
14	5½ miles north	P. H. Schoenfield	H. Svoboda	1931	64	6	--	--
15	7 miles northeast	Joe A. Wilson	Otto Mickelson	1940	116	18, 16	116	--
16	6½ miles northeast	Geo. Wilson	do.	1940	243	20, 16, 12	243	--
17	7 miles northeast	Elsie Ranch	do.	1926	243	24, 12	243	--

a/ T, turbine; Cf, centrifugal; A, air; Gl, gas lift; C, cylinder; E, electric; D, diesel or semi-diesel; G, gasoline (usually an automobile engine); O, oil; Ng, natural gas; Tr, tractor; W, windmill; H, hand. Number indicates horsepower.

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

Records obtained by T. W. Bridges and G. H. Cromack  
 All wells are drilled unless otherwise indicated in "Remarks" column)

No.	Water level		Method of lift and power 1939	Estimated yield (g.p.m.)	Use of water 1939	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
1	37.49	May 27, 1940	C,W	800	S	--	Casing: 90 feet of 18-inch partially screened; 65 feet of 12-inch screen. Formerly used for
2	36.51	do.	--	1,100	N	--	Casing: 66 feet of irrigation. 24-inch. Screens set at 66 to 105 125 to 178, 189 to 214, 247 to 289 301 acres and 305 to 323 feet. irrigated in 1939 from this well and well 5. Screens set at 40 to 100 and 131 to 175 feet. Temperature 73° F.
3	--	--	T,E, 30	1,095 c/	I	--	Temperature 73° F.
4	38.9	Aug. 30, 1935	T,D, 50	--	I	181	Temperature 73° F.
	37.99	Mar. 7, 1940					
5	--	--	T,E, 30	700	S,I	--	Dr.
6	36.5	May 31, 1940	--	1,200	N	--	Casing: 65 feet of 24-inch. Reported, in 1940, no irrigation since 1926.
	35.90	May 25, 1940					
7	--	--	T,G, 35	--	I	--	Casing: 58 feet of 24-inch. Screens set at 58 to 79, 91 to 101, 106 to 146 and 163 to 202 feet.
8	37.12	Aug. 30, 1935	T,E, 30	1,800	I	112	feet.
	36.96	Mar. 7, 1940					
9	33 d/	Apr. --, 1940	T,Tr, 32	1,250	I	72	
10	--	--	T,G, 75	2,500	I	243	Casing: 68 feet of 24-inch. Screens set at 73 to 133, 143 to 203, 215 to 235 and 245 to 255
11	41.60	May 31, 1940	T,D, 40	--	I	140	feet.
12	37 d/	Feb. --, 1934	T,D, 60	1,350	I	--	Casing: 68 feet of 24-inch. Stand by well.
13	--	--	C,W	--	D,S	--	Dug; brick casing.
14	--	--	C,W	--	D,S	--	
15	--	--	T,G, 40	2,000	I	--	Casing: 80 feet of 18-inch. Screens set at 60 to 80 and 82 to
16	--	--	T,D, 100	2,500	I	--	Casing: 73 feet of 116 feet. e/ 20-inch. Screen set at 58 to 243
17	--	--	T,O, 85	--	I	200	Casing: 64 feet of 24- feet. e/ inch. Screens set at 107 to 137 and 183 to 243 feet.

c/ Yield measured in 1940.

d/ Water level reported by owner or driller.

e/ Log of well in tables of drillers' logs.

## Records of wells in Wharton County--Continued

Well	Distance from Hahn	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
18	7½ miles northeast	Elsie Ranch	Otto Mickelson	1926	221	24, 12	221	--
19	5½ miles north	Knude Fredrickson	do.	1940	97	18, 16	97	--
20	4¼ miles northwest	F. Adams Est.	Pat Smidt	1926	146	20, 12	146	--
21	6½ miles west	-- Slessinger	do.	1924	112	24, 12	112	0
22	5½ miles west	Dr. -- Waugh	do.	1926	108	24, 12	108	0
23	10½ miles west	Bob Ragsdale	Otto Mickelson	1928	175	24, 12	175	2.1
24	9 miles southwest	Mrs. E. H. Koch	Wm. Thomas	1913	275	24, 12	275	--
25	8½ miles southwest	Geo. Raun	do.	1922	275	24, 12	275	0
26	do.	E. Haws Est.	do.	1922	260	24, 12	260	0
27	7 miles southwest	Kelley Est.	do.	1918	210	24, 12	210	3.6
28	do.	E. Haws Est.	do.	1922	260	24, 12	260	--
29	7½ miles southwest	Ralph Stockton	do.	1922	260	24, 12	260	0
30	5 miles south	Bergstrom Bros.	do.	1920	356	24, 12	--	4.0
31	7 miles south	Tom Thomas	do.	1910	310	24, 10	--	1.0
32	4 miles south	Harfst Bros.	Otto Mickelson	1915	282	24, 10	--	1.0
33	1¼ miles east	do.	do.	1917	285	24, 10	--	1.0
34	4 miles east	J. Heyne	--	1998	60+	--	--	--
35	3½ miles northeast	Taiton Gin	Merta Bros.	1932	48	5	--	--
36	6 miles northeast	F. R. Amman	do.	1925	55	6	--	--
37	5½ miles northeast	C. A. Schumaker	C. A. Schumaker	1920	65	5	--	--
38	4½ miles north	Ben Socolofsky	Charley Mickelson	1915	200+	24, 9-5/8	--	4.0

No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
18	--	--	T,D, 75	--	I	205	Casing: 69 feet of 24-inch. Screens set at 106 to 135 and 161
19	--	--	T,G, 35	--	I	--	Casing: 75 feet of 18-inch. Screen set at 55 to 97
20	--	--	T,D, 40	--	N	--	Casing: 60 feet of 20-inch. Screen set at 60 to 146 feet. Gravel reported from 43 to 146
21	32.66	June 1, 1940	--	1,220	N	--	Casing: 55 feet of 24-inch. Screens set at 55 to 75 and 83 to 112 feet. Reported, in 1940, no irrigation for several
22	31.36	do.	--	1,180	N	--	Casing: 50 feet of 24-inch. Screen set at 50 to 108 feet. Reported, in 1940, no irrigation since 1931.
23	41.17	May 27, 1940	--	--	N	--	Casing: 68 feet of 24-inch. Screen set at 68 to 175 feet. Reported, in 1940, no irrigation since 1930.
24	--	--	T,Tr, 40	1,110 c/	I	250	
25	38 d/	Nov. --, 1938	T,D, 95	1,975 c/	D,I	210	Casing: 32 feet of 24-inch; 40 feet of 24-inch screen.
26	42 d/	Feb. --, 1935	T,D, 65	1,815 c/	D,I	347	Casing: 65 feet of 24-inch.
27	40.47	May 31, 1940	T,E, 65	--	N	--	Casing: 60 feet of 24-inch. Reported, in 1940, no irrigation since 1938.
28	--	--	--	1,260 c/	N	--	
29	31.38	May 25, 1940	T,D, 65	--	I	120	
30	35.54	May 31, 1940	T,G, 60	1,200	I	--	165 acres irrigated in 1939 from this well and well 277.
31	30.05	June 1, 1934	T,G, 50	1,500	I	172	
	27.40	Mar. 7, 1940					
32	35.02	June 6, 1934	T,-, --	1,800	N	--	
	31.57	Mar. 7, 1940					
33	43.58	June 2, 1934	T,E, 60	--	N	--	
	39.17	Mar. 7, 1940					
34	--	--	C,W	--	D,S	--	
35	--	--	C,H,G, 1/2	--	D,S, Ind	--	
36	--	--	C,W	--	D,S	--	
37	--	--	C,W	--	D,S	--	
38	43.45	May 31, 1940	T,Tr, 40	--	I	165	



Records of wells in Wharton County--Continued

Well	Distance from Hahn	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
39	3½ miles north	Ben Socolofsky	Pat Smidt	1916	160	24, 10	--	1.0
40	3½ miles north	do.	Otto Mickelson	1916	248	24, 10	--	0
41	3½ miles north	Geo. Raun	Charley Mickelson	1917	172	24, 10	172	0
42	3 miles north	T. T. Duncan	do.	1913	260	24, 12	260	--
43	2½ miles west	Russel Raun	do.	1935	275	18, 12, 10	275	0
44	1½ miles northwest	J. W. Davis	--	Old	150	24, 9-5/8	--	--
45	1¾ miles northwest	B. F. Wiley	-- Stancliff	1909	125	24, 8	--	--
46	2 miles northwest	B. T. Clark	do.	1909	125	24, 9-5/8	--	--
47	2¾ miles northwest	J. O. L. Carmody Est.	do.	Old	120	24, --	--	1.0
48	2½ miles west	Lloyd Slessinger	do.	1909	138	24, 9-5/8	--	1.0
49	2 miles west	Urban Wendel	K. H. Payne	1926	280	24, 12	--	--

Well	Distance from Glen Flora	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
50	6½ miles northwest	P. Krueger	P. Krueger	1914	36	--	--	--
51	4½ miles northwest	G. H. Northington	--	--	200+	--	--	--
52	4 miles northwest	Duncan Brs.	--	1924	80+	2	--	--
53	2¼ miles northwest	G. Boyle	--	--	60+	2	--	--
54	¼ mile northwest	Glen Flora Gin	D. H. Treadway	1924	380	4	--	--
55	½ mile south	John Dcrman	Winston Read	1909	140	2	--	--
56	In Glen Flora	N. P. Read	--	--	280	3	--	--
57	3¼ miles north	W. A. Harrison	--	Old	20	24	--	--

a/ T, turbine; Cf, centrifugal; A, air; Gl, gas lift; C, cylinder; E, electric; D, diesel or semi-diesel; G, gasoline (usually an automobile engine); O, oil; Ng, natural gas; Tr, tractor; W, windmill; H, hand. Number indicates horsepower.

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

No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
39	43.86	May 31, 1940	--	--	N	--	Casing: 60 feet of 24-inch. Formerly used for irrigation.
40	44.10	do.	--	--	N	--	Do.
41	38 d/	Feb. --, 1938	T,D, 40	--	I	160	Casing: 60 feet of 24-inch. Screens set at 60 to 70 and 88 to
42	--	--	T,D, 100	1,545 c/	I	--	Casing: 70 feet 172 feet. e/ of 24-inch. 246 acres irrigated in 1939 from this well and well 7.
43	42 d/	May --, 1940	T,D, 90	2,100	I	251	Casing: 74 feet of 18-inch, partially screened; 186 feet of 12-inch, partially screened; 40 feet of 10-inch screen.
44	--	--	--	--	N	--	Formerly used for irrigation.
45	--	--	T,--, --	--	N	--	Reported, in 1940, no irrigation since 1932.
46	--	--	T,E, 50	--	I	142	Casing: 50 feet of 24-inch.
47	38.58	May 31, 1940	C,W	--	N	--	Reported, in 1940, no irrigation since 1915.
48	41.31	do.	--	--	N	--	Casing: 40 feet of 24-inch. Formerly used for irrigation.
49	--	--	T,E, 30	--	I	230	Casing: 60 feet of 24-inch.

No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
50	--	--	C,W	--	D,S	--	
51	--	--	C,E, 1 1/2	--	D,S	--	
52	--	--	C,W	--	D,S	--	
53	--	--	C,W	--	D,S	--	
54	--	--	C,E, --	--	D,S, Ind	--	Pumpage reported 2,000,000 gallons a year.
55	--	--	C,E, 1/2	--	D,S	--	
56	--	--	C,E, 2 1/2	--	D,S,P	--	
57	18.5	Feb. 27, 1934	H	--	D,S	--	Dug.

c/ Yield measured in 1940.

d/ Water level reported by owner or driller.

e/ Log of well in tables of drillers' logs.

Records of wells in Wharton County--Continued

Well	Distance from Glen Flora	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
58	1 $\frac{3}{4}$ miles northeast	Dr. L. Logue	--	1939	44	2	44	--
59	5 miles northeast	Lillie Jefferson	--	1910	42	2	42	0
60	7 $\frac{1}{2}$ miles northeast	Lora Hudgins	--	1916	45	2	45	0
61	3 $\frac{3}{4}$ miles west	Julius E. Heyne	Guy Jones	1939	35+	2	35+	--
62	6 miles northwest	D. R. Gaylor	--	--	69	2	69	--
63	8 $\frac{1}{2}$ miles northwest	G.C.& S.F. R.R.	--	--	--	--	--	--
64	8 miles northwest	Carl Reynolds	Sam Golden	--	60+	2	60+	--
65	10 miles northwest	Dave H. Hall	--	1930	40+	2	40+	--
66	11 miles northwest	J. J. Pendegrass	--	Old	65	24, 6, 2	65	1.0
67	11 $\frac{1}{2}$ miles northwest	Willis Blackwell	--	Old	40	2	40	--

Well	Distance from East Bernard	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
68	2 $\frac{1}{2}$ miles west	J. J. Vacek	--	Old	65+	24, --	--	.5
69	do.	do.	--	Old	65+	24, --	--	1.4
70	do.	do.	Joe Srubar	1903	65+	8	65+	0
71	do.	J. K. Kuban	Joe Sommer	1931	140	2	140	--
72	In East Bernard	J. G. Leverage	John Srubar	1928	160	2	160	--
73	do.	J. Hlavinka	do.	1922	34	8	--	--
74	1 $\frac{1}{2}$ miles south	F. Bilicek	--	1918	75+	--	--	--
75	3 $\frac{1}{4}$ miles south	R. Bratcher	John Srubar	1927	198	2	198	--
76	In East Bernard	G.H.& H. R.R.	--	--	423	6	--	--

a/ T, turbine; Cf, centrifugal; A, air; Gl, gas lift; C, cylinder; E, electric; D, diesel or semi-diesel; G, gasoline (usually an automobile engine); O, oil; Ng, natural gas; Tr, tractor; W, windmill; H, hand. Number indicates horsepower.  
 b/ I, irrigation; P, public; Ind, industrial; RR, railroad; D, domestic; S, stock; N, not used.

No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point	Date of measurement					
58	--	--	C,W	--	D,S	--	
59	23 d/	Mar. --, 1940	C,H	--	D,S	--	
60	10 d/	Oct. --, 1939	C,H	--	D,S	--	
61	--	--	C,H,W	--	D,S	--	
62	--	--	C,H	--	D,S	--	
63	--	--	--	--	D,RR	--	Pumpage reported 30,000 gallons a week.
64	--	--	C,W	--	S	--	
65	--	--	C,H	--	D,S	--	
66	28.41	Apr. 20, 1940	C,W,G, $\frac{1}{2}$	--	D,S	--	
67	--	--	C,W	--	D,S	--	
No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
68	15.82	Aug. 30, 1935	--	--	N	--	Formerly used for irrigation.
	14.19	Mar. 11, 1940					
69	14.74	Aug. 30, 1935	--	--	N	--	Do.
	15.09	Mar. 11, 1940					
70	17.4	Feb. 16, 1934	C,W	--	N	--	
71	--	--	C,W	--	D,S	--	Formerly 65 feet deep. Deepened in 1939.
72	--	--	C,W	--	D,S	--	
73	--	--	C,W	--	D,S	--	
74	--	--	C,W	--	D,S	--	
75	--	--	C,W	--	D,S	--	
76	--	--	--	--	N	--	Reported formerly supplied 48,000 gallons a day for railroad use.

c/ Yield measured in 1940.

d/ Water level reported by owner or driller.

e/ Log of well in tables of drillers' logs.

Records of wells in Wharton County--Continued

Well	Distance from East Bernard	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
77	3 $\frac{3}{4}$ miles northwest	Gus Semkel	--	1925	110	2	110	--
78	7 miles northwest	Louis Sklar	--	1932	30 $\pm$	2	30 $\pm$	--
79	9 $\frac{1}{2}$ miles northwest	E. C. Cassady	E. C. Cassady	1926	50 $\pm$	2	50 $\pm$	0
80	12 miles west	Dr. -- Rogers	--	Old	40 $\pm$	2	40 $\pm$	--
81	9 miles west	Wm. J. Corman	--	1910	45	6	45	1.0
82	7 miles west	Clem Boettcher	--	Old	50	72, 8	50	--
83	5 miles west	Tom A. Smith	Tom A. Smith	1920	50	2	50	0
84	do.	Fred Fotjek	--	1929	60	60, --	--	0
85	4 $\frac{3}{4}$ miles west	Ray Jochetz	--	1929	50	72, 4	50	0
86	4 $\frac{1}{2}$ miles west	do.	Ray Jochetz	Old	150	24, 8	150	0
87	4 $\frac{1}{4}$ miles west	do.	--	Old	50	72, --	--	--
88	3 $\frac{3}{4}$ miles southwest	Boettcher & Jones	--	1910	28	1 $\frac{1}{2}$	28	0
89	5 $\frac{1}{2}$ miles southwest	Will Border	--	Old	42	2	42	--

Well	Distance from Wharton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
90	9 miles north	Mattie Bruss	--	--	60 $\pm$	2	60 $\pm$	--
91	9 $\frac{1}{2}$ miles northeast	S. H. Dodson	-- Dillard	--	85	2	85	--
92	do.	A. L. Jones	Sam Golden	1922	56	2	56	--
93	do.	Mrs. M. E. Lum	do.	1926	66	2	66	--
94	7 $\frac{1}{2}$ miles northeast	Mrs. F. B. Bartee	do.	1922	45	2	45	--
95	8 miles northeast	Watt Shelton	--	--	28	2	28	--
96	7 $\frac{1}{2}$ miles north	Frank Bucek	-- Cockrell	1896	38	18	38	1.5

a/ T, turbine; Cf, centrifugal; A, air; Gl, gas lift; C, cylinder; E, electric; D, diesel or semi-diesel; G, gasline (usually an automobile engine); O, oil; Ng, natural gas; Tr, tractor; W, windmill; H, hand. Number indicates horsepower.

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

No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
77	--	--	C,W	--	D,S	--	Water reported in gravel.
78	--	--	C,W	--	D,S	--	
79	25 d/	Apr. --, 1940	C,W	--	D,S	--	
80	--	--	C,H	--	S	--	
81	26.67	Apr. 19, 1940	C, <sup>e</sup>	--	D,S	--	
82	--	--	Cf,G, 20	--	I	75	Dug to 30 feet; wood casing.
83	30 d/	Apr. --, 1940	C,W,G, 1 1/2	--	D,S	--	Water struck above red clay.
84	24.68	Apr. 17, 1940	Cf,G, 15	--	I	45	Dug to 30 feet; wood casing.
85	30 d/	Fall 1939	Cf,E, 15	--	I	75	Do.
86	30 d/	Apr. --, 1940	T,E, 25	--	N	--	Casing: 40 feet of 24-inch. Formerly used for irrigation.
87	--	--	Cf,E, 15	--	N	--	Dug to 30 feet; wood casing. Formerly used for irrigation.
88	24	Apr. --, 1940	C,H	--	D,S	--	
89	--	--	C,H	--	D,S	--	
No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
90	--	--	C,H	--	D,S	--	
91	--	--	C,H	--	D,S	--	
92	--	--	C,H	--	D,S	--	
93	--	--	C,H	--	D,S	--	
94	--	--	C,H	--	D,S	--	
95	--	--	C,H	--	D,S	--	
96	23.85	Feb. 14, 1934	C,W	--	D,S	--	Concrete curb and casing.
	24.69	Mar. 11, 1940					

c/ Yield measured in 1940.

d/ Water level reported by owner or driller.

e/ Log of well in tables of drillers' logs.

## Records of wells in Wharton County--Continued

Well	Distance from Wharton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
97	6 miles north	Farmer's Gin	--	---	210	2	210	--
98	5 $\frac{1}{2}$ miles north	J. D. Hudgins	H. D. Treadway	1925	50 $^+$	2	50 $^+$	--
99	4 $\frac{1}{2}$ miles north	R. H. D. Sorrell	R. H. D. Sorrell	1908	50	2	50	0
100	do.	Louis Macha	Louis Macha	1933	72	2, $\frac{1}{2}$	72	--
101	3 $\frac{1}{2}$ miles north	E. Shulder	E. Shulder	--	25	30	25	2.0
102	5 $\frac{1}{2}$ miles northeast	Julia Stafford	Sam Golden	1922	32	2	32	--
103	5 $\frac{1}{2}$ miles east	A. J. May	Steve Luchak	1919	201	2	201	--
104	3 $\frac{3}{4}$ miles east	J. F. Meyer	do.	1928	70	2	70	--
105	4 $\frac{1}{4}$ miles southeast	John Roten	do.	1933	58	2	58	--
106	2 miles southeast	A. Maddox	Sam Golden	1923	75	2	75	--
107	1 mile east	Laura Stewart	-- Russell	1932	42 $^+$	2	42 $^+$	--
108	In Wharton	City of Wharton	McMasters & Pcmeroy	1926	940 $^+$	--	--	2.0
109	do.	do.	Layne-Texas	1931	413	16, 12	393	0
110	2 miles southwest	F. F. Damon	F. F. Damon	--	52	2	52	--
111	1 $\frac{1}{2}$ miles west	Pierce Est.	Steve Luchak	1932	85	2	85	--
112	2 $\frac{3}{4}$ miles northwest	R. H. D. Surrell	--	1914	42	2	42	--
113	4 $\frac{1}{4}$ miles northwest	Sorrell School	Sam Golden	1934	45	2	45	--
114	5 $\frac{1}{2}$ miles west	Geo. Slaughter	Martin Wilbeck	--	65	2	65	--
115	3 $\frac{1}{2}$ miles southwest	A. P. Borden	Frank Borden	1921	40	2	40	--
116	5 miles southwest	do.	Gulf Prod. Co.	1926	4,050	--	--	0
117	7 miles southwest	Pierce Est.	--	1894	1,138 $^+$	--	--	--
118	7 $\frac{1}{2}$ miles southwest	Pierce Est.- The Texas Co.	Luther Patterson	1935	218	6	214	--
119	1 $\frac{1}{2}$ miles north	L. P. Tabor	E. A. Merten	1936	46	2	46	0

No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
97	--	--	C,E, 1	--	D,S, Ind	--	
98	--	--	C,W	--	D,S	--	
99	Flows	May 2, 1934	--	--	S	--	
100	--	--	C,H	--	D,S	--	
101	14.58	Feb. 14, 1934	H,-	--	D,S	--	Dug; wood casing.
102	--	--	C,H	--	D,S	--	
103	--	--	C,W	--	D,S	--	
104	--	--	C,G, --	--	D,S	--	
105	--	--	C,H,G, --	--	D,S	--	
106	--	--	C,H	--	D,S	--	
107	--	--	C,H	--	D,S	--	
108	22.8	Feb. 13, 1934	T,E, 40	675	P	--	Used in conjunction with well 109 for Wharton city water supply.
	25.01	Mar. 11, 1940					
109	26.65	June 4, 1934	T,E, 75	800	P	--	Casing: 160 feet of 16-inch; 253 feet of 12-inch. Screens set at 212 to 222, 278 to 299, 311 to 333 and 350 to 393 feet. e/
110	--	--	C,W,G, --	--	D,S	--	
111	--	--	C,W	--	D,S	--	
112	--	--	C,W	--	D,S	--	
113	--	--	C,H	--	P	--	Water level in abandoned well 30 feet north was 23.5 below ground
114	--	--	C,W	--	D,S	--	on Feb. 19, 1934.
115	--	--	C,E, --	--	D,S	--	
116	Flows +4.66	May 17, 1934	--	--	D,S	--	Drilled to 4,050 as oil test then plugged back to 1,300 feet. Screer set at 1.250 to 1,300 feet. Ten-
117	Flows	Mar. 2, 1934	--	--	D,S	--	Alexander temperature 80° F. a/ Deussen reported well drilled to 1,506 feet then plugged back to
118	--	--	T,E, 15	350	P	--	Supplies camp. 1,138± feet. Screen set at 191 to 214 feet. Reported pumpage. 3,750,000 gallons
119	12 d/	Jan. --, 1940	C,E, 1/2	--	D,S	--	a year. e/



## Records of wells in Wharton County--Continued

Well	Distance from Wharton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
120	3 $\frac{1}{4}$ miles north	Hallie Godfrey	--	1921	40 $\pm$	2	40 $\pm$	--
121	6 miles north	W. M. Border	--	1912	208	2	208	0
122	12 miles south	Pierce Est.- The Texas Co.	Luther Patterson	1936	314	7	301	0
123	10 $\frac{1}{2}$ miles south	do.	do.	1939	302	5	302	0
124	11 $\frac{1}{2}$ miles south	do.	do.	1938	520	7, 6-5/8	520	0
125	10 $\frac{1}{2}$ miles south	do.	do.	1937	385	8-5/8	385	0
126	11 miles south	do.	do.	1935	267	7	267	0
127	10 $\frac{1}{2}$ miles south	do.	do.	1936	414	7, 5	414	0
128	12 miles south	do.	Ferguson Oil Co.	1940	162	5	162	0
129	11 $\frac{1}{2}$ miles south	A. C. Thompson	Douglas Martin	1939	21	2	21	0

Well	Distance from El Campo	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
130	5 $\frac{1}{2}$ miles north	Joe Peterka	--	1931	41	--	--	--
131	5 $\frac{1}{2}$ miles northwest	Floyd Aopling	--	--	40 $\pm$	2	40 $\pm$	--
132	3 $\frac{1}{2}$ miles northeast	Conway Boston	--	1928	40	1 $\frac{1}{2}$	40	--
133	3 $\frac{3}{4}$ miles northeast	W. O. Anderson	Otto Mickelson	1914	331	24, 9-5/8	331	--
134	5 miles east	Ervin Brod	John Madden	1928	60 $\pm$	1 $\frac{1}{2}$	60 $\pm$	--
135	2 $\frac{1}{2}$ miles northeast	N. L. Franke	N. L. Franke	1926	32	2	32	--
136	2 miles north	J. E. Turner	Otto Mickelson	1917	160	24, 10	160	--

a/ T, turbine; Cf, centrifugal; A, air; Gl, gas lift; C, cylinder; E, electric; D, diesel or semi-diesel; G, gasoline (usually an automobile engine); O, oil; Ng, natural gas; Tr, tractor; W, windmill; H, hand. Number indicates horsepower.

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

No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
120	--	--	C,H	--	D,S	--	
121	40 d/	-- 1912	C,E, 1 <sub>2</sub>	--	--	--	Screen set at 196 to 208 feet.
122	8 d/	Mar. --, 1936	G1	250	Ind	--	Casing: 277 feet of 7-inch; 21 feet of 6-inch casing. Used in conjunction with wells 123 to 128 to supply lease and drilling rigs.
123	22 d/	July --, 1939	G1	250	Ind	--	Casing: 276 feet of 5-inch; e/ 25 feet of 5-inch screen. e/
124	30 d/	Jan. --, 1938	G1	250	Ind	--	Casing: 269 feet of 7-inch; 233 feet of 6-5/8-inch; 24 feet of
125	21 d/	May --, 1937	G1	200	Ind	--	Casing: 6-5/8-inch screen. e/ 362 feet of 8-5/8-inch; 21 feet of
126	20 d/	Sept. --, 1935	G1	300	Ind	--	Casing: 8-5/8-inch screen. e/ 240 feet of 7-inch; 25 feet of 7-
127	20 d/	Dec. --, 1936	G1	300	Ind	--	Casing: 266 inch screen. e/ feet of 7-inch; lead seal; 125 feet of 5-inch; 20 feet of 5-inch screen. Formerly drilled to 303 feet. Deepened in Sept. of 1938.
128	20 d/	Apr. --, 1940	G1	200	Ind	--	Casing: 146 feet of 5-inch; e/ 15 feet of 5-inch screen. e/
129	16 d/	Aug. --, 1939	C,H	--	D,S	--	

No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
130	--	--	C,W	--	D,S	--	
131	--	--	C,W,H	--	D,S	--	
132	--	--	C,H	--	D,S	--	
133	--	--	T,-, --	1,800	N	--	Casing: 50 feet of 24-inch. Screens set at 109 to 149, 184 to 204, 218 to 238 and 271 to 331 feet. Formerly used for irrigation.
134	--	--	C,W	--	D,S	--	
135	--	--	C,G, --	--	D,S	--	
136	--	--	T,G, 32	1,000	N	--	Casing: 39 feet of 24-inch. Screens set at 45 to 66, 98 to 113 and 145 to 160 feet. Reported, in 1940, no irrigation for several years.

c/ Yield measured in 1940.

d/ Water level reported by owner or driller.

e/ Log of well in tables of drillers' logs.

Records of wells in Wharton County--Continued

Well	Distance from Wharton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
137	1 $\frac{1}{4}$ miles northwest	A. D. Manofsky	H. Svoboda	1931	55	5	--	--
138	In El Campo	El Campo Rice Mill	Thomas & Payne	--	--	6	--	8.7
139	do.	Central Power & Light Co.	Layne-Texas	1929	1,098	16, 10	1,081	0
140	1 $\frac{3}{4}$ miles southeast	P. Dornak	Charley Mickelson	1924	102	24, 8	--	0
141	2 $\frac{3}{4}$ miles south	Lynner Bros.	Otto Mickelson	1919	263	26, 10	263	--
142	2 $\frac{1}{4}$ miles southwest	Nils Nilson	Nils Nilson	--	64	2	64	--
143	5 $\frac{1}{2}$ miles southwest	W. C. Kunetka	--	--	40+	1 $\frac{1}{2}$	40+	--

Well	Distance from El Campo	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
144	5 $\frac{1}{2}$ miles southwest	Frank Huvar	--	1927	72	4	--	--
145	2 miles southeast	W. A. Sears	Otto Mickelson	1907	100	24, 9-5/8	--	--
146	4 $\frac{1}{4}$ miles east	John Boyd	--	Old	300+	24, 9-5/8	--	--
147	4 $\frac{1}{2}$ miles northeast	Alf. N. Nilson-The Texas Co.	Luther Patterson	1938	216	5	216	0
148	In El Campo	Central Power & Light Co.	McMasters & Pomeroy	1926	1,188	17, 12 $\frac{1}{2}$ , 6	1,110	0
149	do.	G.H.& S.A. P.R.R.	Layne-Texas	1907	150	9-5/8	85	--
150	7 miles north	Cerny Est.	--	1912	160	26, 9-5/8	--	3.0
151	do.	Ranham Est.	--	1909	165	26, 9-5/8	--	1.0
152	6 $\frac{1}{2}$ miles north	E. F. Earl	Layne-Bowler	1909	197	24, 9-5/8	181	0

No.	Water level		Method of lift and power 1939	Estimated yield (g.p.m.)	Use of water 1939	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
137	--	--	C,G, --	--	D,S, Ind	--	
138	20.85	Mar. 22, 1934	A,-	--	Ind	--	
139	18.8	June 1, 1934	T,E, 25	--	P	--	Casing: 146 feet of 16-inch. Screens set at 894 to 915, 927 to 980 and 1,037 to 1,059 feet. Used in conjunction with well 148 for El Campo city water supply. e/
140	22.5	June 5, 1934	T,E, 15	--	P	--	Supplies swimming pool.
	22.77	Mar. 11, 1940					
141	--	--	T,G, 50	1,200	N	--	Casing: 50 feet of 26-inch. Screens set at 84 to 104, 135 to 155, 191 to 233 and 250 to 263 feet. Formerly used for irrigation.
142	--	--	C,W	--	D,S	--	
143	--	--	C,W	--	D,S	--	
No.	Water level		Method of lift and power 1939	Estimated yield (g.p.m.)	Use of water 1939	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
144	--	--	C,E, 1/3	--	D,S	--	
145	--	--	T,E, 15	--	N	--	Casing: 38 feet of 24-inch. Formerly used for irrigation.
146	--	--	T,-, --	--	N	--	Casing: 40 feet of 24-inch. Formerly used for irrigation.
147	10 d/	Aug. --, 1938	G1	300	Ind	--	Casing: 189 feet of 5-inch; 25 feet of 5-inch screen. e/
148	43.33	Apr. 19, 1935	T,E, 20	250	P	--	Casing: 106 feet of 17-inch. 6-inch bronze screens set at 856 to 878, 990 to 1,011 and 1,051 to 1,072 feet. Depth of well formerly 1,100+. Repaired and deepened by Layne-Texas in June, 1936. e/
149	--	--	--	200	N	--	Formerly supplied R.R.; caved and abandoned. e/
150	32.86	June 21, 1940	T,-, --	--	N	--	Casing: 30 feet of 26-inch. Reported, in 1940, no irrigation
151	32.70	do.	T,-, --	--	N	--	Casing: 37 feet of 26-inch. Formerly used for irrigation. since 1938.
152	30.90	do.	T,-, --	--	N	36	Casing: 51 feet of 24-inch. Screens set at 51 to 100 and 142 to 181 feet. e/ gation.

Records of wells in Wharton County--Continued

Well	Distance from El Campo	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
153	7½ miles north	Frank Banmruk	Layne-Bowler	1908	138	24, 9-5/8	138	--
154	7 miles north	Felix Brod	--	1909	160	26, 9-5/8	--	1.0
155	6½ miles north	Leo Wendel	Wm. Thomas	1909	200	24, 8	--	1.0
156	7 miles northwest	Dr. J. A. Halamicek	Layne-Bowler	1908	150	24, --	--	1.5
157	6½ miles northwest	E. J. Staff	--	1904	210	24, 9-5/8	--	6.0
158	5½ miles northwest	-- Hartman	Layne-Bowler	1910	313	24, 13	--	0
159	2½ miles northwest	Guy Stoval	Thomas & Payne	1919	--	24, 9-5/8	--	3.5
Well	Distance from Louise	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
160	3 miles northeast	W. H. Powell	Thomas & Payne	1913	303	24, 9-5/8	--	--
161	In Louise	Rose Service Station	Frank Maretka	1932	28	1½	28	--
162	do.	Joe Trochta	do.	1929	37	2	37	--
163	do.	Trochta Bros.	Jack Rodgers	1927	45	3	45	--
164	do.	H. P. Stockton	do.	1934	68	3	68	--
165	¾ mile northwest	do.	Wm. Thomas	1912	230	24, 10	--	0
166	1½ miles southwest	do.	do.	1926	310	24, 10	--	--
167	2¾ miles southwest	Heard Est.	Thomas & Payne	1923	304	24, 9-5/8	--	0
168	2 miles west	Leo Kocurek	Wm. Thomas	1912	310	24, 9-5/8	--	1.0
169	do.	Frances Kovar	do.	1910	305	24, 9-5/8	--	1.5

a/ T, turbine; Cf, centrifugal; A, air; Gl, gas lift; C, cylinder; E, electric; D, diesel or semi-diesel; G, gasoline (usually an automobile engine); O, oil; Ng, natural gas; Tr, tractor; W, windmill; H, hand. Number indicates horsepower.

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

No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
153	--	--	--	--	N	--	Casing: 50 feet of 24-inch. Screens set at 55 to 99 and 105 to 155 feet. Reported, in 1940, no irrigation since 1920. e/
154	33.29	June 21, 1940	--	--	N	--	Casing: 40 feet of 26-inch. Formerly used for irrigation.
155	35.02	do.	T,Tr, 30	--	N	--	Casing: 49 feet of 24-inch. Formerly used for irrigation.
156	36.16	May 31, 1940	--	--	N	--	Formerly used for irrigation.
157	38.97	June 21, 1940	T,-, --	--	N	--	Casing: 36 feet of 24-inch. Reported, in 1940, no irrigation
158	33 d/	Mar. --, 1910	T,Tr, 32	985 c/	I	--	Casing: 60 feet of [ ] since 1937. 24-inch. Screens set at 44 to 60, 76 to 99, 118 to 177, 196 to 215, 231 to 246, 254 to 273 and 277 to
159	39.74	June 3, 1940	T,G, 35	--	I	134	[ ] 313 feet. e/
No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
160	--	--	T,G, 35	1,800	I	160	Casing: 65 feet of 24-inch.
161	--	--	C,E, 1/2	--	D,S,P	--	
162	--	--	C,H	--	P	--	
163	--	--	C,E, 1/2	--	D,S,P	--	
164	--	--	C,E, 1/2	--	D,S,P	--	
165	23.27	June 2, 1934	--	--	N	--	Formerly used for irrigation. e/
	24.26	Mar. 7, 1940					
166	--	--	T,G, 40	--	I	117	Casing: 65 feet of 24-inch.
167	33.22	June 12, 1940	T,G, 35	--	I	--	Casing: 70 feet of 24-inch. 406 acres irrigated in 1939 from this well and wells 192 and 193.
168	26.71	do.	T,-, --	--	N	--	Casing: 60 feet of 24-inch. Reported, in 1940, no irrigation
169	29.71	do.	--	--	N	--	Casing: 60 feet of [ ] since 1930 24-inch. Reported, in 1940, no irrigation since 1915.

c/ Yield measured in 1940.

d/ Water level reported by owner or driller.

e/ Log of well in tables of drillers' logs.

## Records of wells in Wharton County--Continued

Well	Distance from Danevang	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
170	11 $\frac{1}{2}$ miles west	C. C. Appling	Wm. Thomas	1920	386	24, 12	--	--
171	10 miles west	Isaac Weaver	Otto Mickelson	1927	347	24, 10	347	0
172	9 $\frac{1}{2}$ miles west	O. W. Bass	O. W. Bass	1932	35	4	--	0
173	8 $\frac{1}{2}$ miles west	Stoval & Appling	Otto Mickelson	1931	390	24, 12 $\frac{1}{2}$	--	1.0
174	7 miles southwest	L. Boehm	L. Boehm	1933	33	4	--	--
175	4 $\frac{1}{4}$ miles west	Mores Saman	Otto Mickelson	1937	197	12	197	--
176	4 miles west	E. Saman	do.	1930	248	12 $\frac{1}{2}$	248	--
177	4 $\frac{1}{2}$ miles west	J. L. Myatt	do.	1930	150	12	150	--
178	5 $\frac{1}{2}$ miles west	Adrian Johnson	do.	1927	290	24, 10	290	2.5
179	6 miles northwest	C. C. Appling	do.	1927	371	24, 12, 10	371	--
180	do.	A. Carville	H. Svoboda	1930	32	1 $\frac{1}{2}$	32	--
181	4 miles northwest	C. C. Appling	Otto Mickelson	1923	522	24, 12, 10	522	3.0
182	5 miles north	E. C. Peterson	E. C. Peterson	1912	32	1 $\frac{1}{4}$	32	--
183	4 $\frac{1}{2}$ miles north	Henry Peterson	Otto Mickelson	1918	386	24, 10	386	1.0
184	4 $\frac{1}{4}$ miles northwest	J. M. Summers	do.	1909	278	26, 9-5/8	278	--
185	2 $\frac{1}{4}$ miles northwest	H. N. Hansen	H. N. Hansen	1897	30	1 $\frac{1}{4}$	30	--
186	2 $\frac{1}{2}$ miles north	Otto Mickelson	Otto Mickelson	1918	342	24, 10	342	1.0
187	1 mile northwest	Chas. Davis	Earl Johnson	1924	88	1 $\frac{1}{2}$	88	--

No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
170	--	--	T,Ng, 60	--	I	--	365 acres irrigated in 1939 from this well and well 173 and 194.
171	33.44	June 12, 1940	T,G, 50	1,800	I	--	Casing: 73 feet of 24-inch. Screens set at 91 to 101, 136 to 156, 161 to 178, 193 to 207, 233 to 273 and 285 to 347 feet.
172	10.65	June 1, 1934	C,W	--	D,S	--	
173	16.94	June 1, 1934	T,O, 60	715 c/	I	--	Casing: 59 feet of 24-inch.
	17.93	Mar. 11, 1940					
174	--	--	C,W	--	D,S	--	
175	--	--	T,E, 25	690 c/	I	112	Screens set at 25 to 29, 49 to 59, 75 to 155 and 167 to 182 feet.
176	--	--	T,E, 25	680 c/	I	101	Screens set at 24 to 28, 68 to 110, 128 to 149 and 208 to 248 feet.
177	--	--	T,G, 40	900	I	--	Screens set at 33 to 58, 73 to 93, and 123 to 139 feet. 377 acres irrigated in 1939 from this well and wells 200, 221 and 222.
178	19.6	Mar. 24, 1934	T,E, 30	1,100	N	--	Casing: 57 feet of 24-inch. Screens set at 57 to 77, 108 to 128, 152 to 172, 180 to 195 and 230 to 290 feet. Formerly used
	18.36	Mar. 21, 1940					
179	--	--	T,Ng, 50	1,530 c/	I	146	Casing: 68 feet of 24-inch. Screens set at 83 to 133, 183 to 223, 247 to 307 and 341 to 371 feet.
180	--	--	C,W	--	D,S	--	
181	30.08	Mar. 24, 1934	T,Ng, 50	1,800	N	--	Casing: 78 feet of 24-inch. Screens set at 78 to 120, 270 to 285, 322 to 392, 427 to 438 and 462 to 522 feet. Reported, in 1940, no irrigation since 1936.
	24.38	Mar. 11, 1940					
182	--	--	C,W	--	D,S	--	
183	18.00	June 4, 1940	--	--	N	--	Casing: 38 feet of 24-inch. Screens set at 49 to 59, 207 to 247, 286 to 301 and 346 to 386 feet. Formerly used for irrigation.
184	--	--	T,G,	1,200	I	80	Casing: 50 feet of 26-inch. Screen set at 210 to 278 feet. Formerly used for irrigation.
185	--	--	C,W	--	D,S	--	
186	18.31	Mar. 11, 1940	T,-, --	1,200	N	--	Casing: 50 feet of 24-inch. Screens set at 92 to 100, 226 to 271 and 322 to 342 feet. Formerly used for irrigation.
	20.12	Aug. 30, 1940					
187	--	--	C,W	--	D,S	--	



## Records of wells in Wharton County--Continued

Well	Distance from Danevang	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
188	1½ miles south	Viggo Anderson	Viggo Anderson	1926	35+	--	--	--
189	2½ miles southeast	T. Longwood	T. Longwood	1917	30	1½	30	--
190	11 miles west	H. P. Stockton	Wm. Thomas	1912	310	24, 9-5/8	--	0
191	8½ miles west	Walter Garrett	Pat Smidt	1916	310	24, 9-5/8	--	--
192	9½ miles west	do.	Wm. Thomas	1915	230	24, 9-5/8	--	5.0
193	do.	Adams Est.	Thomas & Payne	1918	305	24, 9-5/8	--	3.7
194	8 miles west	R. L. Sublett	do.	1916	302	24, 9-5/8	--	--
195	do.	Deming Inv. Co.	Otto Mickelson	1926	296	24, 10	296	1.0
196	6 miles west	Aug. Cihal	Thomas & Payne	1918	--	24, 9-5/8	--	1.0
197	5½ miles west	Mauritz Bros.	Pat Smidt	1926	165	24, 10	--	--
198	5 miles southwest	H. D. Allen	Otto Mickelson	1978	410	20, 10	410	--
199	3¼ miles west	Jimmie Foltyn	do.	1909	235	26, 9-5/8	285	--
200	4¼ miles west	J. L. Wyatt	Pat Smidt	1927	310	24, 12	--	1.0
201	6 miles west	Chas. Bloom	Otto Mickelson	1908	200	24, 9-5/8	--	4.5
202	5 miles northwest	Chas. Dabaval	do.	1925	336	26, 12, 10	386	--
203	2¼ miles northwest	Neil Bandfield	do.	1926	54	26, 12	54	--
204	2½ miles northwest	Conner Bros.	do.	1920	473	24, 12	473	--
205	8½ miles north	Frank Bard	--	--	35+	1½	35+	--
206	do.	F. J. Bohuslav	Frank Habeynal	1933	68	1½	68	--
207	6 miles north	W. P. Gann	C. L. Tucker	1914	31	1½	31	--

No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
188	--	--	C,E, 1/3	--	D,S	--	
189	--	--	C,W	--	D,S	--	
190	29.01	June 12, 1940	--	--	N	--	Casing: 60 feet of 24-inch. Reported, in 1940, no irrigation
191	--	--	T,Ng, 32	--	I	150	Casing: 60 feet of 24-inch. since 1938.
192	34.59	June 12, 1940	T,Ng, 60	--	I	--	Casing: 65 feet of 24-inch.
193	33.68	do.	T,Ng, 50	--	I	--	Do.
194	--	--	T,Ng, 50	1,060 c/	I	--	Casing: 60 feet of 24-inch.
195	27.40	June 12, 1940	--	--	N	--	Casing: 59 feet of 24-inch. Screens set at 178 to 219 and 228 to 274 feet. Reported, in 1940, no irrigation since 1934.
196	28.98	June 13, 1940	--	--	N	--	Casing: 60 feet of 24-inch. Reported, in 1940, no irrigation
197	--	--	T,G, 60	--	I	223	Casing: 50 feet of 24-inch. since 1929.
198	--	--	T,D, 100	2,060 c/	I	439	Casing: 81 feet of 20-inch. Screens set at 29 to 39, 90 to 100, 153 to 168, 197 to 217, 254 to 279 and 370 to 410 feet. e/
199	--	--	--	--	N	--	Casing: 40 feet of 26-inch. Screens set at 59 to 94, 195 to 224 and 264 to 285 feet. Formerly
200	22.17	Apr. 25, 1940	T,-, --	--	I	--	Casing: 60 feet of 24-inch. used for irrigation.
201	23.26	June 13, 1940	T,G, 40	--	N	--	Casing: 40 feet of 24-inch. Reported, in 1940, no irrigation
202	--	--	T,Tr, 40	865 c/	I	158	Casing: 70 feet of 26-inch. Screens set at 76 to 91, 101 to 106, 119 to 139, 183 to 233, 247 to 262 and 346 to 386
203	--	--	T,-	--	N	--	Casing: 30 feet of 26-inch. Screen set at 36 to 54 feet. Gravel wall well. Reported, in 1940, no irrigation since 1932.
204	--	--	--	--	N	--	Casing: 70 feet of 24-inch. Screens set at 79 to 94, 112 to 122, 131 to 136, 245 to 265, 302 to 388, 411 to 426 and 443 to 473 feet. Reported, in 1940, no irrigation
205	--	--	C,W	--	D,S	--	gation since 1933.
206	--	--	C,H	--	D,S	--	
207	--	--	C,W	--	D,S	--	

## Records of wells in Wharton County--Continued

Well	Distance from Danevang	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
208	4 $\frac{1}{4}$ miles north	Thos. Martinets	Thos. Martinets	1918	40 $\frac{1}{2}$	--	--	--
209	6 $\frac{1}{2}$ miles northeast	J. C. Allen	Sam Shult	1915	439	26, 10	439	1.0
210	7 miles northeast	C. A. Ellwood	--	--	65	1 $\frac{1}{2}$	65	--
211	5 $\frac{1}{2}$ miles northeast	A. Carville	H. Svoboda	1929	30	1 $\frac{1}{2}$	30	--
212	4 miles northeast	C. Shult	Otto Mickelson	1927	174	26, 12	174	1.5
213	7 miles northeast	J. M. Halamicek	H. Svoboda	1916	45	1 $\frac{1}{2}$	45	--
214	do.	E. Bergstrom	E. Bergstrom	1951	30	2	30	--
215	9 $\frac{1}{2}$ miles northeast	A. C. Thompson	--	--	28	1 $\frac{1}{2}$	28	--
216	9 miles northeast	do.	Otto Mickelson	1938	157	--	--	--
217	7 miles northeast	Wade Roberts	Sam Shult	1910	312	24, 9-5/8	--	--
218	5 miles east	Myatt & Meherns	Otto Mickelson	1909	180	26, 9-5/8	178 $\frac{1}{2}$	0
219	4 $\frac{3}{4}$ miles east	J. L. Myatt	do.	1909	172	26, 9-5/8	172	--
220	5 miles east	Myatt & Meherns	do.	1910	170	26, 9-5/8	--	4.0
221	4 $\frac{1}{4}$ miles east	Myatt & Beck	Pat Smidt	1920	160	13, 10	--	0
222	4 miles east	J. L. Myatt	Otto Mickelson	1938	199	20, 16, 15	199	0
223	4 $\frac{1}{4}$ miles northeast	Chas. Shult	Sam Shult	1925	165	26, 9-5/8	--	--
224	4 $\frac{3}{4}$ miles northeast	Mrs. S. H. Wigginton	Layne-Bowler	1910	--	--	--	3.0
225	do.	Geo. Duffy	Otto Mickelson	1934	126	24, 12	126	--
226	6 miles northeast	Sam Shult	Pure Oil Co.	1936	390	6 $\frac{1}{4}$	--	4.0
227	7 miles northeast	C. A. Elwood	Sam Shult	1912	314	26, 9-5/8	--	3.0
228	6 miles north	Will Bodungen	do.	1911	150	24, 9-5/8	--	0
229	6 $\frac{1}{2}$ miles north	J. C. Allen	do.	1911	314	24, 10	--	--

No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
208	--	--	C,W	--	D,S	--	
209	16.4	Mar. 21, 1934	T,G, 50	1,800	I	140	Casing: 49 feet of 26-inch. Screens set at 62 to 76 feet, 132 to 154, 237 to 303 and 409 to 439 feet.
	15.64	Mar. 11, 1940					
210	--	--	C,E, $\frac{1}{4}$	--	D,S	--	
211	--	--	C,W	--	D,S	--	
212	21.87	June 5, 1940	T,G, 40	1,800	N	--	Casing: 49 feet of 26-inch. Screens set at 49 to 91, 102 to 139 and 149 to 174 feet. Reported, in 1940, no irrigation since 1937.
213	--	--	C,H	--	D,S	--	
214	--	--	C,G, $1\frac{1}{4}$	--	D,S	--	
215	--	--	C,W,H	--	D,S	--	
216	--	--	G1	985 c/	I	167	e/
217	--	--	T,G, 40	--	N	--	Casing: 38 feet of 24-inch. Reported, in 1940, no irrigation
218	17.52	June 5, 1940	T,G, 25	--	N	--	Casing: 40 feet of [ ] since 1936. 26-inch. Screens set at 59 to 95 and 124 to 178 feet. Reported, in 1940, no irrigation since 1938.
219	--	--	--	--	N	--	Casing: 40 feet of 26-inch. Screens set at 45 to 85 and 135 to 170 feet. Reported, in 1940, no
220	21.85	June 5, 1940	T,-	--	N	--	Casing: [ ] irrigation since 1937. 40 feet of 26-inch. Reported, in 1940, no irrigation since 1925.
221	18 d/	June --, 1940	T,G, 35	1,200	I	--	Casing: 50 feet of 18-inch.
222	18 d/	do.	T,G, 40	--	I	--	Casing: 61 feet of 20-inch. Screens set at 40 to 50, 60 to 75, 107 to 167 and 183 to 193 feet. e/
223	--	--	T,G, 50	--	N	--	Casing: 35 feet of 26-inch. Formerly used for irrigation.
224	21.89	June 5, 1940	T,G, 40	--	N	--	Reported, in 1940, no irrigation since 1938.
225	--	--	T,Tr, 40	--	I	97	Casing: 46 feet of 24-inch. Screens set at 48 to 68 82 to 92
226	20.52	June 5, 1940	--	--	N	--	Formerly [ ] and 111 to 126 feet. used as supply well for drilling
227	18.05	June 4, 1940	T,-, --	--	N	--	Casing: 40 feet of 26- [ ] rigs. inch. Reported, in 1940, no irri-
228	17.68	do.	T,-, --	--	N	--	Casing: 30 [ ] gation since 1936. feet of 24-inch. Reported, in
229	--	--	T,G, 40	--	I	--	[ ] 1940, no irrigation since 1915. Casing: 50 feet of 24-inch.

Records of wells in Wharton County--Continued

Well	Distance from Boling	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
230	7 miles west	W. A. Moers	Sam Golden	1932	42	2	42	--
231	6 $\frac{1}{2}$ miles west	Chas. Davis	do.	1927	56	2	56	--
232	4 $\frac{1}{2}$ miles west	D. A. Dickson	do.	1923	33	2	33	--
233	4 $\frac{3}{4}$ miles southwest	W. E. Rodgers	Dave Reed	1929	34	2	34	--
234	3 $\frac{1}{4}$ miles southwest	Caroline Henry	Taylor Kemp	1932	50+	2	50+	--
235	1 $\frac{1}{2}$ miles southwest	Chas. Morris	--	--	200+	2	200+	--
236	3 miles northwest	C. L. Lane	D. H. Treadway	1924	93	4, 2	93	--
237	3 $\frac{1}{4}$ miles north	Frank Barker	Sam Golden	1924	85	2	85	--
238	In Boling	Boling Ice & Water Co.	Luther Patterson	1927	754	6 $\frac{3}{4}$	--	--
239	3 miles southeast	G.C. & S.F. R.R.	--	1929	392	10	--	2.6
240	2 miles northeast	T. M. Neal	Sam Golden	1926	69	2	69	--
241	3 miles east	Texas Gulf Sulphur Co.	Texas Gulf Sulphur Co.	1928	487	20	408	2.5
242	2 $\frac{1}{2}$ miles east	do.	do.	1928	532	20	--	--
243	2 $\frac{1}{2}$ miles east	do.	do.	1929	530	20	--	2.0
244	2 $\frac{1}{2}$ miles east	do.	do.	1923	834	12, 8, 6	834	0
245	3 miles east	do.	do.	1929	414	12 $\frac{1}{2}$ , 10	414	0
246	2 $\frac{1}{4}$ miles northeast	E. V. Baker	Luther Patterson	1935	90	10	90	0
247	do.	do.	Raymond Wienbriemer	1937	116	10	116	0

No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
230	--	--	C,H,G	--	D,S	--	
231	--	--	C,H	--	D,S	--	
232	--	--	C,G, --	--	D,S	--	
233	--	--	C,H	--	D,S	--	
234	--	--	C,H	--	D,S	--	
235	--	--	C,H,G	--	D,S	--	
236	--	--	C,W	--	D,S	--	
237	--	--	C,H	--	D,S	--	
238	--	--	A,G, 55	60	P	--	Pumpage reported, 27,500,000 gallons a year.
239	19.8	Feb. 15, 1934	A,--	--	RR	--	Pumpage reported 100,000 gallons a week.
	25.13	Mar. 11, 1940					
240	--	--	--	--	N	--	Caved and abandoned.
241	19.85	Feb. 15, 1934	--	700	N	--	Casing: 365 feet of 20-inch; 354 feet 15 $\frac{1}{2}$ -inch; 54 feet of 15 $\frac{1}{2}$ -inch screen; 79 feet of open 12-inch hole. Known as Taylor No. 3. Reported unused since 1931. Reported 59 feet drawdown after pumping 700 gallons a minute for
	36.79	Mar. 11, 1940					
242	--	--	T,E, 50	1,000	Ind	--	Known as Weems No. <u>1 hour. e/</u> 4.
243	26.92	Feb. 15, 1934	T,E, 20	500	P	--	Casing: 342 feet of 20-inch; 349 feet of 15 $\frac{1}{2}$ -inch blank; 149 feet of 15 $\frac{1}{2}$ -inch screen; 32 feet of 12-inch open hole. Used in conjunction with well 244 for New Gulf townsite supply. Known as Weems
244	25 d/	Apr. --, 1928	T,E, 10	300	P	--	Casing: 126 feet <u>No. 5. e/</u> of 12-inch; 355 feet of 8-inch; 353 feet of 6-inch. Screens set at 436 to 478 and 483 to 486 feet. Known as Weems No. 2. <u>e/</u>
245	25 d/	Nov. --, 1929	T,E, 30	500	Ind	--	Casing: 344 feet of 12 $\frac{1}{2}$ -inch; 415 $\frac{1}{2}$ feet of 10-inch. Known as
246	50 d/	Apr. --, 1940	T,E, 5	125	Ind	--	Screen set at <u>Weems No. 6. e/</u> 70 to 90 feet. Used in conjunction with wells 247 to 250 to supply Sulphur Co. Known as Baker
247	50 d/	do.	T,E, 10	250	Ind	--	Screen set at 94 to 116 <u>No. 1.</u> feet. Known as Baker No. 2.

Records of wells in Wharton County--Continued

Well	Distance from Boling	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
248	2 $\frac{1}{2}$ miles northeast	E. V. Baker	Luther Patterson	1938	116	10	116	0
249	do.	do.	do.	1938	87	10	87	0
250	do.	do.	do.	1939	87	10	87	0
251	4 $\frac{1}{2}$ miles northeast	Duval Tex. Sulphur Co.	Duval Tex. Sulphur Co.	1934	650+	12 $\frac{1}{2}$	650+	--
252	do.	do.	do.	1934	650+	12 $\frac{1}{2}$	650+	--
253	do.	do.	do.	1934	650+	12 $\frac{1}{2}$	650+	--
254	do.	do.	do.	1934	650+	12 $\frac{1}{2}$	650+	--
255	do.	do.	Layne-Texas Co.	1937	708	13, 10 $\frac{3}{4}$ , 8-5/8	236	--
256	6 miles southwest	G.C. & S.F. R.R.	--	--	--	--	--	--
257	7 miles southwest	A. C. Cockburn	L. C. McDavid	1936	35	2	35	0
258	9 miles southwest	Geo. Cockburn	Henry Lane	1939	260	6, 4	260	0

Well	Distance from Hahn	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
259	1 $\frac{1}{2}$ miles north	Geo. Raum	Otto Mickelson	1930	275	24, 12	--	.5
260	$\frac{3}{4}$ mile northwest	Dr. J. A. Halamicek	--	--	--	24, --	--	0
261	$\frac{1}{2}$ mile west	Leo Bodungen	Charley Mickelson	1913	190	24, 9-5/8	--	--
262	$\frac{1}{2}$ mile east	Conner Est.	Pat Smidt	1918	210	24, 10	--	--
263	$\frac{3}{4}$ mile east	do.	Otto Mickelson	1920	240	24, 10	240	.5
264	2 $\frac{3}{4}$ miles east	John Naiser	Layne-Bowler	1908	153	24, 9-5/8	137	0

No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
248	50 d/	Apr. --, 1940	T,E, 10	250	Ind	--	Screen set at 96 to 116 feet. Known as Baker No. 3.
249	42 d/	Apr. 28, 1938	T,E, 10	300	Ind	--	Screen set at 77 to 87 feet. Drilled to 116 feet and plugged back to 87 feet. Known as Baker
250	50 d/	Apr. --, 1940	T,E, 15	350	Ind	--	Screen set at 74 to 87 feet. Known as Baker No. 5. e/
251	--	--	T,E, 20	300	Ind	--	Used in conjunction with wells 252, to 255 to supply Sulphur Co. Known
252	--	--	T,E, 20	300	Ind	--	Known as Duval as Duval No. 2. No. 3.
253	--	--	T,E, 20	300	Ind	--	Known as Duval No. 4.
254	--	--	T,E, 20	300	Ind	--	Known as Duval No. 5.
255	--	--	T,--	--	Ind	--	Casing: 139 feet of 13-inch; 16 feet of 10 <sup>3</sup> / <sub>4</sub> -inch lapped 14 feet into 13-inch; 109 feet of 8-5/8-inch. Screen set at 167 to 234 feet. Known as Duval No. 1. e/
256	--	--	--	--	RR	--	Pumpage reported 30,000 gallons a week.
257	15 d/	Mar. --, 1936	C,W	--	D	--	
258	18 d/	Nov. --, 1939	C,W	--	D,S	--	Casing: 64 feet of 6-inch; 176 feet of 4-inch blank lapped 64 feet into 6-inch. 20 feet of 4-inch screen. Bottom 64 feet of hole is open. e/

No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
259	39.70	May 28, 1940	--	--	N	--	Formerly used for irrigation.
260	38.27	June 1, 1940	--	--	N	--	Do.
261	--	--	T,E, 40	--	I	--	Casing: 55 feet of 24-inch.
262	--	--	--	--	N	--	Casing: 60 feet of 24-inch. Screen set at 60 to 160 feet. Formerly used for irrigation.
263	40.71	May 28, 1940	--	--	N	--	Casing: 64 feet of 24-inch. Screens set at 89 to 149 and 170 to 240 feet. Reported, in 1940, no
264	41.68	June 3, 1940	--	--	N	--	Casing: irrigation since 1937. 50 feet of 24-inch. Screens set at 50 to 70 and 91 to 129 feet. Reported, in 1940, no irrigation since 1935. e/



## Records of wells in Wharton County--Continued

Well	Distance from Hahn	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
265	2 $\frac{1}{4}$ miles east	Dr. J. A. Halamiccek	--	--	--	24, --	--	0
266	2 $\frac{1}{4}$ miles southeast	Dr. E. A. Weinheimer	Layne-Bowler	1908	320	24, 11-5/8, 9-5/8	320	0
267	1 $\frac{1}{2}$ miles southeast	C. Swanson & Sons	-- Stancliff	1909	150	24, 9-5/8	--	0
268	1 $\frac{1}{2}$ miles southeast	Bisken-Meyers	Otto Mickelson	1920	275	24, 10	275	--
269	2 miles south	C. R. Hicks	Layne-Bowler	1910	269	24, 11-5/8	254	0
270	1 mile south	J. B. Putnam	Thomas & Payne	1913	200	24, 10	200	--
271	3/4 mile southwest	do.	Oscar Williams	1907	130	24, 9-5/8	--	--
272	2 $\frac{1}{4}$ miles southwest	A. W. Millican	John Mickelson	1909	200	24, 10	200	0
273	3 $\frac{1}{4}$ miles southwest	Myatt & Beck	M. Layne	1919	311	26, 12	--	.1
274	4 miles southwest	do.	A. Layne	1918	169	24, 12	--	--
275	do.	Mrs. Rose Campbell	Layne-Bowler	1908	187	24, 9-5/8	--	--
276	4 $\frac{1}{2}$ miles southwest	Richard Meeks	Charley Mickelson	1912	200 <sup>+</sup>	24, 12	--	.5
277	4 $\frac{1}{4}$ miles southwest	Harry Wyer	do.	1913	200 <sup>+</sup>	24, 12	--	0
278	3 $\frac{1}{2}$ miles southwest	Eric Allenson	Wm. Thomas	1915	210	24, 10	--	0
279	6 $\frac{1}{2}$ miles south	Otto Peterson	do.	1904	171	24, 9-5/8	--	0
280	5 $\frac{1}{2}$ miles south	Mrs. Alfred Peterson	do.	1915	190	24, 9-5/8	--	1.0
281	5 miles south	C. W. Beckett Est.	-- Stucker	1908	201	24, 9-5/8	--	0
282	4 $\frac{3}{4}$ miles south	do.	--	1908	200	24, 9-5/8	--	0
283	4 $\frac{3}{4}$ miles south	S. G. Shrader	Charley Mickelson	1908	200	24, 9-5/8	--	0
284	3 $\frac{3}{4}$ miles south	J. J. Hill	Otto Mickelson	1920	332	26, 12	332	0
285	3 $\frac{1}{4}$ miles south	Will Wendel	John Mickelson	1909	200 <sup>+</sup>	24, 10	--	.5
286	2 $\frac{3}{4}$ miles south	S. G. Shrader	Charley Mickelson	1912	190	24, 9-5/8	--	2.5
287	3 $\frac{1}{2}$ miles south	Dr. J. A. Halamiccek	--	Old	200	24, --	--	0
288	4 $\frac{1}{4}$ miles southeast	J. W. Leach	Otto Mickelson	1913	320	24, 9-5/8	--	--

No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
265	37.27	May 31, 1940	T,-	--	N	--	Casing: 43 feet of 24-inch. Formerly used for irrigation.
266	36.68	June 3, 1940	T,-	--	N	--	Casing: 50 feet of 24-inch. 150 feet of 11-5/8-inch and 120 feet of 9-5/8-inch casing. Formerly used for irrigation.
267	38.02	do.	T,-	--	N	--	Casing: 50 feet of 24-inch. Reported, in 1940, no irrigation since 1922.
268	--	--	T,G, 32	--	N	--	Casing: 60 feet of 24-inch. Formerly used for irrigation. e/
269	25.65	June 1, 1940	T,E, 40	--	I	139	Casing: 50 feet of 24-inch. Screens set at 78 to 223 and 238
270	--	--	T,E, 40	--	I	85	Casing: 50 feet to 254 feet. e/ of 24-inch. Screen set at 100 to
271	--	--	T,E, 40	--	I	--	Casing: 56 feet of 24-inch. 200 feet.
272	33.46	May 31, 1940	--	--	N	--	Reported, in 1940, no irrigation for several years.
273	36.20	May 27, 1940	T,D, 50	1,005 c/	I	108	Casing: 68 feet of 26-inch.
274	--	--	T,E, 30	--	I	85	Casing: 49 feet of 24-inch.
275	--	--	T,-, --	420 c/	N	--	Casing: 54 feet of 24-inch. Screens set at 125 to 140 and 159 to 179 feet. Formerly used for irrigation.
276	30.54	May 28, 1940	--	--	N	--	Formerly used for irrigation.
277	27.96	May 31, 1940	T,E, 30	--	I	--	Do.
278	30.75	do.	--	--	N	--	Casing: 60 feet of 24-inch. Reported, in 1940, no irrigation since 1932.
279	22.13	do.	T,-, --	--	N	--	Casing: 40 feet of 24-inch. Reported, in 1940, no irrigation since 1928.
280	31.11	do.	T,-, --	1,000 c/	N	--	Casing: 60 feet of 24-inch. Formerly used for irrigation.
281	28.38	do.	C,W	--	S	--	Casing: 50 feet of 24-inch. Formerly used for irrigation.
282	30.91	do.	--	--	N	--	Reported, in 1940, no irrigation since 1915.
283	30.73	do.	T,-, --	--	N	--	Reported, in 1940, no irrigation since 1938.
284	31.23	May 28, 1940	--	--	N	--	Casing: 60 feet of 26-inch. Screens set at 50 to 60, 145 to 195, 224 to 234 and 273 to 332 feet. Formerly used for irrigation.
285	31.20	June 1, 1940	--,W	--	N	--	Reported, in 1940, no irrigation since 1937.
286	36.25	do.	T,Tr, 40	--	I	90	Casing: 60 feet of 24-inch.
287	18.78	May 31, 1940	--	--	N	--	Casing: 39 feet of 24-inch. Formerly used for irrigation.
288	--	--	T	--	I	175	

Records of wells in Wharton County--Continued

Well	Distance from Hahn	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
289	5½ miles southeast	E. H. Swanson	--	Old	--	24, 9-5/8	--	--
290	5 miles southeast	Sigfred Johnson	-- Stancliff	1907	100	24, 9-5/8	--	--
291	5½ miles southeast	Paul Herman	--	--	--	24, --	--	--

Well	Distance from Louise	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
292	3 miles west	Wm. Koch	Wm. Thomas	1910	280	24, 9-5/8	--	--
293	2½ miles northwest	Axel Ekvall	do.	1912	280	24, 9-5/8	--	3.0
294	do.	Mrs. Ruby S. Babcock	do.	1908	272	24, 9-5/8	--	2.5
295	3 miles northwest	E. F. Earl	Layne-Texas Co.	1909	234	24, 9-5/8	234	0
296	2½ miles northwest	Joe Viteria	Wm. Thomas	1908	290	24, 9-5/8	--	.5
297	2½ miles north	H. P. Stockton	do.	1908	280	24, 9-5/8	--	1.0
298	1½ miles north	Mrs. C. A. Ward	do.	1926	310	24, 10	--	2.0
299	1½ miles northeast	Walter Garrett	do.	1910	180	26, 9-5/8	--	--
300	1½ miles east	-- Cassidy	do.	1916	304	24, 9-5/8	--	1.0
301	1¾ miles northeast	John Chromcak	do.	1915	310	24, 9-5/8	--	2.0
302	2½ miles northeast	D. Dornak	do.	1919	300+	24, 9-5/8	--	2.5
303	4¼ miles northeast	Ben Liska	do.	1915	300+	24, 9-5/8	--	--
304	4¼ miles east	Adolf Schoeneberg	Thomas & Payne	1912	330	24, 9-5/8	--	3.0

a/ T, turbine; Cf, centrifugal; A, air; Gl, gas lift; C, cylinder; E, electric; D, diesel or semi-diesel; G, gasoline (usually an automobile engine); O, oil; Ng, natural gas; Tr, tractor; W, windmill; H, hand. Number indicates horsepower.

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

No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
289	--	--	T,G, 25	--	N	--	Reported, in 1940, no irrigation since 1925.
290	--	--	-,Tr, 60	--	N	--	Reported, in 1940, no irrigation since 1935.
291	--	--	T,G, 35	730 c/	I	117	
No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 b/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
292	--	--	T,G, 60	--	I	179	Casing: 60 feet of 24-inch.
293	34.61	June 12, 1940	T,-, --	--	N	--	Casing: 65 feet of 24-inch. Reported, in 1940, no irrigation
294	34.71	do.	T,Tr, 30	--	S	--	Casing: 60 feet of 24-inch. Formerly used for irrigation. since 1932.
295	22.33 d/	Feb. 12, 1909	--	--	N	--	Casing: 50 feet of 24-inch. Screens set at 102 to 130, 137 to 174 and 213 to 232 feet. Formerly used for irrigation.
296	31.01	June 12, 1940	--	--	N	--	Casing: 55 feet of 24-inch. Formerly used for irrigation.
297	31.64	do.	T,-, --	--	I	63	Casing: 60 feet of 24-inch. Formerly used for irrigation.
298	32.58	do.	T,G, 60	--	N	--	Casing: 65 feet of 24-inch. Formerly used for irrigation.
299	--	--	C,W	--	S	--	Casing: 40 feet of 26-inch. Formerly used for irrigation.
300	32.23	June 12, 1940	T,-, --	--	N	--	Casing: 60 feet of 24-inch. Reported, in 1940, no irrigation
301	32.22	do.	T,-, --	--	I	136	since 1930.
302	33.99	do.	T,-, --	--	I	--	Casing: 65 feet of 24-inch. Formerly used for irrigation.
303	--	--	T,-, --	--	N	--	Casing: 68 feet of 24-inch. Formerly used for irrigation.
304	34.45	June 12, 1940	T,O, 125	--	N	--	Casing: 60 feet of 24-inch. Reported, in 1940, no irrigation since 1930.

c/ Yield measured in 1940.

d/ Water level reported by owner or driller.

e/ Log of well in tables of drillers' logs.

Records of wells in Wharton County--Continued

Well	Distance from Danevang	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
305	5 miles north	Chas. Bacak	Otto Mickelson	1927	71	26, 10	71	0
306	5 miles north	C. Swanson	Shult & Mickelson	1918	70	24, 13	70	2.5
307	4 $\frac{1}{2}$ miles north	Louis Bacak	Otto Mickelson	1909	140	26, 9-5/8	--	0
308	do.	Frank Olson	Sam Shult	Old	200	24, 9-5/8	--	--
309	4 $\frac{3}{4}$ miles north	Olson Bros.	do.	Old	250	24, 8	--	--
310	5 miles north	John T. Gann	do.	1910	210	24, 9-5/8	--	0
311	4 miles north	C. Swanson	do.	1910	95	24, 9-5/8	--	1.0
312	3 $\frac{1}{2}$ miles north	H. D. Allen	Otto Mickelson	1918	310	26, 10	310	4.0
313	3 $\frac{1}{4}$ miles northwest	Dr. O. E. Ellison	do.	1925	65	24, 12	65	--
314	2 $\frac{1}{2}$ miles north	Otto Mickelson	do.	1939	408	24, 18, 12 $\frac{1}{2}$	407	--
315	2 $\frac{1}{4}$ miles north	Mrs. E. H. Koch	do.	1918	348	24, 10	348	4.0

Well	Distance from El Campo	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
316	$\frac{3}{4}$ mile west	Chas. Payne	Thomas & Payne	1908	365	26, 9-5/8	--	--
317	2 $\frac{1}{2}$ miles west	C. Swanson	do.	1911	345	24, 9-5/8	--	--
318	4 miles west	John V. Mazoch	Pat Smidt	1918	260	24, 9-5/8	--	--
319	3 $\frac{1}{2}$ miles west	Gerell Est.	Otto Mickelson	1907	220	24, 9-5/8	--	--
320	6 miles west	Gadeke Est.	Layne-Bowler	1908	--	24, 9-5/8	--	--
321	6 $\frac{1}{2}$ miles northwest	Eugene Writz	--	--	--	24, 9-5/8	--	0.5

a/ T, turbine; Cf, centrifugal; A, air; Gl, gas lift; C, cylinder; E, electric; D, diesel or semi-diesel; G, gasoline (usually an automobile engine); O, oil; Ng, natural gas; Tr, tractor; W, windmill; H, hand. Number indicates horsepower.

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

No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
305	17.55	June 4, 1940	T,G, 25	--	N	--	Casing: 27 feet of 26-inch. Screen set at 33 to 71 feet. Formerly used for irrigation.
306	21.25	do.	T,-	--	N	--	Casing: 30 feet of 24-inch. Screen set at 50 to 70 feet. Formerly used for irrigation.
307	19.60	do.	T,-, --	--	N	--	Casing: 40 feet of 24-inch. Reported, in 1940, no irrigation
308	--	--	T,G, 32	--	I	103	Casing: 45 feet of 24-inch. since 1934.
309	--	--	T,G, 40	--	I	110	Casing: 59 feet of 24-inch.
310	17.87	June 4, 1940	T,G, 45	--	N	--	Casing: 40 feet of 24-inch. Reported, in 1940, no irrigation
311	18.93	do.	T,-	--	N	--	Casing: 40 feet of 24-inch. Reported, in 1940, no irrigation since 1937.
312	30.13	do.	T,-	--	N	--	Casing: 49 feet of 24-inch. Reported, in 1940, no irrigation since 1934.
313	--	--	T,G, 35	--	I	80	Casing: 35 feet of 24-inch. Screen set at 35 to 65 feet.
314	20 d/	May 30, 1940	T,O, 60	1,600	I	169	Casing: 60 feet of 24-inch. Screens set at 60 to 103, 124 to 134, 161 to 169, 195 to 210, 240 to 230, 315 to 342 and 374 to 407
315	25.70	June 5, 1940	T,-, --	--	N	--	Casing: 50 feet of 24-inch. Screens set at 78 to 98, 248 to 273 and 303 to 348 feet. Reported, in 1940, no irrigation since 1938.

No.	Water level		Method of lift and power 1939 a/	Estimated yield (g.p.m.)	Use of water 1939 h/	Land irrigated 1939 (acres)	Remarks
	Depth below measuring point (ft.)	Date of measurement					
316	30 d/	Apr. --, 1940	C,E, --	--	D,S	--	Casing: 42 feet of 26-inch. Reported, in 1940, no irrigation
317	--	--	T,-	--	I	175	Casing: 60 feet of 24-inch. since 1927.
318	--	--	T,G, 35	560 c/	I	85	
319	--	--	T,-	--	I	66	Casing: 30 feet of 24-inch.
320	--	--	T,G, 48	659	I	56	
321	38.51	May 31, 1940	--	--	N	--	Formerly used for irrigation.

c/ Yield measured in 1940.

d/ Water level reported by owner or driller.

e/ Log of well in tables of drillers' logs.

Table of Drillers' Logs, Wharton County, Texas

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
<u>15</u>				<u>116</u>			
Clay - - - - -		10	10	Surface clay - - -		12	12
Sand - - - - -		35	45	Surface sand - - -		42	60
Clay - - - - -		12	57	Surface clay - - -		10	70
Coarse sand, gravel and boulders - - -		59	116	Sand and gravel - - -		42	112
Red clay - - - - -			116	Clay - - - - -		10	122
TOTAL DEPTH - - -			116	Sand and gravel - - -		15	135
<u>16</u>				<u>118</u>			
Clay - - - - -		35	35	Gumbo - - - - -		48	183
Sand - - - - -		19	54	Sand and gravel - - -		15	198
Gravel - - - - -		64	118	Gumbo - - - - -		18	216
Clay - - - - -		50	148	Sand and gravel - - -		32	248
Gravel - - - - -		29	177	Gumbo - - - - -		64	312
Clay - - - - -		5	182	Sand and gravel - - -		81	393
Gravel - - - - -		24	206	Gumbo - - - - -		11	404
Clay - - - - -		9	215	Sand and boulders - - -		46	450
Sand - - - - -		28	243	Hard sand and soft brocks - - - - -		45	495
TOTAL DEPTH - - -			243	Hard lime and sand boulders - - - - -		105	600
<u>41</u>				<u>119</u>			
Clay - - - - -		59	59	Gumbo - - - - -		20	620
Sand - - - - -		12	71	Sand and gravel - - -		11	631
Rock and white clay - - -		9	80	Gumbo - - - - -		35	664
Sand and gravel - - -		65	145	Sand and gravel boulders - - -		6	670
Clay - - - - -		3	149	Sand and boulders - - -		36	706
Rock - - - - -		4	157	Gumbo - - - - -		52	758
Sand and gravel - - -		13	166	Gumbo, lime and sand - - -		26	784
Rock and boulders - - -		15	181	Sand and boulders - - -		36	820
Rock and boulders - - -			181	Pink gumbo - - - - -		23	843
TOTAL DEPTH - - -			181	Sand - - - - -		7	850
<u>109</u>				<u>120</u>			
Surface soil - - - - -		13	13	Gumbo, streaks hard sand - - - - -		10	860
Sand and gravel - - -		91	104	Gumbo - - - - -		40	900
Clay - - - - -		14	118	Sand - - - - -		29	929
Sand - - - - -		30	148	Gumbo - - - - -		17	946
Clay - - - - -		60	208	Sand - - - - -		20	966
Sand - - - - -		14	222	Sandy lime and gumbo - - - - -		16	982
Clay - - - - -		15	237	Sand - - - - -		22	1004
Sand - - - - -		7	244	Gumbo - - - - -		16	1020
Clay - - - - -		20	264	Gumbo and lime - - -		77	1097
Sand - - - - -		11	275	Blue gumbo - - - - -		8	1105
Clay - - - - -		11	286	Brown gumbo - - - - -		40	1145
Sand and gravel - - -		11	297	Gumbo - - - - -		64	1209
Rock - - - - -		2	304	Hard sand - - - - -		29	1238
Sand and gravel - - -		13	317	Gumbo - - - - -		24	1262
Clay - - - - -		18	335	Sandy shale - - - - -		19	1281
Sand - - - - -		50	384	TOTAL DEPTH - - -			4050
Rock - - - - -		6	400	<u>118</u>			
Sand - - - - -		8	408	Clay - - - - -		24	24
Clay - - - - -		5	413	Sand - - - - -		92	116
TOTAL DEPTH - - -			413	Shale - - - - -		66	182
				<u>121</u>			
				Clay - - - - -			
				Sand - - - - -			
				Shale - - - - -			
				Sand - - - - -			
				Shale - - - - -			
				TOTAL DEPTH - - -			

Table of Drillers' Logs, Harton County --Continued

	Thickness (feet)	Depth (feet)
<u>122</u>		
Surface - - - -	46	46
Sand - - - -	31	69
Shale- - - -	179	248
Sand - - - -	70	278
Sand and gravel - -	36	314
<u>TOTAL DEPTH</u> - - -		<u>314</u>
<u>123</u>		
Surface - - - -	24	24
Shale- - - -	87	111
Sand - - - -	22	153
Shale- - - -	105	236
Sand - - - -	14	250
Shale- - - -	14	264
Sand - - - -	38	302
<u>TOTAL DEPTH</u> - - -		<u>302</u>
<u>124</u>		
Surface - - - -	10	10
Sand- - - -	55	65
Shale - - - -	5	70
Sand- - - -	32	102
Sandy shale - - -	38	140
Shale - - - -	41	181
Sand- - - -	9	190
Shale- - - -	113	263
Sandy shale - - -	3	312
Shale - - - -	183	495
Sand and gravel - -	35	520
<u>TOTAL DEPTH</u> - - -		<u>520</u>
<u>125</u>		
Clay - - - -	45	45
Sand - - - -	27	70
Shale- - - -	50	120
Sand and shale - -	10	130
Sand - - - -	22	152
Shale- - - -	183	335
Sand - - - -	46	381
Shale- - - -	4	385
<u>TOTAL DEPTH</u> - - -		<u>385</u>
<u>126</u>		
Clay - - - -	6	6
Sand - - - -	14	20
Shale- - - -	43	65
Sticky shale - - -	69	152
Sand - - - -	14	146
Shale- - - -	95	241
Sand - - - -	24	265
Shale- - - -	2	267
<u>TOTAL DEPTH</u> - - -		<u>267</u>

	Thickness (feet)	Depth (feet)
<u>127</u>		
Surface - - - -	25	25
Sand- - - -	50	81
Shale- - - -	150	237
Sand - - - -	10	247
Shale- - - -	12	259
Sand - - - -	42	301
Shale- - - -	2	303
<u>TOTAL DEPTH</u> - - -		<u>303</u>
<u>128</u>		
Surface sand and clay-	35	35
Sticky shale - - -	82	117
Sand and gravel, water-	45	162
<u>TOTAL DEPTH</u> - - -		<u>162</u>
<u>129</u>		
Surface soil - - -	6	6
Coarse sand - - -	20	26
Clay - - - -	3	29
Coarse sand - - -	18	47
Clay - - - -	4	51
Sand and gravel - -	68	119
Clay - - - -	34	153
Gravel - - - -	30	183
Clay - - - -	20	203
Gravel - - - -	10	213
Gravel and sand - -	40	253
Clay, streak sand-	51	304
Rock - - - -	2	306
Sand, streak rock-	105	411
Rock - - - -	2	413
Sand - - - -	6	419
Rock - - - -	1	420
Sand - - - -	3	423
Rock - - - -	2	425
Sand, layers rock-	191	616
Hard lumpy shale - -	10	626
Hard shale - - - -	10	636
Sand rock- - - -	3	639
Sand - - - -	25	664
Rock - - - -	2	666
Shale- - - -	38	704
Sand - - - -	6	710
Rock - - - -	2	712
Sand - - - -	20	732
Hard shale - - - -	15	747
Rock - - - -	2	749
Sand - - - -	25	774
Hard shale - - - -	10	784
Sand - - - -	23	807
Rock - - - -	3	810

(Continued on next page)



Table of Drillers' Logs, Wharton County --Continued

	Thickness (feet)	Depth (feet)
139 --Continued		
Sand - - - - -	10	820
Rock - - - - -	6	826
Hard shale - - - - -	20	846
Sand - - - - -	15	861
Gumbo - - - - -	20	881
Sand - - - - -	38	919
Hard shale - - - - -	12	931
Sand - - - - -	59	989
Hard shale - - - - -	27	1016
Sand - - - - -	49	1065
Gumbo - - - - -	33	1098
TOTAL DEPTH - - - - -		1098

147		
Clay - - - - -	30	30
Sand - - - - -	109	139
Shale - - - - -	34	173
Sand - - - - -	41	214
Shale - - - - -	2	216
TOTAL DEPTH - - - - -		216

148		
Surface soil - - - - -	8	8
Sand - - - - -	22	30
Sand; water - - - - -	10	40
Red sand - - - - -	50	90
Yellow clay - - - - -	30	120
Sand - - - - -	10	130
Yellow clay - - - - -	20	150
Sand; water - - - - -	30	180
Clay - - - - -	10	190
Sand - - - - -	14	204
Packed sand - - - - -	16	220
Gumbo - - - - -	14	234
Sand; water - - - - -	30	264
Gumbo - - - - -	66	330
Sand and boulders- - - - -	50	380
Gumbo and boulders - - - - -	59	439
Sand and boulders- - - - -	21	460
Hard rock- - - - -	3	463
Sand rock- - - - -	6	469
Sand and boulders- - - - -	132	601
Hard rock- - - - -	5	606
Sand and boulders- - - - -	18	624
Gumbo - - - - -	6	630
Packed sand - - - - -	25	655
Gumbo - - - - -	22	677
Sand and boulders- - - - -	20	697
Packed sand - - - - -	10	707
Sand, shale and boulders - - - - -	15	722
Gumbo - - - - -	12	734
Sand and boulders- - - - -	20	754
Gumbo - - - - -	27	781
Sand and boulders- - - - -	40	821
Gumbo - - - - -	31	852
Sand and gravel - - - - -	24	876
Gumbo - - - - -	5	881
Shale - - - - -	10	891
Sand rock - - - - -	6	897
Sandy shale - - - - -	20	917
Gumbo - - - - -	12	929

	Thickness (feet)	Depth (feet)
148 --Continued		
Shale - - - - -	35	964
Hard sand- - - - -	20	984
Sand; water - - - - -	26	1010
Shale - - - - -	10	1020
Blue gumbo - - - - -	25	1045
Sand and boulders- - - - -	38	1083
Gumbo - - - - -	25	1118
Brown shale - - - - -	30	1148
Sand; water - - - - -	22	1170
Gumbo - - - - -	18	1188
TOTAL DEPTH - - - - -		1188

149		
Soil and clay- - - - -	8	8
Fine-grained, soft sand - - - - -	20	28
Clay - - - - -	6	34
Sand - - - - -	17	51
Clay and gravel - - - - -	13	64
Clay - - - - -	6	70
Coarse-grained sand and gravel - - - - -	12	82
Clay - - - - -	3	85
Packed sand - - - - -	4	89
Clay and rock - - - - -	61	150
TOTAL DEPTH - - - - -		150

152		
Soil - - - - -	5	5
Sand - - - - -	35	40
Clay - - - - -	14	54
Sand and gravel - - - - -	7	61
Gravel with lenses of clay - - - - -	21	82
Gravel - - - - -	20	102
Clay and gravel - - - - -	34	136
Gravel - - - - -	42	178
Rock - - - - -	2	180
Sand - - - - -	5	185
Hard pan - - - - -	12	197
TOTAL DEPTH - - - - -		197

153		
Soil - - - - -	6	6
Red clay - - - - -	40	46
Fine-grained sand to heavy gravel- - - - -	49	95
Yellow clay - - - - -	13	108
Sand and gravel - - - - -	30	138
TOTAL DEPTH - - - - -		138

158		
Soil and clay - - - - -	16	16

(Continued on next page)

Table of Drillers' Logs, Wharton County --Continued

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
<u>158 --Continued</u>				<u>232</u>			
Sand	-	34	50	Soil and clay-	-	10	10
Clay	-	2	52	Sand	-	40	50
Sand	-	9	61	Clay	-	10	60
Clay	-	15	74	Sand	-	10	70
Sand	-	25	99	Clay	-	52	102
Clay	-	14	113	Sand	-	42	144
Sand	-	64	177	Clay	-	5	149
Shale-	-	19	196	Sand	-	20	169
Sand	-	22	218	Clay	-	14	183
Clay	-	13	231	Sand	-	8	191
Sand	-	15	246	Clay	-	17	208
Shale-	-	6	252	Gravel with clay	-	-	-
Sand	-	19	271	streaks-	-	22	230
Clay	-	6	277	Gravel	-	21	251
Sand	-	36	313	Clay	-	22	273
"H rd pan"	-	-	313	Gravel	-	24	297
TOTAL DEPTH	-	-	313	Clay	-	14	311
<u>165</u>				Gravel	-	56	347
Soil	-	10	10	TOTAL DEPTH	-	-	347
Clay	-	26	36	<u>241</u>			
Sand	-	30	66	Surface soil	-	1	1
Gravel	-	11	77	Sandy clay-	-	9	10
Clay	-	19	96	Clay	-	10	20
Gravel	-	49	145	Red sand	-	21	49
Clay	-	32	177	Chocolate-colored clay-	-	31	80
Gravel	-	105	280	Coarse-grained sand:	-	-	-
TOTAL DEPTH	-	-	280	water	-	70	150
<u>196</u>				Clay	-	70	226
Soil and clay-	-	10	10	Fine-grained sand-	-	8	254
Sand	-	29	39	Sand and gravel	-	15	249
Clay	-	45	84	Gravel	-	27	276
Sand	-	16	100	Pink gumbo	-	14	290
Clay	-	5	105	Sandy lime	-	14	304
Sand	-	4	109	Clay and gravel	-	6	310
Clay	-	39	148	Sandy gumbo and lime	-	14	324
Sand	-	20	168	Gumbo and lime	-	12	336
Clay	-	27	195	Packed sand	-	5	339
Gravel	-	21	216	Gumbo and lime	-	15	354
Hard clay-	-	31	247	Soft gumbo	-	9	363
Gravel	-	31	277	Sand	-	10	373
Clay	-	66	344	Coarse-grained sand	-	-	-
Sand and gravel	-	66	410	and gravel	-	31	404
TOTAL DEPTH	-	-	410	Blue gumbo-	-	21	425
<u>216</u>				Sand and gravel	-	4	429
Clay	-	25	25	Sand	-	6	435
Fine-grained sand-	-	20	45	Sandy gumbo	-	7	442
Coarse-grained sand	-	46	91	Fine-grained sand;	-	-	-
sandy clay	-	35	124	water	-	7	449
Red-sized gravel	-	33	157	Hard sand and lime	-	15	462
TOTAL DEPTH	-	-	157	Sand, shale and lime	-	18	480
				Hard sand	-	4	484
				Gumbo	-	3	487

Table of Drillers' Logs, Wharton County --Continued

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
<u>243</u>				<u>244 --Continued</u>			
Surface soil - - -		1	1	Blue gumbo - - -		30	506
Sandy clay- - - -		7	8	Fine-grained sand-		22	528
Joint clay- - - -		12	20	Gumbo- - - - -		22	550
Red quicksand- - -		14	34	Fine-grained sand;			
Chocolate-colored clay-		40	74	water - - - - -		30	580
Course-grained sand and				Gumbo and shale - - -		15	595
gravel; water - - -		37	37	Red clay - - - - -		12	407
Sand and gravel - - -		81	178	Blue gumbo - - - - -		3	410
Clay - - - - -		4	182	Fine-grained sand-		4	414
Gumbo- - - - -		18	200	Course-grained sand			
Gumbo and gravel - - -		27	227	and gravel - - - - -		7	421
Fine-grained sand;				Shale - - - - -		4	425
water - - - - -		21	248	Packed sand - - - - -		12	437
Sand and gravel - - -		12	260	Course-grained sand			
Gumbo- - - - -		16	286	and gravel - - - - -		35	470
Soft sandy gumbo - - -		12	298	Gumbo and shale - - -		13	483
Fine-grained sand;				Gumbo and lime - - -		19	502
water - - - - -		15	313	Sand and boulders - - -		5	507
Sandy shale and lime - -		11	324	Sand and shale- - - -		13	519
Blue gumbo- - - - -		5	329	Hard sand and boulders-		17	536
Gumbo- - - - -		14	343	Gumbo and lime - - -		39	575
Sand and gravel; water-		15	358	Sand rock - - - - -		1	576
Sand and gravel - - -		16	372	Sand and boulders-		71	607
Gumbo- - - - -			380	Sand and gravel - - -		2	609
Gumbo and gravel - - -		4	384	Sand, gravel and			
Sandy shale and lime - -		2	386	shale - - - - -		3	612
Fine-grained sand and				Sand and rusty shale - -		5	617
shale - - - - -		3	394	Gumbo and lime - - -		26	643
Course-grained sand				Rock- - - - -		1	644
and gravel - - - - -		25	419	Sandy shale and gumbo-		2	653
sand; water - - - - -		12	431	Fine-grained sand;			
Sand and gravel - - -		22	453	water - - - - -		2	657
Course-grained sand				Gumbo and lime- - - -		25	682
and gravel - - - - -		27	480	Hard, blue sand - - -		6	688
Gumbo and lime - - -		40	520	Shell, shale and lime-		10	698
				Fine-grained sand and			
				shell - - - - -		11	709
<u>244</u>				Gumbo and lime - - -		13	722
Surface soil - - - - -		2	2	Sand and boulders-		9	731
Sandy clay - - - - -		6	8	Sand and shale - - -		9	740
Chocolate-colored clay-		12	20	Gumbo and lime- - - -		23	763
Red sandy clay - - - -		7	27	Gumbo and boulders - - -		9	772
Chocolate-colored clay-		41	64	Gumbo and lime- - - -		27	799
Pink clay- - - - -		10	74	Packed sand - - - - -		3	802
Sandy silt - - - - -		4	78	Gumbo and shale - - -		14	816
Course-grained sand;				Sand; water - - - - -		10	826
water - - - - -		22	100	Hard shale and sand - - -		8	834
Course gravel and sand-		35	135				
Blue clay- - - - -		1	134				
Sand and gravel - - -		47	177	<u>245</u>			
Tough clay - - - - -		41	218	Clay - - - - -		49	49
Red sand and clay- - -		31	259	Sand and gravel - - -		123	172
Clay and gravel - - -		19	278	Clay - - - - -		59	231
Packed sand - - - - -		17	295	Soft sand- - - - -		5	236

(Continued on next page)

Table of Drillers' Logs, Harton County --Continued

	Thickness (feet)	Depth (feet)
<u>245 --Continued</u>		
Hard, coarse-grained sand		240
Sand and gravel	30	270
Gumbo	1	271
Sand and gravel	4	275
Picked sand	17	292
Blue gumbo	11	303
Fine-grained sand; water	18	321
Coarse-grained sand, gravel	11	332
Fine, picked sand	1	333
Coarse-grained sand and gravel	11	344
Gumbo	1	345
sandy shale	25	414
<u>249</u>		
Surface	31	31
Shale	19	50
Sand	6	56
Shale	8	64
Broken sand	18	82
Sand and gravel	9	91
Rock	1	92
Shale	1	93
Shale	1	94
TOTAL DEPTH		97
<u>250</u>		
Surface	35	35
Shale	1	36
Sand and shale	19	55
Gravel	13	68
TOTAL DEPTH		77
<u>255</u>		
Surface soil	2	2
Clay	10	12
Sand with clay breaks	30	42
Clay	23	65
Sand and gravel	103	168
Shale	15	183
Sand	27	210
Shale	7	217
Sand	12	229
Shale	19	248
Sand	35	283
Shale and hard layers of lime	31	314
Sand and rock	3	317
Rock with hard and sticky layers of sand	5	322
Shale and rock	28	350
Sand with breaks	25	375

	Thickness (feet)	Depth (feet)
<u>255 --Continued</u>		
Hard, picked sand	12	455
Rock and hard shale	1	456
Sand and rock	14	470
Lime rock	4	474
Sand	9	483
Lime rock	2	485
Sand	13	498
Lime rock	1	499
Sticky shale	4	503
Hard lime	10	513
Sticky lime	18	531
Lime rock	5	534
Lime with hard sticky layers	14	548
Lime with sandy layers	19	567
Shale and lime	40	607
Sticky lime and sandy breaks	12	649
Sandy lime and hard layers	59	708
<u>256</u>		
Surface soil	2	2
Clay	8	10
Sand	30	40
Clay	24	64
Sand and gravel	76	140
Clay	64	204
Gravel	56	260
<u>264</u>		
Soil	5	5
Clay	7	12
Sand and gravel	56	68
White clay	27	95
Sand and gravel	40	135
Rock	8	143
Clay and gravel	10	153
TOTAL DEPTH		152
<u>26C</u>		
Clay	50	50
Sand	12	62
Clay	4	66
Sand	12	78
Clay	10	88
Sand	42	130
Clay	9	139
Sand	12	151
Clay	32	183
Sand	41	224
Clay	15	239

(Continued on next page)

Table of Drillers' Logs, Wharton County --Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>266 --Continued</u>			<u>275 --Continued</u>		
Sand - - - - -	14	255	Clay - - - - -	16	155
Clay and rock- - -	8	261	Sand - - - - -	27	182
Sand and rock- - -	14	275	Clay - - - - -	5	187
TOTAL DEPTH - - -		275	TOTAL DEPTH - - -		187
<u>269</u>			<u>314</u>		
Soil and sand- - -	19	19	Clay - - - - -	7	7
Fine-grained sand- -	2	21	Sand - - - - -	16	23
Red and white shale -	25	46	Clay - - - - -	6	29
Fine-grained sand - -	8	54	Sand - - - - -	14	43
Clay with rock - - -	23	77	Clay - - - - -	15	56
Fine-grained sand- -	27	104	Sand - - - - -	50	106
Rock - - - - -		105	Clay - - - - -	16	122
Medium-grained sand -	51	136	Sand - - - - -	10	132
Rock - - - - -		136 $\frac{1}{2}$	Clay - - - - -	27	159
Tough clay - - - - -	1	138	Sand - - - - -	8	167
Medium-grained sand -	6	144	Clay - - - - -	34	191
Rock - - - - -		144 $\frac{1}{2}$	Sand - - - - -	17	208
Medium-grained sand -	20	165	Clay - - - - -	12	220
Tough clay - - - - -	6	171	Sand - - - - -	58	278
Sand with rock - - -	52	223	Gumbo- - - - -	33	311
Clay with rock - - -	14	237	Sand - - - - -	28	339
Sand - - - - -	15	252	Clay - - - - -	24	363
Clay with rock - - -	17	269	Sand - - - - -	38	401
			Gumbo- - - - -	7	408
			TOTAL DEPTH - - -		408
<u>275</u>					
Soil and clay - - -	27	27			
Sand - - - - -	5	32			
Tough clay - - - - -	20	52			
Hard pan - - - - -	32	84			
Sand - - - - -	22	106			
Clay - - - - -	15	121			
Sand - - - - -	12	133			

Results of field tests of samples collected in Wharton County, Texas, and tested in Feb., Mar., Apr., May and June 1934.

Parts per million

Well No.	Chloride	Hardness	Bicarbonate
2	94	190	192
3	130	240	212
4	26	120	148
6	47	160	188
7	-	-	-
8	188	380	326
9	118	310	308
12	230	390	326
13	50	200	-
14	20	110	-
30	145	310	304
33	152	300	310
34	50	240	-
35	30	240	-
36	30	110	-
37	40	180	-
50	90	390	-
51	60	340	-
52	340	550	-
53	30	490	-
54	40	320	-
55	40	440	-
56	40	350	-
57	180	370	-
70	40	160	-
71	30	110	-
72	60	220	-
73	110	375	-
74	180	325	-
75	120	310	-
90	30	320	-
91	140	345	-
92	120	280	-
93	100	320	-
94	110	460	-
95	60	220	-

Well No.	Chloride	Hardness	Bicarbonate
96	100	250	-
97	100	290	-
98	80	280	-
99	135	320	-
100	140	420	-
101	90	420	-
102	90	380	-
103	100	280	-
104	100	470	-
105	30	250	-
106	90	320	-
107	40	360	-
108	50	150	256
109	43	170	250
110	100	400	-
111	100	410	-
112	40	525	-
113	30	490	-
114	160	395	-
115	40	245	-
116	123	80	272
117	100	85	-
130	70	320	-
131	60	275	-
132	70	240	-
134	135	270	-
135	50	230	-
137	80	285	-
138	70	265	-
139	74	85	266
140	43	210	340
141	-	-	-
142	140	300	-
143	60	255	-
144	240	525	-
161	190	325	-

Well No.	Chloride	Hardness	Bicarbonate
162	2.750	-	-
163	185	300	-
164	175	310	-
170	81	250	356
172	90	320	-
174	140	360	-
180	130	255	-
181	78	240	344
182	120	320	-
185	90	230	-
187	110	325	-
188	280	425	-
189	110	310	-
205	90	265	-
206	700	710	-
207	30	140	-
208	80	295	-
210	220	360	-
211	110	300	-
213	325	390	-
214	85	260	-
215	150	390	-
230	120	410	-
231	110	320	-
232	640	520	-
233	50	310	-
234	190	350	-
235	90	250	-
236	50	420	-
237	80	320	-
238	50	175	-
239	85	260	-
240	110	410	-
242	120	150	-
243	50	200	-

Analyses of water from wells in Wharton County, Texas

Analyzed by Margaret D. Foster and E. W. Lohr, Chemists United States Department of the Interior, Geological Survey.

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)
1	Bob Fagsdale	175	May 27, 1940	-	-	-	-
3	L. R. Sublett	175	do.	-	-	-	-
4	Commercial State Bank	196	Aug. 2, 1934	165	2.05	38	4.3
4	do.	196	May 25, 1940	194	-	-	-
5	L. R. Sublett	165	May 27, 1940	-	-	-	-
7	Mike Wright	202	June 7, 1940	-	-	-	-
8	Lester Glaze	200	May 28, 1940	601	-	-	-
9	J. L. Hyatt	215	July 22, 1940	483	-	-	-
11	F. Adams Est.	250+	June 7, 1940	-	-	-	-
13	Joe Kubesch	46	May 31, 1940	300	-	-	-
14	P. H. Schoenfield	64	do.	131	-	-	-
15	Joe A. Wilson	116	June 3, 1940	-	-	-	-
16	Geo. Raun	243	do.	d/292	-	78	7.9
17	Elsie Ranch	243	do.	295	-	-	-
18	do.	221	do.	286	-	-	-
20	F. Adams Est.	146	May 31, 1940	d/740	-	167	14
24	Mrs. E. H. Koch	275	May 25, 1940	-	-	-	-
25	Geo. Raun	275	Apr. 23, 1940	364	-	-	-
26	E. Haws Est.	260	do.	343	-	-	-
28	do.	260	May 25, 1940	-	-	-	-
30	Bergstrom Bros.	356	do.	504	-	-	-
33	Harfst Bros.	285	Aug. 2, 1934	536	0.10	116	12
35	Taiton Gin	48	May 31, 1940	-	-	-	-
41	Geo. Raun	172	do.	-	-	-	-
42	T. T. Duncan	260	May 28, 1940	-	-	-	-
43	Russell Raun	275	June 3, 1940	-	-	-	-
46	B. T. Clark	125	May 31, 1940	-	-	-	-
49	Urban Wendel	230	May 27, 1940	484	-	-	-
51	G. H. Northington	200+	Apr. 17, 1940	354	-	-	-
52	Duncan Bros.	80+	do.	783	-	-	-
54	Glen Flora Gin	380	Apr. 12, 1940	d/337	.04	85	14
55	John Dorman	140	Apr. 20, 1940	-	-	-	-
56	N. P. Read	280	Apr. 3, 1934	333	0.17	85	15
56	do.	280	Apr. 20, 1940	340	-	-	-
58	Dr. L. Logue	44	do.	-	-	-	-
59	Lillie Jefferson	42	do.	770	-	-	-
60	Lora Hudgins	45	do.	-	-	-	-
61	Julius E. Heyne	35±	do.	677	e/6.03	-	-
62	D. R. Gaylor	69	do.	414	-	-	-
64	Carl Reynolds	60±	do.	982	-	-	-
65	Dave H. Hall	40+	do.	682	-	-	-
66	J. J. Pendegrass	65	do.	-	-	-	-
67	Willis Blackwell	40	do.	-	-	-	-
71	J. K. Kuban	65	Aug. 3, 1934	213	0.11	37	4.2
71	do.	140	Apr. 18, 1940	293	-	-	-
72	J. G. Leverage	160	do.	391	-	-	-
73	J. Hlavinka	34	Apr. 17, 1940	-	-	-	-

a/ Ppt. as CaCO<sub>3</sub>.

b/ Determined.

c/ Calculated.

(Parts per million. Well numbers correspond to numbers in tables of well records.)

Well	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> ) (turp.)	Chloride (Cl)	Fluoride (F)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (determined)
1	-	a/	c	26	-	-	-
3	-	a/	23	159	-	-	-
4	21	140	b/ 6.6	26	-	.10	c/113
4	26	158	6	34	-	-	126
5	-	a/	18	147	-	-	-
7	-	a/	13	115	-	-	-
8	83	338	18	134	-	-	363
9	64	310	23	119	.1	1.0	308
11	-	a/	23	210	-	-	-
13	58	a/	18	48	-	7.0	150
14	8.7	127.8	6	10	-	-	106
15	-	a/	15	39	-	-	-
16	26	262	b/ 9.2	41	-	1.2	c/227
17	34	290	7	27	-	-	210
18	34	278	10	25	-	-	201
20	95	308	b/31	280	-	1.2	c/475
24	-	a/	12	88	-	-	-
25	37	238	28	79	-	-	255
26	51	234	10	84	-	-	210
28	-	a/	18	162	-	-	-
30	59	304	17	142	-	-	338
33	74	314	b/29	150	-	.6	c/339
35	-	a/	4	18	-	-	-
41	-	a/	30	360	-	-	-
42	-	a/	34	272	-	-	-
43	-	a/	25	265	-	-	-
46	-	a/	12	93	-	-	-
49	72	300	15	133	-	-	292
51	14	283	16	60	-	-	300
52	86	472	b/71	141	-	46	510
54	30	350	b/ 8.1	27	-	.4	c/270
55	-	a/	5.0	35	-	-	-
56	25	334	b/ 9.3	25	-	.39	c/276
56	35	339.8	7.0	29	-	-	248
58	-	a/	26	215	-	-	-
59	197	460	b/61	188	-	-	278
60	-	a/	24	102	-	-	-
61	37	490	b/49	125	-	-	548
62	11	432	16	20	-	-	375
64	78	532	b/95	250	-	3.8	720
65	71	513	b/70	73	-	28	465
66	-	a/	b/47	34	-	23	-
67	-	a/	28	80	-	8.6	-
71	45	206	b/ 6.1	19	-	4.2	c/110
71	35	254	10	42	-	f/	201
72	51	350	8	55	-	f/	262
73	-	a/	40	96	-	180	-

d/ Sum of constituents.

e/ Fe in sediment.

f/ Less than 20 ppm.



## Analyses of water from wells in Wharton County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)
74	F. Bilicek	75±	Apr. 17, 1940	746	-	-	-
75	R. Bratcher	198	do.	455	-	-	-
77	Gus Semkel	110	Apr. 19, 1940	418	-	-	-
78	Louis Sklar	30±	do.	175	-	-	-
79	E. C. Cassady	50±	do.	494	-	-	-
80	Dr. -- Rogers	40±	do.	1,397	-	-	-
81	Wm. J. Corman	45	do.	523	-	-	-
83	Tom A. Smith	50	Apr. 18, 1940	-	-	-	-
88	Boettcher & Jones	28	Apr. 19, 1940	573	-	-	-
89	Will Border	42	do.	658	-	-	-
90	Mattie Bruss	60±	Apr. 17, 1940	431	-	-	-
91	S. H. Dodson	85	do.	-	-	-	-
95	Watt Shelton	28	do.	478	-	-	-
96	Frank Bucek	38	do.	473	-	-	-
100	Louis Macha	72	do.	-	-	-	-
105	John Roten	58	Apr. 10, 1940	-	-	-	-
106	A. Maddox	75	Apr. 16, 1940	-	-	-	-
107	Laura Stewart	42±	Aug. 3, 1934	477	0.25	132	27
108	City of Wharton	940±	Apr. 12, 1940	315	.12	37	13
109	do.	413	Aug. 3, 1934	303	0.15	67	14
109	do.	413	Apr. 12, 1940	300	-	-	-
118	Pierce Est. - The Texas Co.	218	do.	d/348	.03	79	14
119	L. P. Tabor	46	Apr. 20, 1940	753	-	-	-
120	Hallie Godfrey	40±	do.	548	-	-	-
121	W. M. Border	208	Apr. 12, 1940	d/358	.05	82	15
122	Pierce Est. - The Texas Co.	314	do.	521	e/6.6	-	-
123	do.	302	do.	d/363	.06	74	17
124	do.	530	do.	d/293	.11	67	14
126	do.	267	do.	363	-	-	-
129	A. C. Thompson	21	do.	1,893	-	-	-
132	Conway Boston	40	June 5, 1940	-	-	-	-
134	Ervin Brod	60±	June 14, 1940	-	-	-	-
135	N. L. Franke	32	June 5, 1940	407	-	-	-
137	A. D. Manofsky	55	Aug. 2, 1934	463	0.10	102	19
139	Central Power & Light Co.	1,098	do.	365	0.07	15	5.5
139	do.	1,098	Apr. 13, 1940	351	-	-	-
140	P. Dornak	102	June 4, 1940	-	-	-	-
145	W. A. Sears	100	do.	-	-	-	-
146	John Boyd	300±	June 14, 1940	-	-	-	-
147	Alf. N. Nilson - The Texas Co.	216	Apr. 12, 1940	-	-	-	-
148	Central Power & Light Co.	1,188	Apr. 13, 1940	364	-	-	-
158	-- Hartman	313	July 24, 1940	358	-	-	-
166	H. P. Stockton	310	June 12, 1940	-	-	-	-
170	C. C. Appling	286	do.	-	-	-	-
173	Stoval & Appling	390	do.	-	-	-	-

a/ Ppt. as CaCO<sub>3</sub>.

b/ Determined.

c/ Calculated.

(Parts per million. Well numbers correspond to numbers in tables of well records.)

Well	Sodium and Potassium (Na + K) (calc. )	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> ) (turb.)	Chloride (Cl)	Fluoride (F)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (determined)
74	112	282	15	215	-	103	390
75	50	300	16	114	-	f/	315
77	76	360	3	67	-	f/	232
78	14	100	1	24	-	37	117
79	84	315	12	134	-	f/	278
80	331	522	b/202	420	-	1.6	518
81	116	228	20	150	-	11	225
83	-	a/	26	180	-	f/	-
88	132	442	16	114	-	f/	252
89	162	470	30	140	-	f/	262
90	43	403	7	30	-	26	308
91	-	a/	16	133	-	-	-
95	101	360	7	79	-	30	218
96	132	366	14	90	-	3.0	158
100	-	a/	14	96	-	f/	-
105	-	a/	51	66	-	f/	-
106	-	a/	69	58	-	f/	-
107	18	529	b/ 26	12	-	1.7	c/441
108	70	253	b/ 23	47	-	.36	c/146
109	32	256	b/ 16	47	-	.75	c/225
109	37	250	14	44	-	1.2	201
118	38	297	b/ 15	56	-	.16	c/255
119	61	664	b/ 91	45	-	-	570
120	45	492	32	58	-	-	420
121	35	230	b/ 14	98	-	.50	c/266
122	68	358	14	127	-	.25	339
123	44	286	b/ 17	70	-	.10	c/255
124	29	276	b/ 13	34	-	.36	c/225
126	52	295	14	61	-	.0	240
129	469	562	b/109	795	-	f/	675
132	-	a/	17	75	-	-	-
134	-	a/	28	184	-	-	-
135	65	376	3	50	-	1.2	248
137	54	417	b/ 12	64	-	6.3	c/333
139	127	267	b/ 10	76	-	.10	c/ 60
139	128	266	7	74	-	.0	52
140	-	a/	5	55	-	-	-
145	-	a/	13	64	-	-	-
146	-	a/	25	123	-	-	-
147	-	a/	9	62	-	-	-
148	135	270	7	81	-	.0	50
158	59	328	9	45	-	-	213
166	-	a/	18	187	-	-	-
170	-	a/	11	81	-	-	-
173	-	a/	b/23	110	-	-	-

d/ Sum of constituents.

e/ Fe in sediment.

f/ Less than 20 ppm.

## Analyses of water from wells in Wharton County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)
175	Mores Saman	197	June 13, 1940	-	-	-	-
176	E. Saman	248	do.	461	-	-	-
177	J. L. Myatt	150	do.	-	-	-	-
179	C. C. Appling	371	do.	400	-	-	-
182	E. C. Peterson	32	June 4, 1940	574	-	-	-
187	Chas. Davis	88	Aug. 2, 1934	502	2.9	82	27
187	do.	88	June 5, 1940	b/794	-	-	-
188	Viggo Anderson	35±	do.	893	-	-	-
189	T. Lonwood	30	do.	-	-	-	-
191	Walter Garrett	310	June 12, 1940	-	-	-	-
194	R. L. Sublett	302	June 13, 1940	-	-	-	-
197	Mauritz Bros.	165	do.	-	-	-	-
198	H. D. Allen	410	do.	a/479	-	95	23
202	Chas. Dabaval	386	do.	386	-	-	-
206	F. J. Bohuslav	68	June 14, 1940	-	-	-	-
210	C. A. Ellwood	65	June 5, 1940	-	-	-	-
211	A. Carville	30	do.	520	-	-	-
213	J. M. Halamicek	45	do.	1,112	-	-	-
215	A. C. Thomson	28	June 14, 1940	-	-	-	-
216	do.	157	do.	694	-	-	-
221	Myatt & Beck	160	June 5, 1940	-	-	-	-
222	J. L. Myatt	200	do.	a/448	-	93	14
223	Chas. Shult	165	do.	-	-	-	-
225	Geo. Duffy	126	do.	-	-	-	-
229	J. C. Allen	314	June 4, 1940	a/507	-	82	18
230	W. A. Moers	42	Apr. 10, 1940	605	-	-	-
231	Chas. Davis	56	do.	-	-	-	-
233	W. E. Rodgers	34	do.	-	-	-	-
234	Caroline Henry	50±	do.	921	-	-	-
235	Chas. Morris	200±	do.	a/351	e/3.22	68	18
236	C. L. Lane	93	Aug. 3, 1934	556	1.7	111	30
238	Bowling Ice & Water Co.	754	Apr. 10, 1940	a/313	.10	38	14
239	G. C. & S. F. Ry.	392	do.	-	-	-	-
242	Texas Gulf Sulphur Co.	532	Apr. 11, 1940	490	-	-	-
243	do.	530	do.	232	-	-	-
244	do.	334	do.	466	-	-	-
245	do.	414	do.	571	-	-	-
246	E. V. Baker	90	do.	620	-	-	-
247	do.	116	do.	904	-	-	-
248	do.	116	do.	941	-	-	-
249	do.	87	do.	b/950	-	-	-
250	do.	87	do.	701	e/1.5	-	-
251	Duval Texas Sulphur Co.	650±	do.	276	-	-	-
253	do.	650±	do.	275	-	-	-
257	A. C. Cockburn	35	Apr. 22, 1940	-	-	-	-
258	Geo. Cockburn	260	do.	b/403	-	-	-
261	Leo. Bodungen	190	June 3, 1940	684	-	-	-
268	Bisken-Meyers	275	June 1, 1940	-	-	-	-
271	J. B. Putnam	130	June 3, 1940	628	-	-	-

a/ Ppt. as CaCO<sub>3</sub>.

b/ Determined.

c/ Calculated.

(Parts per million. Well numbers correspond to numbers in tables of well records.)

Well	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> ) (turb.)	Chloride (Cl)	Fluoride (F)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (determined)
175	-	a/	10	90	-	-	-
176	72	370	13	84	-	-	278
177	-	a/	13	57	-	-	-
179	51	350	9	60	-	-	270
182	89	420	14	128	-	-	345
187	79	398	b/ 15	103	-	.17	c/316
187	212	508	25	210	-	-	278
188	195	370	b/107	272	-	-	375
189	-	a/	10	108	-	-	-
191	-	a/	12	77	-	-	-
194	-	a/	12	66	-	-	-
197	-	a/	12	85	-	-	-
198	60	352	18	110	-	.0	c/332
202	-	a/	12	60	-	-	-
206	-	a/	360	765	-	-	-
210	-	a/	60	220	-	-	-
211	97	398	18	102	-	-	278
213	265	436	b/179	310	-	1.5	405
215	-	a/	10	63	-	-	-
216	126	452	b/ 37	166	-	-	368
221	-	a/	20	94	-	-	-
222	65	368	b/ 13	82	-	.0	c/290
223	-	a/	27	81	-	-	-
225	-	a/	7	62	-	-	-
229	92	361	b/ 29	108	-	.40	c/279
230	63	512	26	89	-	.0	435
231	-	a/	8	44	-	1.9	-
233	-	a/	16	52	-	4.2	-
234	250	542	b/ 70	232	-	f/	300
235	44	260	b/ 15	78	-	.16	c/244
236	66	541	b/ 39	43	-	.10	c/400
238	67	257	b/ 21	46	-	.16	c/152
239	-	a/	6	80	-	.25	-
242	142	360	14	106	-	.25	150
243	36	230	16	42	-	.25	186
244	161	324	20	105	-	.0	84
245	213	360	20	152	1.0	.20	69
246	119	484	4	132	-	.25	327
247	255	368	4	370	-	f/	273
248	240	422	4	365	-	f/	342
249	227	386	1	392	-	f/	378
250	175	412	10	215	-	f/	270
251	57	254	16	26	-	.20	138
253	80	226	20	36	.5	.0	84
257	-	a/	20	225	-	f/	-
258	-	-	-	-	-	-	-
261	104	336	30	226	-	-	398
268	-	a/	28	177	-	-	-
271	109	322	27	200	-	1.0	338

d/ Sum of constituents.

e/ Fe in sediment.

f/ Less than 20 ppm.

## Analyses of water from wells in Wharton County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)
274	Myatt & Beck	169	May 27, 1940	-	-	-	-
280	Mrs. Alfred Peterson	190	May 31, 1940	-	-	-	-
281	C. W. Beckett Est.	201	do.	956	-	-	-
291	Paul Herman	-	June 3, 1940	-	-	-	-
292	Wm. Koch	280	June 12, 1940	445	-	-	-
299	Walter Garrett	180	do.	814	-	-	-
308	Frank Olson	200	June 4, 1940	-	-	-	-
309	Olson Bros.	250	do.	-	-	-	-
313	Dr. O. E. Ellison	65	do.	-	-	-	-
314	Otto Mickelson	408	do.	c/668	-	106	27
318	John V. Mazoch	260	July 25, 1940	488	-	-	-
320	Gadeke Est.	-	do.	467	-	-	-

a/ Ppt. as CaCO<sub>3</sub>

b/ Determined.

c/ Calculated.

(Parts per million. Well numbers correspond to numbers in tables of well records.)

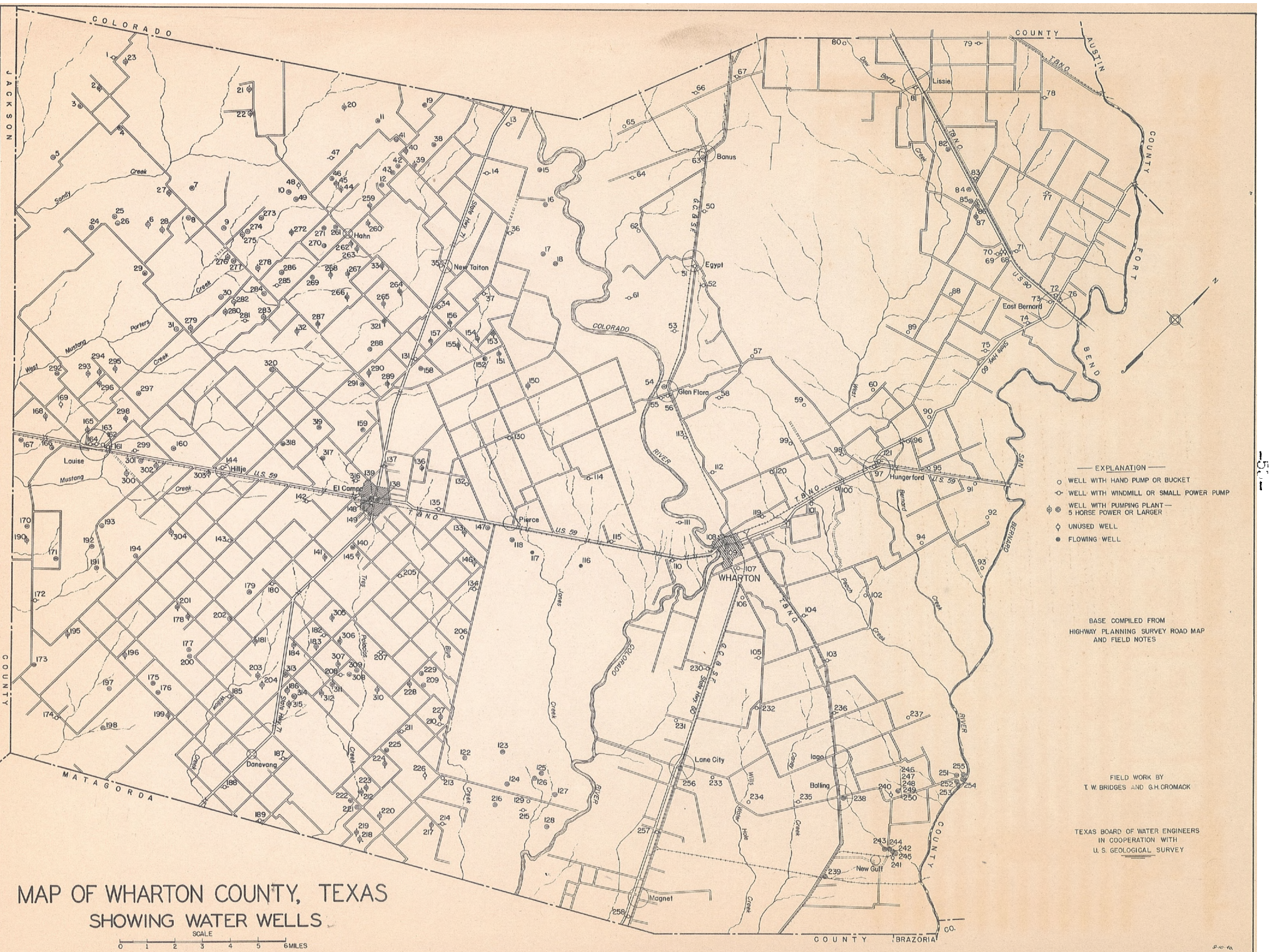
Well	Sodium and Potassium (Na + K) (calc. )	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> ) (turb.)	Chloride (Cl)	Fluoride (F)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (determined)
274	-	a/	10	103	-	-	-
280	-	a/	28	180	-	.5	-
281	206	444	b/ 64	310	-	-	420
291	-	a/	17	50	-	-	-
292	60	310	20	99	-	-	285
299	163	454	b/ 62	218	-	-	390
308	-	a/	8	76	-	-	-
309	-	a/	10	73	-	-	-
313	-	a/	17	133	-	-	-
314	118	418	b/ 20	190	-	1.0	c/376
318	82	390	34	71	-	1.4	278
320	66	318	17	110	.2	1.5	c/292

d/ Sum of constituents.

e/ Fe in sediment.

f/ Less than 20 ppm.





- EXPLANATION —
- WELL WITH HAND PUMP OR BUCKET
  - ◐ WELL WITH WINDMILL OR SMALL POWER PUMP
  - ⊕ WELL WITH PUMPING PLANT — 5 HORSE POWER OR LARGER
  - ◇ UNUSED WELL
  - FLOWING WELL

BASE COMPILED FROM  
HIGHWAY PLANNING SURVEY ROAD MAP  
AND FIELD NOTES

FIELD WORK BY  
T. W. BRIDGES AND G. H. CROMACK

TEXAS BOARD OF WATER ENGINEERS  
IN COOPERATION WITH  
U. S. GEOLOGICAL SURVEY

MAP OF WHARTON COUNTY, TEXAS  
SHOWING WATER WELLS

SCALE  
0 1 2 3 4 5 6 MILES