## WHARTON COUNTY. TEXAS

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

## TEXAS STATE BOARD OF VATER ENGINEERS

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

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Introduction
By
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Texas State Board of Water Engineers

This release contains records of wells and pumping plants and the amount of land irrigated from wells in Tharton 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 acr age 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 \$20,000,000 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.

-3-Records of wells in Tharton County, Texas

Well - 1	Distance from Hahn	Owner	Driller	com-	Denth of	Diam- eter	Depth to which	Height of measuring point
	from			com-	1 1		1	
1	,							
1.			1	ple-	well	$\circ f$	well is	
1	;				(ft.)		cased	ground
1				004	(20.)	(in.)	(ft.)	(ft.)
	ll miles	Bob Ragsdale	Otto Mickelson	1928	155		155	0.5
į	west					12		
								<i>j</i>
2	l) a miles	Ike Spencer	do.	1928	323	24,	323	0
	west	F 1				12	1	
3	ll miles	L. R. Sublett	₫o•	1927	175	16	175	
İ	west							
4	9 miles	Commercial State	do.	1925	196	24,		0
	southwest	Bank				12		
l								
5	ll miles	L. R. Sublett	Wm. Thomas	1927	165	24,		
	southwest					10		
6	7분 miles	E. Haws Est.	do.	1917	286	24,	286	0
	southwest	J.				12		
		·	!					
								•
7	6 miles	Mike Wright	Otto Mickelson	1927	202	24,	202	
	south	Ú				12		
8	6 miles	Lester Glaze	do.	1912	200	24,		0
	southwest		·			9		
						5/8		
9	4분 miles	J. L. Myatt	Wm. Themas	1918	216	24,		0
	southwest	•				10		
10	2늘 miles	Richard Meeks	Otto Mickelson	1928	255	24,	255	
	west					12		
11	$4\frac{1}{4}$ miles	F. Adams Est.	Pat Smidt		250+	24,	1	0
	northwest				_	10		
12	$2\frac{1}{4}$ miles	Geo. Raun	Otto Mickelson	1920	261	24,	261	0
	north					12		
13	$6\frac{1}{2}$ miles	Jce Kubesch	Joe Kubesch	1908	46	36	46	
	north			į				
14	$5\frac{1}{2}$ miles	Р. Н.	H. Svoboda	1931	64	6		
	north	Schoenfield						
	7 miles	Joe A. Wilson	Otto Mickelson	1940	116	18,	116	
15	northeast					16		
15	I THAT MICES A		<del>,</del>	1940	243		5. 243	
_		Geo. Wilson	do.	TAAO	i ~±0:	~~ • <u></u>	ο, ωπο	,
_	$6\frac{1}{2}$ miles	Geo. Wilson	do.	1940	240	12	), 5±0	
16	6½ miles northeast		do.			12	243	
16	$6\frac{1}{2}$ miles	Gec. Wilson Elsie Ranch		1926	243	,	Ĺ	

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)

	A.			led unless	otherw	ise ind	icated in "Remarks" column)
	Water	r level	Method				
No.	Denth	Date of	of lift	Estimated	Use	Land	Remarks
		measure-	and	yield	of'	irri-	
	measu		power	(g.o.m.)	water	gated	
	ing po		1939	1,0	1939	1939	
	(ft.)		a/		<u>b</u> /	(acres)	
	37.49			800	S S	(acres)	Casinz: 90 feet of 18-inch par-
1	37.49	, ,	C,W	800	10		•
		1940					tially screened; 65 feet of 12-
						<u> </u>	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
					<u> </u>		125 to 178, 189 to 214, 247 to 289
3			T,E,	1,095 c/	I		301 acres and 305 to 323 feet.
			30	_			irrigated in 1939 from this well
							and well 5. Screens set at 40 to
							100 and 131 to 175 feet. Tempera-
	38.9	Aug. 30,	m n		<u> </u>	1 7 0 7	
4	20.3		T,D,		I	181	Temperature 73° F. ture 73° F.
	DE 00	1935	50				
	37.99	,					
		1940	<u> </u>				
5			T,E,	700	S,I		Dr.
			30				
6	36.5	May 31,		1,200	N		Casing: 65 feet of 24-inch.
		1940					Reported, in 1940, no irrigation
	35.90		1				since 1926.
	00-00	1940					
7		1010	T,G.		I	<del> </del>	Casing: 58 feet of 24-inch.
,			1		1		_
		<b>!</b>	35				Screens set at 58 to 79, 91 to
			<del></del>	3 003	<del> </del>	ļ., <u>.</u>	1C1, 106 to 146 and 163 to 202
8	37.12	Aug. 30,	Т,Е,	1,803	I	112	feet:
		1935	30				
	36.96	<b>,</b>					
		1940					
9	33 <u>d</u> /	Apr,	T,Tr,	1,250	I	72	1
:	_	1940	32				
10			T,G,	2,500	I	243	Casing: 68 feet of 24-inch.
			75	'			Screens set at 73 to 133, 143 to
							2)3, 215 to 235 and 245 to 255
7.1	41.60	May 31,	T,D,		l I	140	
1 <b>1</b>	±T.00	1940	1		<u> </u>	TIO	<u>feet.</u>
7.0	rz rz .a. /		40	1 750	I	<del> </del>	[Common CO Cont = 2 Co. 1 ]
Tα	37 <u>d</u> ∕	Feb,	T,D,	1,350	1		Casing: 68 feet of 24-inch.
	· · · · · · · · · · · · · · · · · · ·	1934	60	<u></u>		ļ	Stand by well.
13			C,W		D,S		Dug; brick casing.
14			C,W		D,S		
15			T,G,	2,000	I		Casing: 80 feet of 18-inch.
			40	1	-		Screens set at 60 to 80 and 82 to
16			T,D,	2,500	T		Casing: 73 feet of 116 feet. e/
10			100	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
7 177		<u> </u>		<del> </del>	I	1000	20-inch. Screen set at 58 to 243
17			3,0,		1 1	200	Casing: 64 feet of 24-   feet. e/
			85	1			inch. Screens set at 107 to 137
						1	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

Distance		1	Records of we.	lls in Charton C	·	O JII U .	Inuea	Depth	Height of
From   Habn	well	Distance	Owner	Driller	Date	Deoth	Diam-	-	_
Sahn	•	;		1					1.0
ted (ft.)   well   cased ground (ft.)   (ft.		•				i	i		
18,7½ miles   Disis Ranch   Otto Kickelson   1086   221   24,   221		1101111					1	1 1	
18,78 miles				1	i vea	(100)		•	
	7.0	71 milea	Flair Panch	Otto Miakolan	7026	991			
19  55 miles	10		l .	Otto Mickerson	1320	221	t ·	261	
	19			do.	1940	97		<del>  - 97</del>	
### ### ### ### ### ### ### ### ### ##		. ~	1				1	1 .	
21 6 miles   Dr Waugh   do.   1924   112   24,   112   0   22 6 miles   Dr Waugh   do.   1926   108   24,   108   0   23 10 miles   Bob Ragsdale   Otto Mickelson   1028   175   24,   175   2.1   24   S miles   Mrs. E. H. Koch   Wm. Thomas   1913   275   24,   275     25   Smiles   Geo. Raun   do.   1922   275   24,   275     25   Smiles   Geo. Raun   do.   1922   275   24,   275   0   27   T miles   Kelley Est.   do.   1922   260   24,   260   0   27   T miles   Kelley Est.   do.   1913   210   24,   210   3.6   28   do.   E. Haws Est.   do.   1922   260   24,   260   0   28   do.   E. Haws Est.   do.   1922   260   24,   260   0   29   T miles   Kelley Est.   do.   1922   260   24,   260   0   29   T miles   Raiph Stockton   do.   1922   260   24,   260   0   29   T miles   Bergstrom Bros.   do.   1920   356   24,     4.6   20   Smiles   Bergstrom Bros.   do.   1920   356   24,     1.0   31   M miles   Go.   do.   1917   285   24,     1.0   32   M miles   Harfst Brcs.   Otto Mickelson   1915   262   24,     1.0   33   M miles   J. Heyne     1998   60       25   3 m miles   Taiton Cin   Merta Bros.   1932   48   5     25   3 m miles   Taiton Cin   Merta Bros.   1932   48   5     25   3 m miles   Taiton Cin   Merta Bros.   1932   48   5     25   3 m miles   Taiton Cin   Merta Bros.   1932   48   5     26   Miles   Ben Socolofsky   Charley   1915   200   24,     4.0   36   4 miles   Ben Socolofsky   Charley   1915   200   24,     4.0   36   4 miles   Ben Socolofsky   Charley   1915   200   24,     4.0   37   Column   Calley   Charley   1915   200   24,     4.0   38   4 miles   Ben Socolofsky   Charley   1915   200   24,     4.0	20	4분 miles	F. Adams Est.	Pat Smidt	1926	146	20,	146	
22   5\frac{1}{2} \text{ miles west }   12   108   1		northwest			*	!	12		
22   5\frac{1}{2} \text{ miles west }   12   108   1	21	6 miles	Slessinger	do.	1924	112	24.	112	0
22   5½ miles   Dr Waugh   do.   1926   108   24   108   0   122		~	1		1	1			
West   Bob Ragsdale   Otto Mickelson 1928   175   24,   175   2.1   12			Control of the contro		ì			:	
West   Bob Ragsdale   Otto Mickelson 1928   175   24,   175   2.1   12		1				ļ			
23   10\frac{1}{2} \text{ miles}   \text{Bob Ragsdale}   \text{Otto Mickelson}   1928   175   24,   175   2.1   12   24   9 \text{ miles}   \text{Mrs. E. H. Koch}   \text{Wm. Thomas}   1913   275   24,   275	22	. ~	Dr Waugh	do.	1926	, 108		108	0
West		west			1 1	1	12	<u>'</u>	
West	23	i 104 milea	Roh Pagadala	Otto Mickelson	1020	175	24	175	9 1
24 9 miles	ಒರ	~	DOD Magadate	0000 MICKEISON	1360	1/0		175	£• I
Southwest   Geo. Raun   Go.   1922   275   24		Webu					14.		
Southwest   Geo. Raun   Go.   1922   275   24	24	9 miles	Mrs. E. H. Koch	Wm. Thomas	1913	275	24.	275	
18		1	1						
180	? 25			do.	1922	275		275	<del>U</del>
27   7   miles   Kelley Est.   do.   1918   210   24,   210   3.6   28   do.   E. Haws Est.   do.   1922   260   24,   260     12   29   7½   miles   Ralph Stockton   do.   1922   260   24,   260   0   12   250   24,   260   0   25   25   24,   260   0   25   25   25   25   25   25   25		~							
27 7 miles   Kelley Est.   do.   1918   210   24,   210   3.6   12   28   do.   E. Haws Est.   do.   1922   260   24,   260     12   29   7½ miles   Ralph Stockton   do.   1922   260   24,   260   0   12   20   25   24   260   0   12   20   25   24   260   0   25   24   260   0   25   24   260   0   25   24   260   25   25   25   25   25   25   25   2	. 26	do.	E. Haws Est.	do.	1922	260	24,	260	0
Southwest   Sout									
28	27	1	Kelley Est.	do.	1918	210		210	3.6
29 7½ miles   Ralph Stockton   do.   1922   260   24.   260   0									
29 7½ miles   Ralph Stockton   do.   1927   260   24.   260   0	28	do.	E. Haws Est.	do.	1922	260	, -	260	
Southwest   12   12   13   14   15   15   15   16   17   17   18   18   18   18   18   18		   m1			7.000			0.00	
Do   5 miles   Bergstrom Bros.   do.   1920   356   24,     4.0   12   31   7 miles   Tom Thomas   do.   1910   310   24,     1.0   10   32   4 miles   Harfst Brcs.   Otto Mickelson   1915   282   24,     1.0   10   33   1\frac{2}{4}\$ miles   do.   do.   1917   285   24,     1.0   10   34   4 miles   J. Heyne     1898   60\frac{2}{4}\$ miles   east   Taiton Gin   Merta Bros.   1932   48   5       1.0   10   10   10   10   10   10   1	29	; ~	1 ~	do.	1922	250		260	Ü
South   12   150   310   24,   1.0   10   310   24,   1.0   10   310	<del></del>	<del>                                     </del>		3.	7.000	7EC			4.0
31 7 miles   Tom Thomas   do.   1910   310   24,     1.0     32 4 miles   Harfst Brcs.   Otto Mickelson 1915   282   24,     1.0     33 1\frac{3}{4}\text{ miles   do.   do.   1917   285   24,     1.0     34 4 miles   J. Heyne     1898   60\frac{4}{2}         35 3\frac{1}{2}\text{ miles   Taiton Gin   Merta Bros.   1932   48   5         36 6 miles   F. R. Amman   do.   1925   55   6         37 5\frac{1}{2}\text{ miles   C. A. Schumaker   C. A.   1920   65   5         38 4\frac{1}{2}\text{ miles   Ben Socolofsky   Charley   1915   200\frac{4}{2}\text{ 4.0}     4.0	<i>J</i> ()	1	pergation pros.	ao.	TAZO	- 500 			4.0
South   10   10   32   4 miles   Harfst Brcs.   Otto Mickelson 1915   282   24,   1.0   10   10   10   10   10   10   1	מז		Tom Thomas	30	1010	310			1 0
32 4 miles south  33 1 miles do. do. 1917 285 24, 1.0  34 4 miles east  35 3 miles Taiton Gin Merta Bros. 1932 48 5 northeast  36 6 miles F. R. Amman do. 1925 55 6 1920 65 5 Schumaker  37 5 miles Den Socolofsky Charley 1915 200+ 24, 4.0	JΙ		TOIN THOMAS	u0•	1310	910			1.0
South   10   10   33   1\frac{2}{4} \text{ miles } do.		South					10		
South   10   10   33   1\frac{2}{4} \text{ miles } do.									
33   14 miles   do.   do.   1917   285   24,   1.0     34   4 miles   J. Heyne     1898   60+       east     35   3½ miles   Taiton Gin   Merta Bros.   1932   48   5         36   6 miles   F. R. Amman   do.   1925   55   6         northeast     37   5½ miles   C. A. Schumaker   C. A.   1920   65   5         schumaker     38   4½ miles   Ben Socolofsky   Charley   1915   200+ 24,   4.0	32	4 miles	Harfst Bres.	Otto Mickelson	1915	282	24,		1.0
east   10   34 4 miles   J. Heyne     1898   60+       east   35 3\frac{1}{2} miles   Taiton Gin   Merta Bros.   1932   48   5		south					10		
east   10   34 4 miles   J. Heyne     1898   60+       east   35 3\frac{1}{2} miles   Taiton Gin   Merta Bros.   1932   48   5									
east   10   34 4 miles   J. Heyne     1898   60+       east   35 3\frac{1}{2} miles   Taiton Gin   Merta Bros.   1932   48   5									
34 4 miles J. Heyne 1898 6C+	33		do.	do.	1917	285			1.0
east		east					10		
east									
east	·	4 miles	T Warran		1000	C () -			
35 3\frac{1}{2} miles	34	í	o Heyme		TOAD	007			
northeast	, <u>'</u> ''', ''', '', '', '', '', '', '', '',		Taiton Gin	Merta Bros.	1932	10	5		
36 6 miles			TOTOON OTH	MOT OU DIVID*	2. UUN	ŦŨ	Ų		
northeast         C. A. Schumaker         C. A. 1920         65         5             37 5½ miles         C. A. Schumaker         C. A. 1920         65         5             38 4½ miles         Ben Socolofsky         Charley         1915         200+         24,          4.0	38		F. R. Amman	đo.	1925	55	ŕ		***
37 $5\frac{1}{2}$ miles       C. A. Schumaker       C. A.       1920       65       5           northeast       Schumaker       .<				<del></del> -	0	-			
northeast Schumaker	37		C. A. Schumaker	C. A.	1920	65	5		<del></del>
38 4½ miles Ben Socolofsky Charley 1915 200+ 24, 4.0				Schumaker				- 1	
	38		Ben Socolofsky		1915	200+			4 · C
		north		Wickelson		!	9-5/8		

-	T/7- : :	7 7	Math - 1	<del></del>	1		
TAT -		r level	Method	To a + 3	TT	T 7	Da
1//O •		Date of		Estimated	1	Land	Remarks
	Ì	measure-	3	yield	of	irri-	
	measu:		power	(g.p.m.)	water		
	ing p		1939		1939	1939	
	(ft.)		<u>a/</u>		<u>p</u>	(acres)	
18			T,D,		I	205	Casing: 69 feet of 24-inch.
			75				Screens set at 106 to 135 and 161
19			T,G,		I		Casing: 75 feet of to 221 feet.
			35				18-inch. Screen set at 55 to 27
20			T,D,		N		Casing: 60 feet of 20-inch. feet.
			40				Screen set at 60 to 146 feet.
							Gravel reported from 43 to 146
21	32.66	June 1,		1,220	N.		Casing: 55 feet of 24- feet.
		1940	•				inch. Screens set at 55 to 75
							and 83 to 112 feet. Reported, in
					İ		1940, no irrigation for several
22	31.36	do.		1,180	N		Casing: 50 feet of 24- years.
İ				-			inch. Screen set at 50 to 108
					1		feet. Reported, in 1940, no irri-
23	41.17	May 27,			N		Casing: 68 gation since 1931.
		1940					feet of 24-inch. Screen set at
		0					68 to 175 feet. Reported, in 1940.
24			T,Tr	1,110 c/	I	250	no irrigation since 1930.
₩.			40	1,120 0/	_	200	10 111 1gd01011 311100 13304
25	38 d/	Nov,	T,D,	1,975 c/	D,I	210	Casing: 32 feet of 24-inch: 40
20	00 <u>u</u> /	1938	95	1,0,0	,,,	210	feet of 24-inch screen.
26	42 d/	Feb,	T,D,	1,815 c/	D,I	347	Casing: 65 feet of 24-inch.
20.	±≈ <u>u</u> /	1935	65	1,010 0	J, 1	011	odding. od root of si-inon.
27	40.47	May 31,	T,E,		N		Casing: 60 feet of 24-inch. Re-
~ .	±0•±1	1940	65				ported, in 1940, no irrigation
28		1010		1,260 c/	N		since 1958.
20				1,200 5/	7.4		Since 1900.
20	31.38	May 25,	T,D,		I	120	
100	01.00	1940	65		_	120	
30	35.54		T,G,	1,200	<del> </del> I		165 acres irrigated in 1939 from
00		1940	60	1,800	† †		this well and well 277.
31	30.05	June 1,	T,G,	1,500	I	172	Unib well and well art.
-51	00.00	1934	50	1,000	1	100	
	27.40						
	67 · ±0	1940					
70	35.02		T,-,	1,800	N	<u> </u>	
Ú.	00.00	•	±,-,	1,000	1,		
	31.57	1934		1			
	ST•57	,	1			1	
77	17 FO	1940	n n	<del></del>	TAT	ļ	
33	43.58	)	T,E,		N		
	20.35	1934	60				
	39.17	, ·			1		
-		1940			<del> </del>	<u></u>	
34			C,W		D,S		
<b></b>					ļ		
35		<del></del>	C,H,G,		D,S,		
			C,W		Ind	L	
36			C,W		D,S		
			L		L		
37			C,W		D,S		•
**********							
38	43.45		T,Tr,		I	165	
		1940	40		<u> </u>		

Records of wells in Wharton County--Continued Height of Depth Well !Distance Owner Driller Date Depth Diamto measuring from com- of eter which point well is Hahn ple-|well Oſ above ted i(ft.) |well cased ground (in.) (ft.) (ft.) 39 3분 miles Ben Socolofsky Pat Smidt 1916 160 24, 1.0 10 north  $40 \mid 3\frac{1}{2} \text{ miles}$ do. Otto Mickelson 1916: 248 24, 0 10 north 41 3 miles 24, Geo. Raun Charley 1917 172 172 Õ north 10 Mickelson T. T. Duncan 42 3 miles 1913 260 24. 260 do. north 12 1935 43 2 miles Russel Raun 275 18, 275 i 0 do. west 12, 10  $44 l_2^{\frac{1}{2}}$  miles 24, ; J. W. Davis 011 150 ---9-5/8 northwest  $45 l_4^3 \text{ miles}$ B. F. Wiley Stancliff 1909 125 24, 8 northwest 46 2 miles B. T. Clark do. 1909 125 24, \_\_\_ northwest 9-5/8  $47 2\frac{3}{4}$  miles 24, J. O. L. Carmody do. Old 120 1.0 northwest Est. ---48 2층 miles Lloyd Slessinger do. 1909 138 24, 1.0 west 9**-**5/8 49 2 miles Urban Wendel K. H. Payne 1926 280 24, 12 west Depth Height of Date Depth Diam-Distance Owner Dri ler to measuring Well from com-i of eter which peint Glen ple-'we'l  $\circ f$ well is above Flora ted (ft.) |well cased ground (in.) (ft.) (ft..) 1914  $50 6\frac{1}{8} \text{ miles}$ P. Krueger P. Krueger 36 northwest  $51/4\frac{1}{8}$  miles G. H. 200+ northwest Northington 2 52 4 miles Duncan Brcs. \_\_ 1924 80+ ~---northwest 53 24 miles G. Bcyle 60+ 2 northwest Glen Flora Gin D. H. Treadway 1924 380 4 54 를 mile northwest 2 55 를 mile John Derman inston Read 1909 140 south 280 3 56 In Glen N. P. Read Flora  $57 3\frac{1}{4}$  miles W. A. Harrison 01d 20 24

north

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

	Moto	r level	Method	1	1	T	
No.		Date of	.1	Estimated	Use	Land	Remarks
110+		measure-	ı	yield	of	irri-	Remarks
	measu	•	1	(g.p.11.)	water	gated	
	ing p		1939	(2.b)	1939	1939	
	(ft.)		a/		<u>b</u> /	(acres)	
39	43.86				N		Casing: 60 feet of 24-inch
0.0	10.00	1940			1 -		Formerly used for irrigation.
40	44.10				N		Do •
						]	
41	38 d/	Feb,	T,D,		I	160	Casing: 60 feet of 24-inch.
		1938	40	•			Screens set at 60 to 70 and 88 to
42			T,D,	1,545 c/	I		Casing: 70 feet 172 feet. e/
			100				of 24-inch. 246 acres irrigated
						1	in 1939 from this well and well 7.
43	42 d/	May,	T,D,	2,100	I	251	Casing: 74 feet of 18-inch,
		1940	90	·			partially screened; 186 feet of
					ì	İ	12-inch, partially screened; 40
							feet of 10-inch screen.
44					Ŋ		Formerly used for irrigation.
							, ,
45			T,-,		N		Reported, in 1940, no irrigation
						] ]	since 1932.
46		P= 40	T,E,		I	142	Casing: 50 feet of 24-inch.
			50				-
47	38.58	May 31,	C,W		И		Reported, in 1940, no irrigation
		1940					since 1915.
48	41.31	do.			N		Casing: 40 feet of 24-inch.
							Formerly used for irrigation.
49			T,E,		I	230	Casing: 60 feet of 24-inch.
			30				
	Wate:	r level	Method				
No.	Depth	Date of	of lift	Estimated	Use	Land	Remarks
	below	measure-	and	yield	$\circ \mathbf{f}$	irri	4
	measu	r- ment	power	(g.p.m.)	water	gate	d
	ing p		1939	,	1939	1939	
	(ft.)		<u>a</u> /		<u>b</u> /	(acre	s)
50			C,W		D,S		
			·			1	
51			C,E,		D,S		
			1블 C,W				
52			C,W		D,S		
53			C,W		D,S	T	
					-		
54			C,E,		D,S,	T	Pumpage reported 2,000,000 gallons
					Ind		a year.
55			C,E,		D,S		
			<u>1</u> 2				
56			C,E,		D,S,P		
			2늘				
57	18.5	Feb. 27,	H		D,S		Dug.
		1934					
2/3	7:013	noogured	1040				

c/ Yield measured in 1940.
d/ Water level reported by owner or driller.
e/ Log of well in tables of drillers' logs.

		····	Records of well:	S III MIIAI COII O	Juli U.y	-000 011	iueu		
								. Depth	Height of
[ell		Distance	Owner	Driller	1	Depth	Diam-		measuring
		from			com-	of	eter	which	point
		Glen		f	ple-	well	cf	well is	above
		Flora			ted	(ft.)	well	cased	ground
						<u> </u>	(in.)	(ft.)	(ft.)
	58	$1\frac{3}{4}$ miles	Dr. L. Logue		1939	44	2	44	
		northeast				<u>.</u>			<u> </u>
	59	5 miles	Lillie Jefferson		1910	42	2	42	0
		northeast						<u>l</u>	
	60	7호 miles	L∩ra Hudgins		1916	45	2	45	0
	- 1	northeast				L	i .		
	61	$3\frac{3}{4}$ miles	Julius E. Heyne	Guy Jones	1939	35+	- 2	35+	
		west		1	1	-	<u> </u>	_	
	62	6 miles	D. R. Gaylor			69	2	. 69	
		northwest				1			
	63	8 <del>1</del> miles	G.C.& S.F. R.R.			<del></del>			
		northwest			1	,	ĺ	•	
	64	8 miles	Carl Reynolds	Sam Golden		607	2	60+	<del> </del>
		northwest			1	· -	-	ļ	
<del></del>	65	10 miles	Dave H. Hall		1930	40+	2	40+	
		northwest	•				-		1
	56		J. J. Pendegrass		Old	65	24,	65	1.0
		northwest					6,2		
• •	67		Willis Blackwell		Old	40	2	40	
		northwest			]	,			
						<del> </del>		Depth	Height of
Well		Distance	Owner	Driller	Doto	Depth	l Diam	to	measuring
METT		from	Owner	priffer	ŧ		ľ	1	
		East			ccm-	1	eter	which	point
					, –	well	of	well is	abcve
		Bernard			tea.	(ft.)	well	cased	ground
			T T T T T T T T T T T T T T T T T T T		Cld		(in.)	(ft.)	(ft.) .5
	68	$2\frac{1}{8}$ miles	J. J. Vacek		: UIa	65+	24,		1 5
		west	4	ł		-	- '		
						-	- 		
···					in the state of th				
	69	do.	do.		Old	65			1.4
	69	do•	do.			65-			
	69	do∙	do.			65-			
					Old		24,		1.4
	69 70	do.	do.	 Joe Srubar		65±	24,	65+	
	70	đo.	do.		01d 1903	65 <u>+</u>	24,		1.4
				Joe Srubar Joe Sommer	Old		24,	65+ 140	1.4
-	70 71	do.	do. J. K. Kuban	Joe Sommer	01d 1903	651	8 2	140	1.4
~	70	do. do. In East	do.		01d 1903	65 <u>+</u>	24,		1.4
~	70 71	do.	do. J. K. Kuban J. G. Leverage	Joe Sommer John Srubar	01d 1903 1931 1928	65 <u>1</u>	24,	140	0
	70 71	do. do. In East	do. J. K. Kuban	Joe Sommer	01d 1903	651	8 2	140	0
	70 71 72	do. do. In East Bernard	do. J. K. Kuban J. G. Leverage	Joe Sommer John Srubar	01d 1903 1931 1928	65 <u>1</u>	24,	140	0
	70 71 72	do.  do.  In East Bernard do.	do. J. K. Kuban J. G. Leverage	Joe Sommer John Srubar	01d 1903 1931 1928	65 <u>1</u>	24,	140	0
	70 71 72 73	do.  do.  In East Bernard do.	do.  J. K. Kuban  J. G. Leverage  J. Hlavinka	Joe Sommer John Srubar	01d 1903 1931 1928	140 160 34	24,	140	0
	70 71 72 73	do.  do.  In East Bernard do.  lag miles south	do.  J. K. Kuban  J. G. Leverage  J. Hlavinka	Joe Sommer John Srubar	01d 1903 1931 1928	140 160 34	24,	140	0
	70 71 72 73	do.  do.  In East Bernard do.  langle miles south 3 miles	do.  J. K. Kuban  J. G. Leverage  J. Hlavinka  F. Bilicek	Joe Sommer John Srubar do.	01d 1903 1931 1928 1922	65± 140 169 34	2 2 8	140	0
	70 71 72 73	do.  do.  In East Bernard do.  lag miles south	do.  J. K. Kuban  J. G. Leverage  J. Hlavinka  F. Bilicek	Joe Sommer John Srubar do.	01d 1903 1931 1928 1922	65± 140 169 34	2 2 8	140	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;

	Visto	r level	Method		· · · · · · · · · · · · · · · · · · ·		
Mo		Date of	l .	  Estimated	Ten	Tand	Remarks
110+		measure-		ł	1	Land	nemarks
	1		í	yield	of	irri-	
	measu:		. ~	(g.p.m.)		gated	
	ing o	oint	1939		1939	1959	
			<u>a/</u>		b/	(acres)	
58			С,™		D,S		
				-			
59	23 <u>d</u> /	Mar,	C,H		D,S		
·		1940					
60	10 <u>d</u> /	Oct,	C,H		D,S		
		1939					
61			C,H,W		D,S		
				1		<u> </u>	
62			C,H		D,S		
	•		,				
63		~~			D,RR	† <del></del>	Pumpage reported 30,000 gallons a
					,		
64			C,W		S	<del> </del>	week.
01			,,,,				
65			C,H		D,S		**************************************
00			0,11		۵,0		
CC	96 43	A == == . DO	a w a		<del></del>	<b></b>	
90	2Q•#T	Apr. 20,	C,W,G,		D,S		
		1940				<u> </u>	
67			C,W		D,S		
		r level	Method				
No.	Depth	Date of	of lift	Estimated	Use	Land	Remarks
	below	measure-	and	yield	of	irri-	
	measu:		l	(g.p.m.)	water	gated	
	ing p		1939	,0 , ,	1939	1939	
	(ft.)		a/		<u>b</u> /	(acres)	
68		Aug. 30,			N		Formerly used for irrigation.
30	10.00	1935			<b>1</b> • 1		lormorty about 191 illigation.
	14 10	Mar. 11,				1	
	14.19					1	
	74 174	1940			<del></del>	<del> </del>	
68	14.74	Aug. 30,			N		Do.
		1935				l	
	TD 09	Mar. 11,			ĺ		·
-		1940	~				
70.	17.4	Feb. 16,	C,W		N		
		1934					
71			C,W		D,S		Formerly 65 feet deep. Deepened
						]	in 1939.
72			C,W		D,S		
			·	Proceedings	1	1	
73			C,W		D,S		
_							
74		~-	C,W		D,S		
14		1	,"	į	1 -,0	1	
74			Ì	•			
			C W		Da		
75		~	C,W		D,S		
75							Deposited formania annuality 40 000
			C,W 		D,S N		Reported formerly supplied 48,000
75 76			, mar. 444				Reported formerly supplied 48,000 gallons a day for railroad use.

c/ Yield measured in 1940.

1/ Water level reported by owner or driller.
e/ Log of well in tables of drillers' logs.

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Records of wells in Wharton County--Continued

		Records of wel	ls in Wharton Co	unty-	-Conti	nued		<del></del>
		_			1		Depth	Height of
Well	Distance	Cwner	Driller			Diam-		measuring
	from			com-	of	eter	which	point
	East				well	of	well is	above
	Bernard			ted	(ft.)		cased	ground
				<u> </u>	ļ	(in.)	(ft.)	(ft.)
77	3½ miles	Gus Semkel		1925	116	2	110	
	northwest	Louis Sklar		3.079	70-	- 0	701	
78	7 miles northwest	Louis Skiar		1932 30± 2			30 <u>+</u>	<u>'</u>
70	95 miles	E. C. Cassady	E. C. Cassady	1926	50+	2	50+	0
7 3	northwest	n. o. Jassauy	H. O. Cassady	1320	00/	_ ~		1
80	12 miles	Dr Rogers		Old	40-	2	40+	
	west	D1. 4- 103018		Oid	±0.	- ~	±0:	
81	9 miles	Wm. J. Corman		1910	45	6	45	1.0
01	west	Will S. Colman		1 1010	1		10	1.0
82	7 miles	Clem Boettcher		Old	50	72,	50	<b></b>
O.D	west	Olom Docubertor		1 524	i	8		1
83	5 miles	Tom A. Smith	Tcm A. Smith	1920	50	2	50	0
	west			1020		~		
84	do.	Fred Fctjek		1929	60	60,		0
,								
85	$4\frac{3}{4}$ miles	Ray Jochetz		1929	50	72,	50	)
,	west					4		<u> </u>
89	$4\frac{1}{2}$ miles	do∙	Ray Jochetz	Old	150	24,	150	0
	west					8		, <del> </del>
87	$4\frac{1}{4}$ miles	do.		Old	50	72,		
·	west							
88	$3\frac{3}{4}$ miles	Boettcher &		1910	28	1분	28	0
	southwest	Jones		03.3	1 10		45	
89	5½ miles southwest	Will Border		Old	42	2	42	
	Sodonweso			<del></del>			Depth	Height of
77ell	Distance	Owner	Driller	Date	Depth	Diam-	to	measuring
. 011	from	ownor-	2211101	l com-		eter	which	
	Wharton			1	well	cf	well is	: -
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			ted	(ft.)		cased	ground
					(20.,	(in.)	(ft.)	(ft.)
90	9 miles	Mattie Bruss			60-		60+	
	north				-	<del></del>	-	
• 91	9½ miles	S. H. Dodson	Dillard		85	2	85	
	northeast			1				1
92		A. L. Jones	Sam Golden	1922	56	2	56	
			-		ļ 			
93	do.	Mrs. M. E. Lum	do.	1926	66	2	66	
9/	7늘 miles	Mrs. F. B.	do.	1922	45	2	45	
J-±	northeast	Barbee		1	1	~	10	
<u> </u>	8 miles	Watt Shelton			28	2	28	
<i>30</i>	northeast	MEGO DITOTION			20	~	~0	
• 00	7½ miles	Frank Bucek	Cockrell	1896	38	18	38	1.5
<i>J</i> (	north				i			
		•						
		į		; !				
		· · · · · · · · · · · · · · · · · · ·	<del></del>	ــــــــــــــــــــــــــــــــــــــ	1	·		

a/ T, turbine; Cf, centrifugal; A, air; Gl, gas lift; C, cylinder; E, electric; D. diesel or semi-diesel; G, gascline (usually an automobile engine); O, cil; 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;

	TMoto	r level	Method	1			and a supermitted assessment of distribution with inflammation of the order of the
No.		Date of		! ·Estimated	:   Use	Land	Rem: rks
		measure-	1	yield	of	irri-	
	measu		<b>;</b>	(g.p.m.)	i		
	ing p		1939		1939	1959	
	(ft.)		<u>a</u> /	•		(acres)	
77			0,1	·	D,S		Water reported in gravel.
			,.	1	!	,	
78			C,W		D,S	<del></del>	
			,	ı		1	
79	25 d/	Apr,	C,W	1	D,S	,	
		1940	ŕ		1	I	
80			C,H		S		
				;	ļ		
81	26.67	Apr. 19,	C, T'-		D,S		
		1940					
82			Cf,G,		I	75	Dug to 30 feet; wood casing.
			20	<u> </u>			
83	30 d/	Àpr,	C,W,G,	i	D,S	**	Water struck above red clay.
		1940	$1\frac{1}{2}$	; {		i	
84	24.68	Apr. 17,	Cf,G,		I	45	Dug to 30 feet; wood casing.
		1940	15	4			
85	30 d/		Cf,E,		I	75	Do.
		1939	15		r F		
86	30 d/	Apr,	T,E,		N	i	Casing: 40 feet of 24-inch.
		1940	25		1	İ	Formerly used for irrigation.
97			Cf,E,		N		Dug to 30 feet; wood casing.
			15				Formerly used for irrigation.
88	24	Apr,	C,H		D,S		
		1940	ĺ		1		
89			С,Н		D,S		advivoluminos ana liberan - elembrane elembrando ribriro ribrantenamentale de rest anno arrestante de sustante de la companio de restante de la companio del la companio del la companio de la companio de la companio de la companio de la companio de la companio de la companio de la companio del la companio de la companio de la companio del la compani
			ĺ		,		
	Wate	r level	Method		1		The second section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the
No.		Date of		! Estimated	Use	Land	Remarks
1100	:	measure-	i	yield	of	irri-	TIGHQT ND
	measu	-	t	(g.p.m.)	1	gated	
	ing p		1939	(2.5.m.)	1939	1939	
	(ft.)	1	<u>a</u> /	i I	b/	(acres)	
90	(10.)		0,H		D,S	(acres)	
20	<del>-</del>		, , , , ,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	
91			C,H		D,S		
I			,,,,		, 1, , ,		
92			C,H		D,S		
JW			,,,,,		1 5,5		
93			C,H		D,S		
JU			\ ``, <u>`</u>		1 2,0		
94			C,H	i	D,S		
J±			,,11	·	, ,,,		
95			C,H		D,S		
ฮป			,::		1 2,5		
96	23.25	Feb. 14,	C,W		D,S		Concrete curb and casing.
20	20,00	1934	, w		ت, ت		AOTOTORO COTO THE CARTIE.
	24 60	Mar. 11,				1	
	64.09	1 '		¥	1		
		1940 measured	1040	<u> </u>	<u> </u>	L	
~/ ~	V 1 / 1 / 1						

c/ Yield measured in 1940.
d/ Water level reported by owner or driller.
e/ Log of well in tables of drillers' logs.

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	1		s in Wharton Co.		1		Depth	Height of
Well	Distance	Owner	Driller	Date	Depth	Diam-	•	measurin
	from			com-	i .	eter	which	point
	Wharton	4		,	well	j	well is	above
	/1101 0011		!		(ft.)		cased	ground
				lea	(10.1	(in.)	(ft.)	(ft.)
97	6 miles	Farmer's Gin			210	2	210	
31	north	raimer's Gin			210	۵	210	
	5½ miles	J. D. Hudgins	TT D Margarday	1005	50	· · · · · ·	504	
30	. ~	1. D. undatus	H. D. Treadway	1925	501	2	50 <u>+</u>	
	north	D II						<u> </u>
99	$4\frac{1}{2}$ miles	R. H. D. Sorrell	R. H. D.	1908	50	2	50	0
	north		Sorrell		<u> </u>	 <del> </del>		
130	do.	Louis Macha	Louis Macha	1933	72	2,	72	
						1 <del>1</del>		
101	$3\frac{1}{2}$ miles	E. Shulder	E. Shulder		25	30	25	2.0
	north		· 	<u> </u>				
102	5를 miles	Julia Stafford	Sam Golden	1922	32	2	32	
	northeast	r-Ayes	*				! }	
103	$5\frac{1}{2}$ miles	A. J. May	Steve Luchak	1359	201	2	201	
	east				1		1	
104	$3\frac{3}{4}$ miles	J. F. Meyer	do.	1928	70	2	70	
701	east	o i i i moy oi	1	1350	1	~	, ,	
105	4½ miles	John Roten	do.	1933	58	2	58	
100		30mm rocem	1 40•	1900	20	~	1 00	
V 100	southeast 2 miles	A. Maddox	G G-3.3-	7.007	75		<u> </u>	
TJP		A. Maddox	Sam Golden	1923	75	2	75	
	southeast				10	<u> </u>	ļ	
167	l mile	Laura Stewart	Russell	1932	42+	2	42+	
	east							
108	ì	City of Wharton	McMasters &	1926	9401	- -		2.0
	Wharton		Pcmeroy			:		
					1		j	
					<u> </u>			
109	do.	do.	Layne-Texas	1931	413	16,	393	0
					1	12	i	
				i	İ			
110	2 miles	F. F. Damon	F. F. Damon		52	2	52	
	scuthwest							
111	li miles	Pierce Est.	Steve Luchak	1932	85	2	85	
	west							
112	$2\frac{3}{4}$ miles	R. H. D. Surrell		1914	42	2	42	
	northwest					~		
113	4분 miles	Scrrell School	Sam Golden	1934	45	2	45	
110	northwest	Detroit Somoot	Sam dorden	1301	10	2	10	
774	5 miles	Gec. Slaughter	Martin Wilbeck		65	2	65	
T T.#	west	Gec. pranducer.	marcin wildeck		1 65	۵	00	
115		A. P. Borden	Frank Borden	3.001	10	2	4.6	
110	32 miles	A. F. Dorden	light poider	1921	40	6	40	
	southwest		G 3.0 To 3. G	1000	4 050			
776	5 miles	do.	Gulf Prod. Co.	1926	4,05C			)
116	l anuthwat.				<b>;</b>			ı
116	southwest	I			1			
			<del></del>	1004	1,1384			
	7 miles	Pierce Est.		TOA	1-,	-		
		Pierce Est.		1034	, 100			
117	7 miles southwest					_		
117	7 miles	Pierce Est. Pierce Est	 Luther	1935	218	6	214	
117	7 miles southwest		Luther Patterson			_	214	
117	7 miles southwest $7\frac{1}{2}$ miles	Pierce Est	[ [			_	214 46	<b></b>

	TITO	- 33	115-44-02	<del>7</del>	1	1	
	1	r level	Method				
No.	1	Date of	,	Estimated	i	Land	Remarks
	below	measure-	and	yield	of	irri-	
	measu	r- ment	power	(g.p.m.)	water	gated	
	ing p	oint	1939		1939	1939	
	(ft.)		<u>a</u> /		b/	(acres)	
97			C,E,		D,S.		
			1		Ind		
98			C,W	<del> </del>	D,S		
30			U , 1º		יי, ט		
	707	1 24		ļ	<del> </del>	<u> </u>	
99	Flows	, ,			S		
		1934		<u> </u>			
100			C,H		D,S		
101	14.58	Feb. 14,	H,-		D,S		Dug; wood casing.
		1934					
102			C,H		D,S		
			·	į.			
103			C,W		D,S		
200			· ,		2,0		
104			C,G,		D,S		
TOA			Ο, σ,		ט,ט		
305					D 0		
105			C,H,G,		D,S		
106			C,H		D,S		
107			C,H		D,S		
108	22.8	Feb. 13,	T,E,	675	P		Used in conjunction with well 109
		1934	40				for Wharton city water supply.
•	25.01	Mar. 11,					T 0
		1940					
109	26.65		T,E,	800	P		Casing: 160 feet of 16-inch; 253
100	2000	1934	75	500	т.		feet of 12-inch. Screens set at
		1934	75				
2.7.0			O TIT O				212 to 222, £78 to 299, 311 to 333
110			C,W,G,		D,S		and 350 to 393 feet. e/
			-01				
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
$\overline{114}$			C,W		D,S		on Feb. 19, 1934.
J. T		· -	~ <b>,</b> "		-,0		011 100 • 13, 1334 •
115			C,E,		D,S		
TTO			∪ <b>,</b> ≞,		ا د, ب		
2.2.0							
	Flows				D,S		Drilled to 4,050 as oil test then
	+4.66	1934				1	plugged back to 1,300. feet. Screer
							set at 1.250 to 1,300 feet. Tem-
117	Flows	· ;		]	D,S		Alexander <u>perature 80° F. 2/</u>
		1934		:		1	Deussen reported well drilled to
		1		1	I	1	1,506 feet then plugged back to
118			T,E,	350	P		Supplies camp. 1,138± feet.
-		1	15		1		Screen set at 191 to 214 feet.
		ļ			1		Reported pumpage, 3,750,000 gallons
119	12 d/	Jan,	C,E,		D,S		a year. e/
	-~ =/	1940	₹ 1/4	!	-,~		i a Aear. e
		# 0 EO	4	l		I	

Records of wells in Tharton County--Continued

		Records of well	ls in Tharton Co	unty-	-Contin	nued		ITT TO THE PARTY OF THE PARTY O
Well	  Distance   from	Owner	Driller	Date	Depth of	Diam- eter	Depth to which	Height of measuring point
	Wharton			ple- ted	well (ft.)	of	well is cased (ft.)	above ground (ft.)
120	$3\frac{1}{4}$ miles north	Hallie Godfrey		1921	40		40+	
121	6 miles north	W. M. Border		1912	208	2	208	0
122	122 12 miles Pierce Est south The Texas Co.		Luther Patterson	1936	314	7	301	0
123	10½ miles south	de.	do.	1939	302	5	302	0
124	$11\frac{1}{8}$ miles south	do.	do.	1938	520	7, 6 <b>-</b> 5/8	520	0
125	$10\frac{1}{2}$ miles scuth	do.	do.	1337	385	8 <b>-</b> 5/8	385	0
126	ll miles south	đo.	do.	1935	267	7	267	ب
127	10½ miles south	do.	do.	1936	414	7, 5	414	)
128	12 miles south	do.	Fergusen Oil	1940	162	5	162	0
129	lla miles south	A. C. Thompson	Douglas Martin	1939	21	2	21	3
Well	Distance from El Campo	Owner	Driller	com- ple-	Depth of well (ft.)	Diam- eter ef well (in.)	Depth to which well is cased (ft.)	Height of measuring point above ground (ft.)
130	5년 miles north	Joe Peterka	***	1931	41			
131	5½ miles	Floyd Appling			40-	2	40+	
132	3½ miles northeast	Conway Boston	<del>-</del>	1928	40	1 ਹੁੰ	40	
133	33 miles northeast	W. O. Anderson	Otto Mickelson	1914	331	24, 9-5/8	331	
*134	5 miles east	Ervin Brod	John Madden	1928	6C±	l <sub>a</sub>	60 <u>+</u>	
135	2½ miles northeast	N. L. Franke	N. L. Franke	1926	32	2	32	
136	2 miles ncrth	J. E. Turner	Ctto Mickelson	1917	160	24, 10	160	
a/T. ti	Dr. Of	centrifugal: A	37 - 37	e+	0-11	J 0 T	-3-04-	Line D

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, wil; 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;

	7.70 ± 0	r level	Method	<del></del>			
No.		Date of	ľ	  Estimated	Use	Land	Remarks
1.0.		measure-	ł	yield	of	irri-	Homal KB
	measu	1	1	(g.p.m.)	water	gated	
			1 -	(g.h.m.)	1939	1939	
	ing p		1939				
7.50	(ft.)		a/		b/	(acres)	
120			C,H		D,S		
197	40 d/		C,E,		<del> </del>		Screen set at 196 to.208 feet.
16.1	40 G	1912	1,1,				
122	8 d/	Mar,	G1	250	Ind		Casing: 277 feet of 7-inch;
	J (2)	1936	1-	~~~			21 feet of 6-inch casing. Used in
		1300					conjunction with wells 123 to 128
							, •
3.07	66 7/						to supply lease and drilling rigs.
123	22 <u>d</u> /	July,	G1	250	Ind		Casing: 276 feet of 5-inch; e/
		1939					25 feet of 5-inch screen. e/
124	30 <u>d</u> /	Jan,	Gl	250	Ind		Casing: 269 feet of 7-inch; 233
		1938					feet of 6-5/8-inch; 24 feet of
125	21 d/	May,	Gl	200	Ind		Casing: 6-5/8-inch screen. e/
ĺ	_	1937					362 feet of 8-5/8-inch; 21 feet of
126	20 d/	Sept,	Gl	3^0	Inâ	1-	Casing:   8-5/8-inch screen. e/
-	- 20	1935	_				240 feet of 7-inch; 25 feet of 7-
127	20 d/	Dec,	G1	300	Ind		Casing: 266 inch screen. e/
±≈:	~ / 3/	1936	G.T.	0 ///	111U		feet of 7-inch; lead seal; 125
		1300					•
							feet of 5-inch; 20 feet of 5-inch
							screen. Formerly drilled to 303
7.00	00 37						feet. Deepened in Sept. of 1938.
128	20 <u>d</u> /	Apr,	G1	200	Ind		Casing: 146 feet of 5-inch; e/
7.00	7.0.37	1940	0.77		<u> </u>		15 feet of 5-inch screen. e/
TSA	16 <u>d</u> /	Aug,	C,H		D,S		
		1939					
			Method				
No.		Date of	1	Estimated	4	Land	Remarks
	below	measure-	and	yield	of ·	irri-	i t
	measu	r- ment	power	(g.p.m.)	water.	gated	
	ing p	oint	1939		1939	1939	
	(ft.)		a/		h/	(acres)	
130			C,W	p=	D,S		
131			C, W,H		D,S		
			ļ				
132			С,Н	i	D,S		
		<u> </u>					
133			T,-,	1,800	N		Casing: 50 feet of 24-inch.
							Screens set at 109 to 149, 184 to
							104, 218 to 538 and 271 to 331
					İ		feet. Formerly used for irriga-
134			C,W		D,S		tion.
					<u> </u>		
135			O,G,		D,S		
136			T,G,	1,000	N		Casing: 39 feet of 24-inch.
			32		İ		Screens set at 45 to 66, 98 to 113
					<u> </u>		and 145 to 160 feet. Reported, in
				Properties	}		1940, no irrigation for several
c/3	Yield:	measured	in 1940.	1	<u></u>	<u> </u>	years.
$\sim$ ,	Luciu.		orted by				year 5

c/ Yield measured in 1940.
d/ Water level reported by owner or driller.
e/ Log of well in tables of drillers' logs.

-17Records of wells in Wharton County--Continued

	<del>,</del>	Records of well	ls in Vharton Co	ounty.	Cont	inued	<del> </del>	
				_	1_		Deoth	Height of
Well	Distance	Owner	Driller	t	Depth	1	to .	measuring
	from	ŧ		com-	1	eter	which	point
	Wharton			-	well	of	well is	•
	L- editore		4	ted	(ft.)		cased	ground
		·				(in.)	(ft.)	(ft.)
	$1\frac{1}{4}$ miles northwest		H. Svoboda	1931	55	5		
138	In El Campo	El Campo kice Mill	Thomas & Payne			6	) stee 40-4	8.7
139	do∙	Central Power &	Layne-Texas	1929	1,098	16,	1,081	0
	to the second state of the	Light Co.			·	10		
140	$1\frac{3}{4}$ miles southeast	P. Dornak	Charley Mickelson	1924	102	24,	,	0
141	$2\frac{3}{4}$ miles south	Lynner Bros.	Otto Mickelson	1913	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			4C	見	40+	
							Depth	Height of
Well	Distance	Cwner	Driller	Date	Derth	Diam-	to	measuring
	from			com-	of	eter	which	point
	El Campo			ple-	}	of	well is	above
	American de la constante de la			: -	(ft.)	well (in.)	cased (ft.)	ground (ft.)
144	$5\frac{1}{2}$ miles southwest	Frank Huvar		1927	72			
145	2 miles southeast		Otto Mickelson	1907	100	9-5/8		
***************************************	$4\frac{1}{4}$ miles east	John Boyd		Old	300	- 9-5/8		
147	northeast		Luther Patterson	1938		5	216	0
148	In El Campo	Central Power & Light Co.	ItcMasters & Pomeroy	1926	1,188	17, 12½, 6	1,110	0
149	do.	G.H.& S.A. P.R.	Layne-Texas	1907	150	9 <b>-</b> 5/8	85	
150	7 miles	Cerny Est.	ond will	1912	160	26, 9-5/8		3.0
151	do.	Ramtham 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.   Depth Date of   of lift Estimated   Use   Land   Remarks		767 - 4		10 + 10 a 3	· · · · · · · · · · · · · · · · · · ·			
below   measur-   and   measur-	37.			Method	T0	TT	тэ	Domanica
measur	NO.	- 1		ŧ	ŧ	1	1	Remarks
ling point				1				
Section   Sect	,	1		1 -	(g.p.m.)	1 1		
137				i .		1		
138   20.66   Mar. 22, A, -   -   Ind   -     139   139   139   1   152,		(ft.)					(acres)	
133   20.85   Mar. 22, A, -	137	<b>-</b> -		C,G,				
1394   139   18.8   June 1   T.E.				<del></del>				
1934   25	138	20•85	,	A,-		Ind		
140   22.5   June 5   T.E.   15   15   22.77   Mer. 11   1940   15   1940   15   1940   15   1940   15   1940   15   1940   15   1940   15   1940   15   1940   15   1940   15   1940   15   1940   15   1940   15   1940   15   1940   15   1940   15   1940   15   1940   15   1940   15   1940   19	139	18•8				P	<b></b>	Screens set at 894 to 915, 927 to 980 and 1,037 to 1,059 feet. Used in conjunction with well 148 for
T.G.   T.G.	140		1934 Mar. 11,			P		
Some content of the	7.43		1940	<u> </u>	1.000	NT.		C
Water level   Method   Depth Date of   below   measure	141		<del></del> -	50	1,200	1/1	<del></del>	Screens set at 84 to 104, 135 to 155, 191 to 233 and 250 to 263
Water level   Depth Date of below measure ment ing point   1939   April   Motor   Mo	142	<b></b> -	<del>-</del> -	C,W		D,S		tion.
No. Depth Date of belrw measure— measur ment power ing point 1939 (ft.) a/ (g.p.m.) water gated 1939 1939 (ft.) a/ (acres)  144 C.E.	1.43			C,W	<b></b>	D,S		
No. Depth Date of belrw measure— measur ment power ing point 1939 (ft.) a/ (g.p.m.) water gated 1939 1939 (ft.) a/ (acres)  144 C.E.		Wate	r level	Metnod				
belcw measur	No.			j .	Estimated	Use	Land	Remarks
measur ment ing point   1939   (g.p.m.)   water gated   1939     1939     (ft.)     a/     (acres)   (acres)	110	` ,	1		î .	•		
ing point   1939   3/86   June 21,   T,-,   1940   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1938		1		t		1		
(ft.)					(g.h.m.)			
144				1		:		
1/3	344							
15			<b></b> -	1/3				
146	145					.N		1
Formerly used for irrigation.   147   10 d/ Aug, G1   300   Ind     Casing: 189 feet of 5-inch; 25   feet of 5-inch screen. g/								
147   10 d/	146			T,-,		N		
1938   feet of 5-inch screen. g/								
148   43.33   Apr. 19,   T.E.,   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 formed 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,   T,     N     Casing: 30 feet of 26-inch.   Revorted, in 1940, no irrigation     151   32.70   do.   T,     N     Casing: 37 feet of   since 1938   26-inch.   Formerly used for irrication     152   30.90   do.   T,     N   36   Casing: 51 feet of 24-   gation inch.   Screens set at 51 to 100			1938					feet of 5-inch screen. e/
Layne-Texas in June, 1936. e/   149	148	43.33			250	P		6-inch bronze screens set at 856 to 878, 990 to 1,011 and 1,051 to 1,072 feet. Depth of well formerly
149	1		l .					
abandoned. e/   150   32.86   June 21, T,-,					t contract to the contract to	<b></b>		
150 32.86 June 21, T,-, N Casing: 30 feet of 26-inch. 1940 Revorted, in 1940, no irrigation 151 32.70 do. T,-, N Casing: 37 feet of since 1938 26-inch. Formerly used for irri- 152 30.90 do. T,-, N 36 Casing: 51 feet of 24- gation inch. Screens set at 51 to 100	749	<b>1978</b> - 141			200	: N		
1940	149	<b>100</b> 1	****		200	N		
151 32.70 do. T,-, N Casing: 37 feet of since 1938 26-inch. Formerly used for irri- 152 30.90 do. T,-, N 36 Casing: 51 feet of 24- gation inch. Screens set at 51 to 100			 Tune 21	<b></b>				abandoned. e/
26-inch. Formerly used for irri-   152 30.90   do.   T,-,     N   36   Casing: 51 feet of 24-   gation inch. Screens set at 51 to 100				ł i			stu	abandoned. e/ Casing: 30 feet of 26-inch.
152 30.90 do. T,-, N 36 Casing: 51 feet of 24- gation inch. Screens set at 51 to 100	150	32.86	1940			N		abandoned. e/ Casing: 30 feet of 26-inch. Revorted, in 1940, no irrigation
inch. Screens set at 51 to 100	150	32.86	1940			N		abandoned. e/ Casing: 30 feet of 26-inch. Revorted, in 1940, no irrigation Casing: 37 feet of since 1938.
	150 151	32.86 32.70	1940 do.	T,-,		N N	<del></del>	abandoned. e/ Casing: 30 feet of 26-inch. Revorted, in 1940, no irrigation Casing: 37 feet of since 1938. 26-inch. Formerly used for irri-
	150 151	32.86 32.70	1940 do.	T,-,		N N	<del></del>	abandoned. e/ Casing: 30 feet of 26-inch. Revorted, in 1940, no irrigation Casing: 37 feet of since 1938. 26-inch. Formerly used for irri- Casing: 51 feet of 24- gation.
and 142 to 181 feet. e/	150 151	32.86 32.70	1940 do.	T,-,		N N	<del></del>	abandoned. e/ Casing: 30 feet of 26-inch. Revorted, in 1940, no irrigation Casing: 37 feet of since 1938. 26-inch. Formerly used for irri- Casing: 51 feet of 24- gation. inch. Screens set at 51 to 100

-19-

Records of wells in Wharton County--Continued Depth Height of Well to measuring Distance Owner Driller Date Depth Diameter which point from comofEl Campo of well is above ple-|well (ft.) ted well cased ground (in.) (ft.) (ft.) 138 153 7 miles Frank Banmruk Lavne-Bowler 1908 24. 138 north 9-5/8 154 7 miles Felix Brod 1909 160 26. 1.0 9-5/8 north 155 6 miles Leo Wendel Wm. Thomas 1909 200 1.0 24, north 8 Dr. J. A. Layne-Bowler 156 7 miles 1908 150 24, 1.5 --northwest Halamicek 157 6 miles E. J. Staff 1904 210 24. 6.0 9-5/8 northwest 158 5를 miles -- Hartman Layne-Bowler 1910 313 24, 0 northwest 13 159 2 miles 24, Guy Stoval Thomas & Payne 1919 3.5 northwest 9-5/8 Depth Height of Well Distance Owner Driller Date Depth Diamto measuring frometer com- of which point Louise ple- mell  $\circ f$ well is above teã (ft.) well cased ground (in.) (ft.) (ft.) W. H. Powell 160 3 miles Thomas & Payne 1913 303 24, northeast 9-5/8 161 In Louise Rose Service Frank Maretka 1932 28 28 13 Station 162 Joe Trochta 1929 37 2 37 do. do. 163 do. Trochta Bros. Jack Rodgers 1927 45 3 45 H. P. Stockton 68 3 164 do. do. 1934 68 Wm. Thomas 280 165 를 mile do. 1912 24, 0 northwest 10 166 la miles do. do. 1926 310 24, southwest 10 167 2분 miles Heard Est. Thomas & Payne 1923 304 24. 0 southwest 9-5/8 168 2 miles Leo Kocurek Wm. Thomas 1912 310 24, 1.0 9-5/8 west Frances Kovar 305 169 1910 24. 1.5 ₫o. do. 9-5/8

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. h/ I, irrigation; P, public; Ind, industrial; RR, railroad; D, domestic; S, stock;

	747_ + -		135-47-3	<del> </del>			
~T	-	r level	Method		<b></b>		
14 O •	- 1	Date of	i	Estimated	ţ	Land	Remarks
		measure-	ŧ.	yield	of	irri-	
	measu:		-	(g.p.m.)	water	gated	
	ing p		1939		1939	1939	
	(ft.)		<u>a</u> /		<u>b</u> /	(acres)	
153					N		Casing: 50 feet of 24-inch.
							Screens set at 55 to 99 and 105
							to 135 feet. Reported, in 1940,
							no irrigation since 1920. e/
154	33.20	June 21,			N		Casing: 40 feet of 26-inch.
104	00•20	1940			14	]	Formerly used for irrigation.
155	35.02		П П-		N		
100	೨೮∙∪೭	do.	I,Ir,		1//		Casing: 49 feet of 24-inch.
			30				Formerly used for irrigation.
Tp6	36.16				N		Formerly used for irrigation.
		1940					
157	38.97	June 21,	Т,-,		N		Casing: 36 feet of 24-inch.
		1940					Reported, in 1940, no irrigation
158	33 d/	Mar,	T,Tr,	985 c/	I		Casing: 60 feet of since 1937.
Ť		1910	32				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
150	39.74	June 3,	T,G,		I	134	313 feet. e/
109	09•1 <del>4</del>	1940			<u>.</u>	194	313 1660. 6/
			35				
		r level	Method				_
No.		Date of	of lift	Estimated	Use	Land	Remarks
	below	measure-	and	yield	$\circ f$	irri-	
-	measu:	r- ment	power	(g.p.m.)	water	gated	
	ing o	oint	1939		1939	1239	
- 1	(ft.)		,				1
160			a/		b/	(acres)	
1	+		a/ T.G.	1,800	<u>b</u> / I	(acres) 160	
ł			T,G,	1,800		(acres) 160	
161			Т,G, 35	1,800	I		
161			T,G, 35 C,포,	1,800		160	
			T,G, 35 C,E,		I D,S,P	160 	
161 162			T,G, 35 C,포,	1,800	I	160	
162			T,G, 35 C.E, ½ C,H		I D,S,P P	160 	
			T,G, 35 C.E, ½ C,H		I D,S,P	160 	
162 163			T,G, 35 C,E, 4 C,H		I D,S,P P D,S,P	160  	
162			T,G, 35 C,E, 2,H C,H		I D,S,P P	160 	
162 163 164			T,G, 35 C,E, C,H C,E,		I D,S,P P D,S,P	160 	Casing: 65 feet of 24-inch.
162 163 164		   June 2,	T,G, 35 C,E, C,H C,E,		I D,S,P P D,S,P	160 	
162 163 164	  23,27	   June 2,	T,G, 35 C,E, C,H C,E,		I D,S,P P D,S,P	160 	Casing: 65 feet of 24-inch.
162 163 164		   June 2, 1934	T,G, 35 C,E, C,H C,E,		I D,S,P P D,S,P	160 	Casing: 65 feet of 24-inch.
162 163 164	  23,27	   June 2,	T,G, 35 C,E, C,H C,E,		I D,S,P P D,S,P	160 	Casing: 65 feet of 24-inch.
162 163 164	  23,27	June 2, 1934	T,G, 35 C,E, C,H C,E,		I D,S,P P D,S,P	160 	Casing: 65 feet of 24-inch.
162 163 164 165	  23,27	June 2, 1934	T,G, 35 C,E, C,H C,E,		D,S,P D,S,P D,S,P	160 	Casing: 65 feet of 24-inch.
162 163 164 165	23.27 24.26	June 2, 1934 Mar. 7, 1940	T,G, 35 C,E, 1,C,H C,E, 14 C,E, 15 C,E, 40		D,S,P D,S,P D,S,P	160 	Casing: 65 feet of 24-inch.  Formerly used for irrigation. e/  Casing: 65 feet of 24-inch.
162 163 164 165	23.27 24.26	June 2, 1934 Mar. 7, 1940 June 12,	T,G, 35 C,E, 1 C,H C,E, 1 C,E, 40 T,G,		D,S,P D,S,P N	160 	Casing: 65 feet of 24-inch.  Formerly used for irrigation. e/  Casing: 65 feet of 24-inch.  Casing: 70 feet of 24-inch.
162 163 164 165	23.27 24.26	June 2, 1934 Mar. 7, 1940	T,G, 35 C,E, 1,C,H C,E, 14 C,E, 15 		D,S,P D,S,P N	160 	Casing: 65 feet of 24-inch.  Formerly used for irrigation. e/  Casing: 65 feet of 24-inch.  Casing: 70 feet of 24-inch.  406 acres irrigated in 1939 from
162 163 164 165 166	23.27 24.26	June 2, 1934 Mar. 7, 1940 June 12, 1940	T,G, 35 C,E, 4 C,E, 4 T,G, 40 T,G, 35		D,S,P D,S,P N I	160 	Casing: 65 feet of 24-inch.  Formerly used for irrigation. e/  Casing: 65 feet of 24-inch.  Casing: 70 feet of 24-inch.  436 acres irrigated in 1939 from this well and wells 192 and 193.
162 163 164 165 166	23.27 24.26	June 2, 1934 Mar. 7, 1940 June 12, 1940	T,G, 35 C,E, 1,C,H C,E, 1,G, 40 T,G, 35		D,S,P D,S,P N	160 	Casing: 65 feet of 24-inch.  Formerly used for irrigation. e  Casing: 65 feet of 24-inch.  Casing: 70 feet of 24-inch.  406 acres irrigated in 1939 from this well and wells 192 and 193.  Casing: 60 feet of 24-inch.
162 163 164 165 166 167	23.27 24.26  33.22	June 2, 1934 Mar. 7, 1940 June 12, 1940 . do.	T,G, 35 C,E, 1 C,H C,E, 1 4 C,E, 40 T,G, 35		I D,S,P D,S,P N I I	160 	Casing: 65 feet of 24-inch.  Formerly used for irrigation. e/  Casing: 65 feet of 24-inch.  Casing: 70 feet of 24-inch.  406 acres irrigated in 1939 from this well and wells 192 and 193.  Casing: 60 feet of 24-inch.  Reported, in 1940, no irrigation
162 163 164 165 166 167	23.27 24.26	June 2, 1934 Mar. 7, 1940 June 12, 1940 . do.	T,G, 35 C,E, 1,C,H C,E, 1,G, 40 T,G, 35		D,S,P D,S,P N I	160 	Casing: 65 feet of 24-inch.  Formerly used for irrigation. e  Casing: 65 feet of 24-inch.  Casing: 70 feet of 24-inch.  406 acres irrigated in 1939 from this well and wells 192 and 193.  Casing: 60 feet of 24-inch.  Reported, in 1940, no irrigation  Casing: 60 feet of since 1930
162 163 164 165 166 167	23.27 24.26  33.22	June 2, 1934 Mar. 7, 1940 June 12, 1940 . do.	T,G, 35 C,E, 1 C,H C,E, 1 4 C,E, 40 T,G, 35		I D,S,P D,S,P N I I	160 	Casing: 65 feet of 24-inch.  Formerly used for irrigation. e/  Casing: 65 feet of 24-inch.  Casing: 70 feet of 24-inch.  406 acres irrigated in 1939 from this well and wells 192 and 193.  Casing: 60 feet of 24-inch.  Reported, in 1940, no irrigation Casing: 60 feet of since 1930 24-inch. Reported, in 1940, nc
162 163 164 165 166 167	23.27 24.26  33.22	June 2, 1934 Mar. 7, 1940 June 12, 1940 . do.	T,G, 35 C,E, 1 C,H C,E, 1 4 C,E, 40 T,G, 35		I D,S,P D,S,P N I I	160 	Casing: 65 feet of 24-inch.  Formerly used for irrigation. e  Casing: 65 feet of 24-inch.  Casing: 70 feet of 24-inch.  406 acres irrigated in 1939 from this well and wells 192 and 193.  Casing: 60 feet of 24-inch.  Reported, in 1940, no irrigation  Casing: 60 feet of since 1930

<sup>2/</sup> Yield measured in 1940.

d/ Water level reported by owner or driller.

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

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		Records of wel	ls in Wharton C	ounty-	Cont	inued		(======================================
							Depth	Height of
Well	Distance	Owner	Driller		Depth		to	measuring
	from			com-	of	eter	which	point
	Danevang			_	well	of	well is	above
				ted	(ft.)	1 -	cased	ground
7.70			**************************************	2000	<u> </u>	(in.)	(ft.)	(ft.)
170	$11\frac{1}{2}$ miles west	C. C. Appling	Wm. Thomas	1920	. 886	24,		
171		Isaac Weaver	Otto Mickelson	1927	347	24,	347	10
	west	15040 354701	GOOG MICKOLDON	1001		10		
172	9½ miles west	O. W. Bass	0. W. Bass	1932	35	4		0
173		Stoval & Appling	Otto Mickelson	1931	390	24, 12½		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	E. Saman	do.	1930	248	121	248	
*	west				 <del> </del>			
177	4호 miles west	J. L. Myatt	do.	1930	150	12	150	
178	5½ miles west	Adrian Johnson	do.	1927	290	24,	290	2.5
179	6 miles northwest	C. C. Appling	do.	1927	571	24, 12, 10	371	144 500
180	do.	A. Carville	H. Svoboda	1930	32	1支	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	14	32	
183	1년 miles north	Henry Peterson	Otto Mickelson	1918	336	24, 10	386	1.0
184	4¼ miles northwest	J. M. Summers	do.	1909	279	26, 9 <b>-</b> 5/8	278	
185	$2\frac{1}{4}$ miles	H. N. Hansen	H. N. Hansen	1897	30	녆	30	
186	2년 miles north	Otto Mickelson	Otto Mickelson	1918	342	24,	342	1.0
187	1 mile	Chas. Davis	Earl Johnson	1924	89	1.2	88	
	northeast		-		<u>i</u>		:	

	Moto	r level	Method				
Mo.		Date of		Estimated	Use	Land	Remarks
110.		measure-	i .	yield	of	irri-	Troiler II
	measu		ì	(g.p.m.)	i	i i	
	ing po		1939	(B.b.m.)	1939	1939	
	(ft.)		a/		<u>b</u> /	(acres)	
170	(10.)		T,Ng,		Ī	(40105)	365 acres irrigated in 1939 from
110			60		_		this well and well 173 and 194.
ומו	33.11	June 12,	T,G,	1,800	Ī		Casing: 73 feet of 24-inch.
1./1	00.44	1940	50	1,000	_		Screens set at 91 to 101, 136 to
		1340					156, 161 to 178, 193 to 207, 233
		<b>†</b>					to 273 and 285 to 347 feet.
פמו	10.65	June 1,	C,W		D,S		60 275 and 200 80 047 1000.
T150	10.00	1934	,,,,	i ——	1 2,0		
173	16.94		T,0,	715 c/	TI		Casing: 59 feet of 24-inch.
1.0	20.01	1934	60	1 20 2	_		
	17.93	Mar. 11,	00				
	17.50	1940					
174		1010	C.W		D,S		
, ,			,	1	-,-		
175			T.E.	690 c/	Ī	112	Screens set at 25 to 29, 49 to 59,
			25	! -			75 to 155 and 167 to 182 feet.
176			T,E,	680 c/	I	101	Screens set at 24 to 28, 68 to 110
			25				128 to 149 and 208 to 248 feet.
177			T,G,	900	I		Screens set at 33 to 58, 73 to 93,
			40				and 123 to 139 feet. 377 acres
		1 1			i		irrigated in 1939 from this well
		de la companya de la					and wells 200, 221 and 222.
178	19.6	Mar. 24,	T,E,	1,100	N		Casing: 57 feet of 24-inch.
į.		1934	30				Screens set at 57 to 77, 108 to
	18.36	Mar. 21,					128, 152 to 172, 180 to 195 and
		1940		1			230 to 290 feet. Formerly used
179			T,Ng,	1,530 c/	I	146	Casing: 68 for irrigation.
			50				feet of 24-inch. Screens set at
							83 to 133. 183 to 223, 247 to 307
180	<b></b>		C,W		D,S		and 341 to 371 feet.
181	30.08	Mar. 24,	T,Ng,	1,800	N		Casing: 78 feet of 24-inch.
		1934	50		1		Screens set at 78 to 120, 270 to
	24.38	Mar. 11,		1			285, 322 to 392, 427 to 438 and
		1940					462 to 522 feet. Reported, in
							1940, no irrigation since 1936.
182			C,W		D,S		
1 07	18.00	Tune 4	<u> </u>		N		Casing: 38 feet of 24-inch.
TOO	10.00	June 4, 1940			ΤΛ		Screens set at 49 to 59, 207 to
		エタエリ		į	į	Ì	247, 286 to 301 and 346 to 386
			1	1	] -		feet. Formerly used for irriga-
184			T,G,	1,200	I	80	Casing: 50 feet of 26- tion.
TO4			1,0,	1,200	, !		inch. Screen set at 210 to 278
					į		feet. Formerly used for irriga-
185			C,W		D,S		tion.
TOO			, , ,,		, ,		61011.
186	18.31	Mar. 11.	T,-,	1,200	N		Casing: 50 feet of 24-inch.
		1940	<del></del>	-			Screens set at 92 to 100, 226 to
ļ	20.12	Aug. 30,	-	P			271 and 322 to 342 feet. Formerly
		1940		4			used for irrigation.
187			C,W		D,S		
		 		ž.	<u> </u>		

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hecords of wells in Wharton County--Continued Deoth Height or Tell Driller Date Depth Diammeasuring Owner to Distance com- of eter which point fromof Danevang ple - hell well is above ted (ft.) well cased ground (in.) (ft.) (ft)Viggo Anderson 188 15 miles Viggo Anderson 1926 35+ south  $189 2\frac{1}{2}$  miles T. Longwood T. Longwood 1917 30 1 30 southeast Wm. Thomas 310 24, 0 190 11 miles H. P. Stockton 1912 9**-**5/8 west Pat Smidt 191 85 miles Walter Garrett 1916 310 24, 9-5/8 west 192 9 miles do. Wm. Thomas 1915 i 24, ---5.0 9-5/8 west 5.7 193 do. Adams Est. Thomas & Payne 1918 305 24, 9-5/8 R. L. Sublett do. 194 8 miles 1916 302 24, 9-5/8 west Deming Inv. Co. Otto Mickelson 1326 296 195 296 24, 1.0 ₫o∙ 10 Aug. Cihal 1.0 196 6 miles Thomas & Payne 1918 24, \_\_ 9-5/8 west 197 5분 miles Mauritz Bros. Pat Smidt 1926 165 24, west 10 20, Otto Mickelson 1978 198 5 miles H. D. Allen 410 410 southwest 10 199 34 miles 235 26, 285 Jimmie Foltyn do. 1909 west 9-5/8 200 4 miles J. L. Myatt Pat Smidt 1927 310 24, 1.0 12 west 4.5 201 6 miles Chas. Bloom Otto Mickelson 1908 200 24, 9-5/8 west 202 5 miles Chas. Dabaval do. 1925 336 26, 386 northwest 12, 10 1926 54 2g miles Neil Bandfield do. 26, 54 northwest 12 Conner Bros. do. 1920 473 24, 473 204 2 miles northwest 12 15 35+  $205 8\frac{1}{2}$  miles Frank Bard 35+ north F. J. Bohuslav! Frank Habeynal 1933 1 2 68 206 do. 68 C. L. T. cker | 1914 6 miles W. P. Gann 31 1 31 north

	T1* 1		36 13 3	· · · · · · · · · · · · · · · · · · ·			<del></del>
7.7		r level	Method	T	77	† a	Damanla
No.		Date of		Estimated	1	Land	Remarks
	ł	measure-	1	yield	of	irri-	
	measu		1 -	(g.p.m.)	water	gated	
	ing p		1939		1939	1939	
	ft.)		<u>a/</u>		b/	(acres)	
188			C,E, 1/3		D,S		
189		*** ***	C,W		D,S		
190	29.01	June 12,		<b></b>	N		Casing: 60 feet of 24-inch.
	~3001	1940					Reported, in 1940, no irrigation
191	pas		T,Ng, 32		Ī	150	Casing: 60 feet of since 1938. 24-inch.
192	34.59	June 12, 1940	T,Ng, 60		I		Casing: 65 feet of 24-inch.
193	33.68		T,Ng,		Ī		Do.
194			T,Ng,	1,060 <u>c</u> /	Ī		Casing: 60 feet of 24-inch.
195	27.40	June 12,	<del>  ==</del>	<del> </del>	N		Casing: 59 feet of 24-inch.
150	127.120	1940			1		Screens set at 178 to 219 and 228
	-	1310					to 274 feet. Reported, in 1940,
							no irrigation since 1934.
196	20.00	June 13,	<del></del>	<del> </del>	N		Casing: 60 feet of 24-inch.
100	20.20	1940			14		Reported, in 1940, no irrigation
197		1340	T,G,	<del> </del>	I	223	Casing: 50 feet of since 1929.
±31			60		1	220	24-inch.
198			T,D,	2,060 c/	I	439	Casing: 81 feet of 20-inch.
1,00			100	2,000 9		103	Screens set at 29 to 39, 90 to
			100				100, 153 to 168, 197 to 217, 254
							to 279 and 370 to 410 feet. e/
199			<del> </del>	<del> </del>	N		Casing: 40 feet of 26-inch.
133					1 1		Screens set at 59 to 94, 195 to
	}						224 and 264 to 285 feet. Formerly
200	22.17	Apr. 25,	T,-,		<del> </del> I		Casing: used for irrigation.
200	LW. 11	1940	1,,		1		60 feet of 24-inch.
201	23, 26	June 13,	T,G,		N		Casing: 40 feet of 84-inch. Re-
201	20.20	1940	40		14		ported, in 1940, no irrigation
202			T,Tr,	865 <u>c</u> /	I	158	Casing: 70 feet of since 1937.
202			40	000 2/	1	100	26-inch. Screens set at 76 to 91,
			10				101 to 106, 119 to 139, 183 to
	<u> </u>		1				233, 247 to 262 and 346 to 386
203			T,-		N		Casing: 30 feet of 26- feet.
200			1,-		7.4		inch. Screen set at 36 to 54
	İ						feet. Gravel wall well. Reported
				1			ş
204			<del> </del>	<u> </u>	N		in 1940, no irrigation since 1932. Casing: 70 feet of 24-inch.
としよ					TA		Screens set at 79 to 94, 112 to
	1			1			4
	ĺ						122, 131 to 136, 245 to 265, 302
			1				to 388, 411 to 426 and 443 to 473
205			C TAT	<b></b>	<del>                                      </del>		feet. Reported, in 1940, no irri-
205			C,W		D,S		gation since 1933.
206			С,Н		D,S		
•			<u></u>				
207		PROF SP S.	C,W		D,S		
			<u> </u>	<u> </u>			

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			ls in Wharton C				Depth	Heignt of
Well	Distance	Owner	Driller	Date	Depth	Diam-	to	measuring
	from			com-	of	eter	which	point
	Danevang			ple-	well	of	well is	above
	~			ted	(ft.)	well	cased	ground
					<u> </u>	(in.)	(ft.)	(ft.)
208	122	Thos. Martinets	Thos	1918	40			
900	north	T () () ()	Martinets	3015	439	0.3	439	1.0
209	6½ miles northeast	J. C. Allen	Sam Shult	1915	409	26, 10	409 !	1.0
210	7 miles northeast	C. A. Ellwood		-	65	1ੜ੍ਹੇ	65	
211	$5\frac{1}{2}$ miles northeast	A. Carville	H. Svoboda	1929	30	1ੜ੍ਹੇ	30	
212	4 miles northeast	C. Shult	Otto Mickelson	1927	174	26, 12	174	1.5
213	7 miles	J. M. Halamicek	H. Svoboda	1916	45	1½	45	
214		E. Bergstrom	E. Bergstrom	1951	30	2	30	
215	9½ miles northeast	A. C. Thompson	Pic vie		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 <b>-</b> 5/8	178 <del>1</del>	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 <b>-</b> 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	16, 15	199	0
223	$4\frac{1}{4}$ miles northeast	Chas. Shult	Sam Shult	1925	165			
	$4\frac{3}{4}$ miles northeast	Mrs. S. H. Wigginton	Layne-Bowler	1910				3.0
225		Geo. Duffy	Otto Mickelson			12	126	
226	northeast	Sam Shult	Pure Oil Co.	1936	390	6 <del>1</del>		4.0
	7 miles northeast		Sam Shult	1912	314	9-5/8		3.0
	6 miles north	Will Bodungen	do.	1911	i	9-5/8		0
. 229	6½ miles	J. C. Allen	do.	1911	314	24, 10		

	Wate	r level	Method				
No.		Date of	3	Estimated	Use	Land	Remarks
		measure-		yield	of	irri-	
	measu:	,	1	(g.p.m.)		!	
	ing p		1939	(8.b.m.)	1939	1939	
	(ft.)		a/		b/	(acres)	
208	(10.)		C,W		D,S	(acres)	
۵00			, w		י כ, ע		
209	16.4	Mar. 21,	T,G,	1,800	I	140	Casing: 49 feet of 26-inch.
		1934	50			,	Screens set at 62 to 76 feet, 132
	15.64	Mar. 11,			ļ	•	to 154, 237 to 303 and 409 to 439
		1940					feet
210			C,E,		D,S		
211			4		D C	[	
211			C,W		D,S		
212	21.87	June 5,	T,G,	1,800	N		Casing: 49 feet of 26-inch.
210	21.01	1940	40	1,000	1		Screens set at 49 to 91, 102 to
		1340	1 =0				139 and 149 to 174 feet. Reported,
							in 1940, no irrigation since 1937.
213			C,H		D,S		in 1940, no irrigation since 1957.
210			0,11		D,5		
214			C,G,		D,S		
			1洁		<u> </u>		
215			C,W,H		D,S		
016			03	005 - /	<del> </del>	3.65	
216			G1	985 <b>c/</b>	I	167	<u>e</u> /
217			T,G,		N		Casing: 38 feet of 24-inch.
~ _ ,			40		-		Reported, in 1940, no irrigation
218	17.52	June 5,			N		Casing: 40 feet of   since 1936.
		1940	25	İ			26-inch. Screens set at 59 to 95
		1010					and 124 to 178 feet. Reported, in
							1940, no irrigation since 1938.
219					N		Casing: 40 feet of 26-inch.
~1.0			ł		-		Screens set at 45 to 85 and 135 to
				ŧ			170 feet. Reported, in 1940, no
220	21.85	June 5,	T,-	<u> </u>	N		Casing:   irrigation since 1937.
220	7T.00	1940	,_		11		40 feet of 26-inch. Reported, in
		1040					1940, no irrigation since 1925.
221	18 d/	June,	T,G,	1,200	I		Casing: 50 feet of 18-inch.
₩.T	10 11	1940	35	1,200	<u> </u>		casing. 50 feet of 10-inch.
222	18 d/	do.	T,G,		I		Casing: 61 feet of 20-inch.
			40	į			Screens set at 40 to 50, 60 to 75,
					ĺ		107 to 167 and 183 to 193 feet. e/
223			T,G,		N		Casing: 35 feet of 26-inch.
			50				Formerly used for irrigation.
224	21.89	June 5,			N		Reported, in 1940, no irrigation
		1940	40 .				since 1938.
225			T,Tr,		I	97	Casing: 46 feet of 24-inch.
			40				Screens set at 48 to 68 82 to 92
226	20.52	June 5,			N		Formerly and 111 to 126 feet.
		1940					used as supply well for drilling
227	18.05		T,-,		N		Casing: 40 feet of 26- rigs.
,		1940					inch. Reported, in 1940, no irri-
228	17.68		Т,-,		N		Casing: 30   gation since 1936.
~~0	,,00	<u></u>	,		*		feet of 24-inch. Reported, in
229			T,G,		I		1940, no irrigation since 1915.
~~ >			40		_		Casing: 50 feet of 24-inch.
		<del></del>		I <del> </del>	L	<u> </u>	AND THE OF LOOP OF MELTITOH

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		Records of wel	lls in Wharton O	ounty-	Conti	inued	1 T) 1 T-	! TT 2 1. 4
יי די			T	<b>.</b>		l.,	Depth	Height o
Well	Distance	Owne ${f r}$	Driller	i .	Depth		to	measurin
ļ	from			com-	of	eter	which	
	Boling			ple-	well	of	well is	! abore
				ted	(ft.)	well	cased	ground
						(in.)	(ft.)	(ft.)
230	7 miles	W. A. Moers	Sam Golden	1932	42	2	42	
	west	~1					=-	
33T	$6\frac{1}{2}$ miles	Chas. Davis	do∙	1927	56	2	56	
! 	west							
232	$4\frac{1}{2}$ miles	D. A. Dickson	do.	1923	33	2	33	<b> </b>
	west		-		<u> </u>			
233	$4\frac{3}{4}$ miles	W. E. Rodgers	Dave Reed	1929	34	2	34	
	southwest							
234	34 miles	Caroline Henry	Taylor Kemp	1932	50	- 2	50+	
	southwest				_	_	<u> </u>	
235	l를 miles	Chas. Morris			2004	2	20.0+	
	southwest							
236	3 miles	C. L. Lane	D. H. Treadway	1924	93	4,	93	
200	northwest	0. 1. <b>1</b> 1	2. II. IIodaway	1		2	İ	5 1
227	$3\frac{3}{4}$ miles	Frank Barker	Sam Golden	1924	85	2	85	
ಒರಗ	north	Trank Darker	Dam GOIGEN	1364	00	~		
5770	In Boling	Boling Ice &	Luther	1927	754	6 <u>3</u>	<del> </del>	
ಒುರ	ru porrug	, ,		1927	754	074		
- 7.05.0	<i>a</i> • 3	Water Co.	Patterson	3,000	7.00	7.0	ļ	
239	3 miles	G.C.& S.F. R.R.		1929	392	10		2.6
	southbast					}		
								i i
					<u> </u>			
240	2 miles	T. M. Neal	Sam Golden	1926	69	2	69	
	northeast					<u> </u>		
241	3 miles	Texas Gulf	Texas Gulf	1928	487	20	408	2.5
	east	Sulphur Co.	Sulphur Co.		1			
		<u>.</u> .	·					
							İ	
							1	
					1	1		
					į	1	1	
						-		
242	2º miles	doa	do.	1728	532	80		
242	2º miles	do.	do.	1928	532	20		
	east							
	east $2\frac{1}{2}$ miles	do.	do.	1928	532 530	20 20		2.0
	east							
	east $2\frac{1}{2}$ miles							
	east $2\frac{1}{2}$ miles							
	east $2\frac{1}{2}$ miles							
243	east 2½ miles east	đo.	do∙	1929	530	20		2.0
243	east $2\frac{1}{2}$ miles east $2\frac{1}{2}$ miles					20	  834	
243	east 2½ miles east	đo.	do∙	1929	530	20	834	2.0
243	east $2\frac{1}{2}$ miles east $2\frac{1}{2}$ miles	đo.	do∙	1929	530	20	834	2.0
243	east $2\frac{1}{2}$ miles east $2\frac{1}{2}$ miles	đo.	do∙	1929	530	20	834	2.0
243 244	east  2½ miles east  2½ miles cast	do.	do.	1929 1923	530 834	20 12, 8, 6		2.0
243 244	east $2\frac{1}{2}$ miles east $2\frac{1}{2}$ miles	đo.	do∙	1929	530	20	834	2.0
243 244 245	east  2½ miles east  2½ miles cast  3 miles cast	do.	do.	1929 1923	530 834	20 12, 8, 6		2.0
243 244 245	east  2½ miles east  2½ miles cast  3 miles cast	do.	do.	1929 1923	530 834	20 12, 8, 6		2.0
243 244 245	east $2\frac{1}{2}$ miles east $2\frac{1}{2}$ miles east $2\frac{1}{4}$ miles cast $2\frac{1}{4}$ miles	do.  do.  E. V. Baker	do. do.	1929 1923	530 834 414	20 12, 8, 6	414	2.0 0
243 244 245	east  2½ miles east  2½ miles cast  3 miles cast	do.  do.  E. V. Baker	do. do. Luther	1929 1923	530 834 414	20 12, 8, 6	414	2.0 0
243 244 245	east $2\frac{1}{2}$ miles east $2\frac{1}{2}$ miles east $2\frac{1}{4}$ miles cast $2\frac{1}{4}$ miles	do.  do.  E. V. Baker	do. do. Luther	1929 1923	530 834 414	20 12, 8, 6	414	2.0 0
243 244 245	east $2\frac{1}{2}$ miles east $2\frac{1}{2}$ miles cast $2\frac{1}{4}$ miles northeast	do.  do.  E. V. Baker	do. do. Luther	1929 1923	530 834 414	20 12, 8, 6	414	2.0 0

		Mates	loval	Method				
Design   D	Mc.			1 1	Fatimated	IIdo	Tond	Pomonira
messur- ment   noner   1939   1938   1939   1939   1938   1939   1938   1939   1938   1939   1938   1939   1938   1939   1938   1939   1938   1939   1938	140						! :	neliarks
ing point					•	ł :	1	
State					(8. D.m.)	1		
230 C,H,G D,S 231 C,H D,S 232 C,H D,S 233 C,H D,S 234 C,H D,S 235 C,H,G D,S 236 C,H D,S 237 C,H D,S 238 C,H,G D,S 239 C,H D,S 231 C,H D,S 232 C,H D,S 233 C,H D,S 234 C,H D,S 235 C,H,G D,S 237 C,H D,S 238 A,G, 60 F Pumpage reported, 27,500,000 gallons a year. 239 19.8 Feb. 15, A, RR Pumpage reported 100,000 gallons a week. 25.13 Mer. 11, 1940 240 N Caved and abandoned. 241 19.85 Feb. 15, 700 N Caved and abandoned. 241 19.85 Feb. 15, 700 N Caved and abandoned. 242 19.84 Feb. 15, 700 N Caved and abandoned. 243 19.84 Feb. 15, 700 N Caved and abandoned. 244 25 Feb. 15, T,E, 500 Ind Known as Wooms No. 1 hour. p/ 4 feet of 15½-inch screen; 79 feet of open 12- 242 T,E, 1,000 Ind Known as Wooms No. 1 hour. p/ 4 feet of 15½-inch blank; 149 feet of 15½-inch screen; 82 feet of 12- 243 26.92 Feb. 15, T,E, 500 F Casing: 342 feet of 20-inch; 349 feet of 15½-inch screen; 82 feet of 15½- 244 25 6/ Apr, T,E, 500 Ind Casing: 344 feet of 15½-inch conjunction with well 244 for New Gulf townsits surcely. Known as Weems 244 25 6/ Nev, T,E, 500 Ind Casing: 344 feet of 15½-inch; 245 26 6/ Nev, T,E, 500 Ind Casing: 344 feet of 15½-inch; 247 50 6/ Apr, T,E, 125 Ind Casing: 344 feet of 15½-inch; 247 50 6/ Apr, T,E, 125 Ind Casing: 344 feet of 15½-inch; 247 50 6/ Apr, T,E, 125 Ind Screen set at Weems No. 6. g/ 70 to 90 feet. Used in conjunction with wells 247 to 250 to supply 30-slower Co. Known as Baker 247 50 6/ do. T,E, 250 Ind Screen set at 49 to 116 No. 1.			) ill C	1		•	3	
232	0570						(acres)	
232	230			U,H,G		ש,5		
232	271			7 11		n a		
233	()QL			U,11		υ,υ		
233	232			CG		Dg	<b></b>	
234	202				_	,,,,		
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235 C.W D.S 236 C.W D.S 237 C.H D.S 238 C.H D.S 238 C.H D.S 239 19.8 Neb. 18, A S. S. S. S. S. S. S. S. S. S. S. S. S.				,		, - , -		
235       C,H,G     D,S       236       C,H     D,S       237       C,H     D,S       238       A,G   60   P     Pumpage reported, 27,500,000   gallons a year.   239   19.8   Peb. 15,   A,-     RR     Pumpage reported 100,000 gallons a week.   239   19.8   Peb. 15,   A,-     RR     Pumpage reported 100,000 gallons a week.   240       N     Caved and abandoned.   241   19.35   Feb. 15,     700   N     Casing; 365   feet of 20-linch; 354   feet 15½-linch; 54   feet of 15½-linch screen; 79   feet of open 12-linch hole. Known as Taylor No. 3.   Reported unused since 1931.   Reported unused	234	<b>-</b> -		C.H		D,S		
236								
237     C, H     D, S	235			C,H,G		D,S		
237     C, H     D, S								
238     A,G,   55   Feb. 15,   A,-	236			C,W		D,S		
238     A,G,   55   Feb. 15,   A,-	<b>.</b>							
239   19.8   Feb. 15,   A,-     RR     Pumpage reported 100,000 gallons a week.	237			C,H		D,S		
239   19.8   Feb. 15,   A,-     RR     Pumpage reported 100,000 gallons a week.	.,			<u> </u>				
259   19.8   Feb. 15,   A,-     RR     Fumpage reported 100,000 gallons a week.	238				60	P		
1934   25.13   Mar. 11,   1940   240         N     Caved and abandoned.						<u> </u>		
25.13 Mar. 11,   1940   240       N     Caved and abandoned.	239	19.8	, -	A,-		RR		
1940						1		week.
240         N     Caved and abandoned.		25.13	, .					1 1 1
241   19.85   Feb. 15,		<u> </u>	1940		j }	<u> </u>	ļ	
1934   1940     feet 15½-inch; 54 feet of 15½-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 Known as Weems No. 1 hour. a/4.   243   26.92   feb. 15, T,E,	240					N		Caved and abandoned.
1934   1940     feet 15½-inch; 54 feet of 15½-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 Known as Weems No. 1 hour. a/4.   243   26.92   feb. 15, T,E,	0.43	10.05	TO 1 3 CT		F100	<u> </u>		G
36.79 Mar. 11, 1940   inch screen; 79 feet of open 12-   inch hole. Known as Taylor No. 3. Reported unused since 1931. Re-   ported 59 feet drawdown after	241	TA•82	1		700	IN		1 :
1940		7.0 70		+				
Reported unused since 1931. Reported 59 feet drawdown after pumping 700 gallons a minute for E42 T,E, 1,000 Ind Known as Weems No. 1 hour. a/4.    243 26.92 Feb. 15, T,E, 500 P Casing: 342 feet of 20-inch; 349 feet of 15½-inch blank; 149 feet of 15½-inch pen hele. Used in conjunction with well 244 for New Gulf townsite supply. Known as Weems   244 25 d/ Apr, T,E, 300 P Casing: 126 feet No. 5. e/0 for 12-inch; 355 feet of 8-inch; 355 feet of 6-inch. Screens set at 436 to 478 and 483 to 486 feet. Known as Weems No. 2. a/245 25 d/ Nov, T,E, 500 Ind Casing: 344 feet of 12½-inch; 1929 30		00.79	1					
ported 59 feet drawdown after   pumping 700 gallons a minute for			1.340					
Dumping 700 gallons a minute for   Sumping 700 gallons   Sumping								
T,E,   1,000   Ind								1 -
So   So   So   So   So   So   So   So	242			T.E.	1.000	Ind		Known as Weems No. 1 hour. e/
243 26.92 Feb. 15, T,E, 20 P Casing: 342 feet of 20-inch; 349 feet of 15½-inch blank; 149 feet of 15½-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, T,E, 300 P Casing: 126 feet No. 5. e/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. a/  245 25 d/ Nov, T,E, 500 Ind Casing: 344 feet of 12½-inch; 415½ feet of 10-inch. Known as 246 50 d/ Apr, T,E, 125 Ind Screen set at Weems No. 6. e/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, 250 Ind Screen set at 94 to 116 No. 1.	~1~			1	_,000			
1934   20     feet of 15½-inch blank; 149 feet of 15½-inch screen; 32 feet of 12-inch open hele. Used in conjunction with well 244 for New Gulf teamsite supply. Known as Weems   244 25 d/ Apr, T.E,   300   P     Casing: 126 feet   No. 5. e/ 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. e/   245 25 d/ Nov, T.E,   500   Ind     Casing: 344 feet of 12½-inch; 1929   30     415½ feet of 10-inch. Known as   246 50 d/ Apr, T.E,   125   Ind     Screen set at   Weems No. 6. e/ 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,   250   Ind     Screen set at 94 to 116   No. 1.	243	26.92	Feb. 15.		500	P		<del></del>
of 15½-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, T.E, 300 P Casing: 126 feet No. 5. e/ 1928 10 Casing: 126 feet No. 5. e/ 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. e/ Known as Weems No. 2. e/ 245 25 d/Nov, T.E, 500 Ind Casing: 344 feet of 12½-inch; 1929 30 Casing: 344 feet of 10-inch. Known as  246 50 d/Apr, T.E, 125 Ind Screen set at Weems No. 6. e/ 1940 5 Casing: 344 feet of 10-inch. Known as 247 50 d/do. T.E, 250 Ind Screen set at 94 to 116 No. 1.			1					
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townsite supply. Known as Weems   244   25 d   Apr, T.E.,   300   P     Casing: 126 feet   No. 5. e     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. e				İ	1			
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1928   10	244	25 đ/	Apr,	T,E,	300	P		in the second se
at 436 to 478 and 483 to 486 feet.   Known as Weems No. 2. a/   245 25 d/ Nov, T.E.,   500   Ind     Casing: 344 feet of 12½-inch;   415½ feet of 10-inch. Known as   246 50 d/ Apr, T.E.,   125   Ind     Screen set at   Weems No. 6. e/   70 to 90 feet. Used in conjunction with wells 247 to 250 to supply Sulphur Co. Known as Baker   247 50 d/ dc. T.E.,   250   Ind     Screen set at 94 to 116   No. 1.			1928	10	The state of the s	1	+	
Known as Weems No. 2. a/   245   25 d/ Nov, T.E.,   500   Ind     Casing: 344 feet of 12½-inch;   415½ feet of 10-inch. Known as     246   50 d/ Apr, T.E.,   125   Ind     Screen set at   Weems No. 6. e/       1940   5   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.,   250   Ind     Screen set at 94 to 116   No. 1.					Valence of the Control of the Contro		į	3
245 25 d/ Nov, T.E., 500 Ind Casing: 344 feet of 12½-inch; 1929 30 415½ feet of 10-inch. Known as 246 50 d/ Apr, T.E., 125 Ind Screen set at Weems No. 6. e/ 1940 5 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., 250 Ind Screen set at 94 to 116 No. 1.				1				1
1929   30   415½ feet of 10-inch. Known as   246 50 d/ Apr, T.E.,   125   Ind     Screen set at   Weems No. 6. e/   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.,   250   Ind     Screen set at 94 to 116   No. 1.		<u> </u>	<u> </u>	ļ		<u> </u>	<del></del>	
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tion with wells 247 to 250 to supply Sulphur Co. Known as Baker 247 50 d/ do. T.E., 250 Ind Screen set at 94 to 116 No. 1.	246	b0 <b>g</b> /	1 -		125	⊥nd		
ply Sulphur Co. Known as Baker   247 50 d/ do. T.E., 250 Ind Screen set at 94 to 116   No. 1.			µ940	1 5				•
247 50 d/ do. T,E, 250 Ind Screen set at 94 to 116 No. 1.								i i i i i i i i i i i i i i i i i i i
	6 J P	<u> </u>	3 -	Im 70	050	T- 2	<del> </del>	
10   Feet. Known as Baker No. 2.	247	bn a√	ao.		250	Ind		***************************************
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		TIOOOT GD OT WOT	ls in Wharton Co	201103				1
					•		Depth	Height of
Well	Distance	Owner	Driller	Date	Depth	Diam-	to	measurin
	from			com-	of	eter	which	point
	Boling			ple-	well	of	well is	abovo
				ted	(ft.)	,	cased	ground
j				1000	(101,	(in.)	(ft.)	(ft)
240	$2\frac{1}{4}$ miles	E. V. Baker	Luther	1956	116		116	0
£40		r. A. Daker.		TASC	TTO	10	110	
	northeast		Patterson					<u> </u>
249	do.	do.	₫o•	1938	87	10	87	0
				1				
				! !				
250	do.	do.	do•	1939	87	10	87	0
				, }	1	I		į
251	$4\frac{1}{2}$ miles	Duval Tex.	Duval Tex.	1934	650	12ភ្នំ	650+	<del> </del>
202	northeast	Sulphur Co.	Sulphur Co.	1001	000.		"-	
262				1074	CEO	101	CEO+	
252	do.	do.	ತು∙	1934	650	<u>년</u> 12월	650 <u>+</u>	
253	do∙	do.	do.	1934	650	· 12 <sup>1</sup>	650 <u>+</u>	
				, }	İ			
254	₫o∙	do.	do•	1934	650	12 <u>1</u>	650+	
						_ ~ &	_	<b>i</b>
255	do.	do.	Layne-Texas	1937	708	173	236	<del> </del>
500	40•	49.		1001	700	13, 10 <sup>3</sup> / <sub>4</sub> ,	200	
			Co.			104,	l	1
				, }		8-5/8		
					Ì	1		
			 	ļ !				
256	6 miles	G.C.& S.F. R.R.						
	southwest			į				
257	7 miles	A. C. Cockburn	L. C. McDavid	1976	35	2	35	0
201		ŧ	T. O. MCDAVIO	1 3.10	1 30	~	1 22	i
	southwest							
258	9 miles	Geo. Cockburn	Henry Lane	1909	260	6,	260	0
	southwest					$\frac{1}{2}$	i i	
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7-77	D: -+	0	75	i   To = 1 = -	D 1 2	D:	Depth	Height o
Vell	Distance	Owner	Driller	i	Dooth	1	to	measuring
	from			com-	of	eter	which	point
	Hahn			pLu-	well	of	well is	above
				;tod	(ft.)	well	cased	ground
						(in.)	(ft.)	(ft.)
259	l <del>l</del> miles	Geo. Raum	Otto Mickelson	11930	275	24,		•5
203	north	GOO TIQUE	2000 WIOKGIDOH	1200	1 210			1
0.00		T) - 7		<del></del>	-	12	ļ	<del> </del>
260	mile	Dr. J. A.		<b>-</b> -		24,		0
	northwest	Halamicek						<u> </u>
261	$\frac{1}{2}$ mile	Leo Bodungen	Charley	1913	190	24,		
	west	_	Mickelson	!		9-5/8	i i	
262	를 mile	Conner Est.	Pat Smidt	1918	210	24,		
~~~	east		- 23 200		~-~	10	•	i
	0000			ļ	1	1.0		1
045	3	3 -	O++- 30:-1 7	7.000	<del>                                     </del>			<del> </del>
263	$\frac{3}{4}$ mile	do.	Otto Mickelson	ITASO	240	24,	240	.5
	east					10		
					<u></u>		1 age	<u> </u>
264	$2\frac{3}{4}$ miles	John Naiser	Layne-Bowler	1908	153	24,	137	0
		1	, ,,,,,,,	1		9-5/8		_
	least	l .						
	east		i	!	1	0,0	•	1
	east	Andrews and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second		4	- u			7
	east			-	indep a su proposación de		There are the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control	

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Nc•	-	r level	Method	777 - 1 - 2 - 3 - 3	77		T) }
140.		Date of measure-		Estimated	t .	Land	Remarks
	measu	•	i i	yield	of	irri-	
1	ing p		1939	(g.p.m.)	water	gated	
	(ft.)	i	<u>a</u> /		1939	1939	
940		Ann		250	b/ Ind	(acres)	Screen set at 96 to 116 feet.
240	50 <u>d</u> /	Apr,	T,E, 10	200	THU		
240	10 4/			300	Ind		Known as Baker No. 3. Screen set at 77 to 87 feet.
249	42 <u>d</u> /	1938	T,E, 10	300	I IIIU		Drilled to 116 feet and plugged
		T300	10	<i>;</i>			back to 87 feet. Known as Baker
250	50 d/	Ann	T,E,	350	Ind		Screen set at 74 to No. 4. e/
250	20 07	Apr,	1,5,	330	1110		87 feet. Known as Baker No. 5. e/
251		1340	T,E,	300	Ind		Used in conjunction with wells 252
201			20	1	1110		to 255 to supply Sulphur Co. Known
252			T,E,	300	Ind		Known as Duval as Duval Ne. 2.
ಒಂಬ			20	1	111/4		No. 3.
253			T,E,	300	Ind	<del> </del>	Known as Duval No. 4.
۵٥٥			20		+110		IMIOWII AB DAVAL NOV 4.
254			T,E,	300	Ind		Known as Duval No. 5.
~ 0 1			20	000	-114	1	intown ab bavar ner or
255			T,-,		Ind		Casing: 139 feet of 13-inch; 16
700	i.		,	1			feet of $10\frac{3}{4}$ -inch lapped 14 feet
							into 13-inch; 109 feet of 8-5/8-
				1			inch. Screen set at 167 to 234
							feet. Known as Duval No. 1. e/
256			pus 1484		RR		Pumpage reported 30,000 gallons a
							week.
257	15 d/	Mar	C,V		D		
		1936					
258	18 d/	Nov,	C,W		D,S		Casing: 64 feet of 6-inch; 176
		1939					feet of 4-inch blank lapped 64
							feet into 6-inch. 20 feet of 4-
			_	different in the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the		1	inch screen. Bottom 64 feet of
				<u> </u>			hole is open. e/-
	Wate	r level	Method				
No•		Date of		Estimated	Use	Land	Remarks
	-	measure-	ī	yield	of	irri-	
	measu:	•	3	(g.p.m.)	water	gated	
	ing p		1939		1939	1939	
	(ft.)		a./		h/	(acres)	
259	39.70				N		Formerly used for irrigation.
		1940					
260	38.27				И		Do.
		1940					
261			T,E,		I		Casing: 55 feet of 24-inch.
			40			<u> </u>	
262					N		Casing: 60 feet of 24-inch.
				1			Screen set at 60 to 160 feet.
					<u> </u>		Formerly used for irrigation.
263	40.71	May 28,			N		Casing: 64 feet of 24-inch.
		1940					Screens set at 89 to 149 and 170
					<u></u>		to 240 feet. Reported, in 1940, no
264	41.68				N		Casing: irrigation since 1937.
-		1940		rapine di			50 feet of 24-inch. Screens set
							at 50 to 70 and 91 to 129 feet.
				All the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o	1		Reported, in 1940, no irrigation
					<u> </u>		since 1935. <u>e</u> /
	1						

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Well	Distance	Owner	ls in Wharton Co				Depth	Height o
IGTT	i	owner.	Driller	1	Depth	i	to	measurin
	from			com-	1	eter	which	point
	Hahn				well	of	well is	1
				ted	(ft.)	well  (in.)	cased (ft.)	ground (ft.)
	2을 miles east	Dr. J. A. Halamicek	gay sald			24,		0
260	दे miles southeast	Dr. E. A. Weinheimer	Layne-B <b>owler</b>	1908	320	24, 11 <b>-</b> 5/8, 9 <b>-</b> 5/8	320	0
	la miles southeast	C. Swanson & Sons	Stancliff	1909	150	24, 9 <b>-</b> 5/8		0
268	12 miles southeast	Bisken-Meyers	Otto Mickelson	1920	275	24, 10	275	
269	2 miles south	C. R. Hicks	Layne-Bowler	1910	269		254	0
270	l mile south	J. B. Putnam	Thomas & Payne	1918	200		200	
271	$\frac{3}{4}$ mile southwest	do.	Oscar Williams	1907	130	24, 9 <b>-</b> 5/8		
	$2\frac{1}{4}$ miles southwest	A. W. Millican	John Mickelson	1909	200	24, 10	200	0
	$3\frac{1}{4}$ miles southwest	Myatt & Beck	M. Layne	1919	311	12		•1
274	4 miles southwest	do.	A. Layne	1918	169	24, 12		
275	do.	Mrs. Rose Campbell	Layne-Bowler	1 <b>9</b> 08	187	24, 9 <b>-</b> 5/8		
276	$4\frac{1}{2}$ miles southwest	Richard Meeks	Charley Mickelson	1912	200	± 24, 12		•5
277	$4\frac{1}{4}$ miles southwest	Harry Wyer	do•	1913	200			0
278	3½ miles southwest	Eric Allenson	Wm. Thomas	1915	210			0
279	6분 miles south	Otto Peterson	do.	1904	171	24, 9 <b>–</b> 5/8		0
280	5½ miles south	Mrs. Alfred Peterson	₫o.	1915	190			1.0
281	5 miles south	C. W. Beckett Est.	Stucker	1908	201			0
	$4\frac{3}{4}$ miles	đo∙		1908	200	24, 9 <b>-</b> 5/8		0
	4章 miles south	S. G. Shrader	Charley Mickelson	1908	200	24, 9 <b>-</b> 5/8		0
284;   	3¼ miles south	J. J. Hill	Otto Mickelson	1920	332	26, 12	332	0
285	り上 miles south	Will Wendel	John Mickelson	1909	200	+ 24, 10		•5
286	24 miles south	S. G. Shrader	Charley Mickelson	1912	190			2.5
287	3½ miles south	Dr. J. A. Halamicek		Old	200	24,-		0
288	$4\frac{1}{4}$ miles southeast	J. W. Leach	Otto Mickelson	1913	320	24, 9 <b>-</b> 5/8		

No.   Depth   Date of   Of lift   Batimated   Use   Land		Water	n lowel !	Method		<del></del>	1	
bolow   measure   and   measure   ment   power   (g.p.m.)   water gated   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   193	No.				Tatimated	TTab	Tond	Domonica
measur	140 •				\$	3	1	Remarks
1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939   1939					, -		1	
(ft.)					(g.b.m.)		. –	
250   37.27   May   31,   T,   -   N     Casing: 43 feet of 24-inch.   Formerly used for irrigation.						<b>(</b> .	1	
1940	005						<del></del>	
Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec   Sec	260	37.27	, ,	Τ,-		N		i e
1940								
	266	36.68	,	Τ,-		N	<b></b>	
267         38.02         do.         T,-          N          Casing: lused for irrigation. Sported in 1940, no irrigation since 1922.         268          T,G,          N          Casing: 60 feet of 24-inch. Sported, in 1940, no irrigation since 1922.         269         22.65         June 1, T,E,          I         139         Casing: 50 feet of 24-inch. Screen set at 78 to 223 and 238         270           T,E,          I         85         Casing: 50 feet   to 254 feet. g. of 22-inch. Screen set at 100 to 223 and 238         271          T,E,          I         30         Casing: 50 feet   to 254 feet. g. of 22-inch. Screen set at 100 to 224-inch. Screen set at 100 to 224-inch. Screen set at 100 to 224-inch. Screen set at 125 to 120 feet. 24-inch. Screen set at 125 to 120 feet. 24-inch. Screen set at 125 to 120 feet. 24-inch. Screen set at 125 to 120 feet. 24-inch. Screen set at 125 to 120 feet. 24-inch. Screen set at 125 to 120 feet. 24-inch. Screen set at 125 to 120 feet. 24-inch. Screen set at 125 to 120 feet. 22-inch. Screen set at 125 to 120 feet. 22-inch. Screen set at 125 to 120 feet. 22-inch. Reported, in 1240, no irrigation. 270 feet. 22-inch. Reported, in 1240, no irrigation. 270 feet. 27-inch. Reported, in 1240, no irrigation. 270 feet. 27-inch. Reported, in 1240, no irrigation. 270 feet. 27-inch. Reported, in 1240, no irrigation. 270 feet. 27-inch. Reported, in 1240, no irrigation. 270 feet. 27-inch. Reported, in 1240, no irrigation. 270 feet. 27-inch. Reported, in 1240, no irrigation. 270 feet. 27-inch. Reported, in 1240, no irrigation. 270 feet.			1940		İ			
So feet of 24-inch. Reproted, in 1940, no irrigation since 1922.   268								
1940, no irrigation since 1922.   258	267	38.02	⁻ do.	Т,-		N		Casing: used for irrigation.
268							•	50 feet of 24-inch. Reported, in
268								1940, no irrigation since 1922.
Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Separation   Sep	268			T,G,		N		
269   25.65   June 1,   T.E,     I   139   Casing: 50 feet of 24-inch.								Formerly used for irrigation. e/
1340   40   Screens set at 78 to 283 and 238	269	25.65	June 1.			I	139	
T.E.								
10	270					T	85	Casing: 50 feet   to 254 feet. e/
271	~ 1 0							
24-inch.   24-inch.   24-inch.   272   33.46   May   31,       N     Reported, in 1940, no irrigation for several years.   273   36.20   May   27,   7,7   1,005   0   1   108   Casing: 68 feet of 26-inch.   274       T.F.     I   85   Casing: 49 feet of 24-inch.   275       T   420   0   N     Casing: 54 feet of 24-inch.   Screens set at 125 to 14c and 159   to 179 feet.   Formerly used for irrigation.   276   30.54   May   28,       N     Casing: 60 feet of 24-inch.   279   22.13   do.   T     N     Casing: 60 feet of 24-inch.   Reported, in 1940, no irrigation   279   22.13   do.   T     N     Casing: 40 feet of 1   since 1932.   24-inch.   Reported, in 1940, no irrigation   280   31.11   do.   T   1,000   2   N     Casing: 40 feet of 24-inch.   Formerly used   281   28.38   do.   C.W     S     Casing: 1   Irrigation.   Enterorized   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no   1940, no	271					<del> </del>	<del> </del>	<del></del>
272   33.46   May   31,         N     Reported, in 1940, no irrigation for several years.	~/ <b>⊥</b>					_		
1940	2779	77 16	Mov 27	<del></del>	<del> </del>	NT NT	<del> </del>	
273   36.20   May   27,   T,D,   1,005   O   I   108   Casing: 68 feet of 26-inch.   50   17,E,     I   85   Casing: 49 feet of 24-inch.   30   Casing: 54 feet of 24-inch.   Screens set at 125 to 140 and 159   to 179 feet.   Formerly used for   trigation.   1940   276   30.54   May   28,	212	00.40	, ,			7.4		1 -
1940   50	OFF	70.00		- T	1 205 -/	<del> </del>	100	
T,E,   30	273	36.20	, -		1,005 6/	1 1	108	casing: 68 feet of 26-inch.
30   30   30   30   30   30   30   30			1940			ļ <u>-</u> -	<u> </u>	
275	274					] 1	85	Casing: 49 feet of 24-inch.
Screens set at 125 to 14C and 159 to 179 feet. Formerly used for to 179 feet. Formerly used for 1940   Formerly used for irrigation.					<del> </del>			
1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940   1940	275			Τ,-,	420 <u>c</u> /	N		1
276   30.54   May 28,       N     Formerly used for   irrigation.								1
1940						·		· <del></del>
277   27.96   May   31,   T,E,   30   30   30   30   30   30   30   3	276	30.54	, ,			N		Formerly used for irrigation.
1940   30   30.75   do.     N     Casing: 60 feet of 24-inch. Reported, in 1940, no irrigation 279 22.13   do.   T,-,     N     Casing: 40 feet of   since 1932.								irrigation.
278   30.75   do.     N     Casing: 60 feet of 24-inch. Reported, in 1940, no irrigation	277	27.96	May 31,	T,E,		I		Do.
Reported, in 1940, no irrigation   279   22.13   do.   T,-,     N     Casing: 40   feet of   since 1932.   24-inch. Reported, in 1940, no   280   31.11   do.   T,-,   1,000   c/   N     Casing:   irrigation since 1928.   60   feet of   24-inch. Formerly used   281   28.38   do.   C,W     S     Casing:   50   for irrigation.   feet of   24-inch. Formerly used   282   30.91   do.     N     Reported, in   for irrigation.   1940, no irrigation since 1915.   283   30.73   do.   T,-,     N     Reported, in 1940, no irrigation since 1938.   284   31.23   May   28,       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 since 1937.   285   31.20   June   1,   -,W     N     Reported, in 1940, no   tion.   1940   irrigation since 1937.   286   36.25   do.   T,Tr,     I   90   Casing:   60   feet of   24-inch.   287   18.78   May   31,       N     Casing:   39   feet of   24-inch.   287   18.78   May   31,       N     Casing:   39   feet of   24-inch.   50   Formerly used   for irrigation.   287   18.78   May   31,       N     Casing:   39   feet of   24-inch.   50   Formerly used   for irrigation.   50   Formerly used   for irrigation.   50   Formerly used   for irrigation.   50   Formerly used   for irrigation.   50   Formerly used   for irrigation.   50   Formerly used   for irrigation.   50   Formerly used   for irrigation.   50   Formerly used   for irrigation.   50   Formerly used   for irrigation.   50   Formerly used   for irrigation.   50   Formerly used   for irrigation.   50   Formerly used   for irrigation.   50   Formerly used   for irrigation.   50   Formerly used   for irrigation.   50   Formerly used   for irrigation.   50   Formerly used   for irrigation.   50   Formerly used   for irrigation.   50   Formerly used   for irrigation.   50   Formerly used   for irrigation.   50   Formerly used   for irrigation.   50   Formerly used   for irr			1940	30				
22.13   do.	278	30.75	do.			N		Casing: 60 feet of 24-inch.
22.13   do.								Reported, in 1940, no irrigation
24-inch. Reported, in 1940, no   280   31.11   do.   T,-,   1,000   c/   N     Casing:   irrigation since 1928.   60   feet of 24-inch. Formerly used   281   28.38   do.   C,W     S     Casing: 50   for irrigation.   feet of 24-inch. Formerly used   282   30.91   do.     N     Reported, in   for irrigation.   1940, no irrigation since 1915.   283   30.73   do.   T,-,     N     Reported, in 1940, no irrigation since 1938.   284   31.23   May   28,     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 since 1937.   286   36.25   do.   T,Tr,     I   90   Casing: 60   feet of 24-inch.   40   287   18.78   May   31,     N     Casing: 39   feet of 24-inch.   Formerly used for irrigation.	279	22.13	do.	T		N		
280 31.11 do. T,-, 1,000 c/ N Casing: irrigation since 1928.  281 28.38 do. C,W S Casing: 50 for irrigation.  282 30.91 do N Reported, in for irrigation.  283 30.73 do. T,-, N Reported, in 1940, no irrigation.  284 31.23 May 28, N Casing: 60 feet of 26-inch.  285 31.20 June 1, -,W N Reported, in 1940, no irrigation.  286 36.25 do. T,Tr, I 90 Casing: 60 feet of 24-inch.  287 18.78 May 31, N Casing: 39 feet of 24-inch.  287 18.78 May 31, N Casing: 39 feet of 24-inch.  288 Formerly used for irrigation.				<b>-</b>				
Casing: 50   for irrigation.   feet of 24-inch.   Formerly used	280	31.11	do.	Ψ	1.000 c/	N		
281 28.38 do. C,W S Casing: 50 for irrigation. feet of 24-inch. Formerly used 282 30.91 do N Reported, in for irrigation. 1940, no irrigation since 1915. 283 30.73 do. T,-, N Reported, in 1940, no irrigation since 1938. 284 31.23 May 28, 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 irrigation since 1937. 285 31.20 June 1, -,W N Reported, in 1940, no tion 1940 286 36.25 do. T,Tr, I 90 Casing: 60 feet of 24-inch. 40 287 18.78 May 31, N Casing: 39 feet of 24-inch. Formerly used for irrigation.		01.11	200	-, ,	1,000	1		
feet of 24-inch. Formerly used   282   30.91   do.     N     Reported, in   for irrigation   1940, no irrigation since 1915.   283   30.73   do.   T,-,     N     Reported, in 1940, no irrigation since 1915.   284   31.23   May   28,     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   1940     1940     1940     285   36.25   do.   T,Tr,     I   90   Casing: 60   feet of 24-inch.   287   18.78   May   31,     N     Casing: 39   feet of 24-inch.   Formerly used for irrigation.	281	28.38	do.	C W	<del> </del>	g		
282 30.91 do N Reported, in for irrigation 1940, no irrigation since 1915.  283 30.73 do. T,-, N Reported, in 1940, no irrigation since 1938.  284 31.23 May 28, 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 irrigation since 1937.  285 31.20 June 1, -,W N Reported, in 1940, no tion irrigation since 1937.  286 36.25 do. T,Tr, I 90 Casing: 60 feet of 24-inch.  287 18.78 May 31, N Casing: 39 feet of 24-inch.  Formerly used for irrigation.	201	20.00	40.	, ,,				
1940, no irrigation since 1915.   283   30.73   do.	202	30 01	5.5		<u> </u>	NT		
283 30.73 do. T,-, N Reported, in 1940, no irrigation since 1938.  284 31.23 May 28, 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 irrigation since 1937.  285 31.20 June 1, -,W N Reported, in 1940, no tion irrigation since 1937.  286 36.25 do. T,Tr, I 90 Casing: 60 feet of 24-inch.  40  287 18.78 May 31, N Casing: 39 feet of 24-inch.  Formerly used for irrigation.	ಎರಎ	100.AT	uu.		1	TM TM		
Since 1938.   Since 1938.	0.01Z	70 77	2 -	m	<del> </del>	NT NT	<b></b>	
284 31.23 May 28, N Casing: 60 feet of 26-inch.  1940 Screens set at 50 to 60, 145 to 195, 224 to 234 and 273 to 332 feet. Formerly used for irriga- 285 31.20 June 1, -,W N Reported, in 1940, no 1940 irrigation since 1937.  286 36.25 do. T,Tr, I 90 Casing: 60 feet of 24-inch.  287 18.78 May 31, N Casing: 39 feet of 24-inch.  1940 Formerly used for irrigation.	283	30.73	ao.	Т,-,		l N		
Screens set at 50 to 60, 145 to 195, 224 to 234 and 273 to 332   feet. Formerly used for irrigation since 1937.		<u> </u>	37 55			<del></del>	<u> </u>	
195, 224 to 234 and 273 to 332   feet. Formerly used for irrigation since 1940, no   tion   irrigation since 1937.	284	31.23	,			N		
			1940					
285 31.20 June 1, -,W N Reported, in 1940, no tion irrigation since 1937.  286 36.25 do. T,Tr, I 90 Casing: 60 feet of 24-inch.  287 18.78 May 31, N Casing: 39 feet of 24-inch.  1940 Formerly used for irrigation.			ATT COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO THE COLUMN TO TH		-			
1940   irrigation since 1937.						<u> </u>	<u> </u>	
286 36.25 do. T,Tr, I 90 Casing: 60 feet of 24-inch.  287 18.78 May 31, N Casing: 39 feet of 24-inch.  Formerly used for irrigation.	285	31.20	,	-,W		N		Reported, in 1940, no tion.
286 36.25 do. T,Tr, I 90 Casing: 60 feet of 24-inch.  287 18.78 May 31, N Casing: 39 feet of 24-inch.  Formerly used for irrigation.			1940				<u></u>	irrigation since 1937.
287 18.78 May 31, N Casing: 39 feet of 24-inch. 1940 Formerly used for irrigation.	286	36.25		T,Tr,		I	90	
287 18.78 May 31, N Casing: 39 feet of 24-inch.  1940 Formerly used for irrigation.								
1940 Formerly used for irrigation.	287	18.78	May 31.	<del></del>		N		Casing: 39 feet of 24-inch.
			,		-			
	288		<del> </del>	T	1	Ţ	175	
				_		-		

		Records of wel	ls in Wharton C	ounty.	Cont	inued		
							Depth	Height of
Well	Distance	Owner	Driller	Date	Depth	Diam-	to	measuring
	from	} !		com-	of	eter	which	point
	Hahn			ple-	well	of	well is	above
:				ted	(ft.)	well	cased	ground
						(in.)	(ft.)	(ft.)
289	5를 miles	E. H. Swanson		<b>01</b> d		24,		
	southeast					9-5/8		
290	5 miles	Sigfred Johnson	Stancliff	1907	100	24,		
	southeast					9-5/8		
291	5를 miles	Paul Herman				24,		
:	southeast							
							Depth	Height of
Well	Distance	Owner	Driller	Date	Depth	Diam-	to	measuring
	from		332233	com-	of	eter	which	point
	Louise				well	of	well is	-
				ted	(ft.)	ľ	cased	ground
					, ,	(in.)	(ft.)	(ft.)
292	3 miles	Wm. Koch	Wm. Thomas	1910	280			
	west					9 <b>-</b> 5/8		
293	$2\frac{3}{4}$ miles	Axel Ekvall	do.	1912	280			3.0
	northwest					9 <b>-</b> 5/8		
294	do.	Mrs. Ruby S.	do.	1908	272			2.5
		Babcock				9 <b>-</b> 5/8	-	
295	3 miles	E. F. Earl	Layne-Texas	1909	234		234	0
	northwest		Co.			9-5/8		
						,		
200	nl	Joe Viteria	717	1000	290			•5
చకర	2½ miles northwest	106 ATCGLTA	Wm. Thomas	1908	290			• 5
907	2층 miles	H. P. Stockton		1908	280	9 <b>-</b> 5/8		1.0
297	1 10	n. P. blockton	do.	1908	250			1.0
200	north	Mrs. C. A. Viard	do.	1926	310	9-5/8	<u> </u>	2.0
290	north	Mrs. O. A. Waru	40.	1960	210	24, 10		2.0
200	la miles	Walter Garrett	do.	1910	180	26,		
2,33	northeast	j.	40•	1910	700	9-5/8		
300	l를 miles	Cassidy	do.	1916	304			1.0
500	east	Cassidy	40•	1310	304	9-5/8		1.0
301		John Chromcak	do.	1915	310			2.0
001	northeast	1	40.	TOTO	1 270	9-5/8		~•0
302	2½ miles	D. Dornan	do.	1919	300			2.5
300	northeast	D. DOLLIGE	40*	すりての	500.	9-5/8		h.*U
303	44 miles	Ben Liska	do.	1915	300		<del> </del>	
505	northeast	חפון הזפעם	40.	エフエジ	500.	9-5/8		
504	44 miles	Adolf	Thomas & Payne	1912	330		ļ	3.0
504	east	Schoeneberg	THOMAS OF LAYING	2.02.0	i 000	9-5/8		
	0000	Detroottenerg				J-0/0	<b>!</b>	
	<u> </u>	<u> </u>						

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.

	Water	r level	Method	1			1
No.		Date of		Estimated	Use	Land	Remarks
1.0	1	measure-		yield	of	irri-	Tio lat kb
į	measu		1	1	water	gated	
,	ing po		1939	   / д• Б•ш• 1	1939	1939	
ļ	(ft.)	JINO	a/		i .	(acres)	 
200	(100)			<u> </u>	b/ N		Reported, in 1940, no irrigation
			I,G, 25			bee	since 1325.
290		Page 4-19	-,Tr, 60		N		Reported, in 1940, no irrigation since 1935.
291			T,G, 35	730 <u>c</u> /	Ī	117	
	arresad (alei	r level	Method				
No.		Date of	ì	Estimated	   Use	Land	
		measure-		yield	of	irri-	
i	measu		power	} . ~	water	gated	
	ing po		1939	(2. D. m.)	11939	1939	
	(ft.)		<u>a</u> /		b/	(acres)	
202	110.7		T,G,		<del> </del>	179	Casing: 60 feet of [4-inch.
			60		.3-	1/9	-
293	34,61	June 12,	Τ,-,		N		Casing: 65 feet of 24-inch.
		1940			<u> </u>	<u> </u>	Reported, in 1340, no irrigation
294	34.71	do∙	T,Tr, 30		S		Casing: 60 feet of since 1932. 24-inch. Formerly used for irri-
295	22.33	Feb. 12,			N		Casing: 50 feet of gation
		1909					24-inch. Screens set at 102 to
		1000					130, 137 to 174 and 213 to 232
							feet. Formerly used for irriga-
296	31.01	June 12,			N		Casing: 55 feet of 24- tion
~ 00	016/1	1940			1 1		inch. Formerly used for irriga-
207	31 64	do.	T,-,	!	<u> </u>	63	Casing: 60 feet of 24- tion
201	DI CH	αο.	· , · · ,		+	00	inch.
298	32.58	do.	T,G,		N		Casing: 65 feet of 24-inch.
27 (7.)	02.00	40.	60		1		Formerly used for irrigation.
299			C,W		l S		Casing: 40 feet of 26-inch.
200			, ,	T		i 	Formerly used for irrigation.
300	32,23	June 12,	Τ,		N		Casing: 60 feet of 24-inch.
0,0	0200	1940	-,		1 1		Reported, in 1940, no irrigation
301	32.22	do.	Τ,-		<del>                                     </del>	136	since 1930
001	مد٠م٥	401	] -,-	•	+	100	L_B1100 1350
302	33.99	do.	T,-		I		Casing: 65 feet of 24-inch.
				***************************************	į		Formerly used for irrigation.
303			T,-		N		Casing: 68 feet of 24-inch.
•			<b>1</b>			İ	Formerly used for irrigation.
304	54.45	June 12,	T,0,		N		Casing: 60 feet of 24-inch.
		1940	125	•			Reported, in 1940, no irrigation
			1 0	Ì	1		since 1930.
	<u>ار</u>	neasured	. 3040	<del></del>	<u> </u>	<u> </u>	1 OTTION TOOM

c/ Yheld measured in 1940.
d/ Water level reported by owner or driller.
e/ Log of well in tables of drillers' logs.

		Records of wel	ls in Wharton Co	ounty-	Cont	inued		
~ell	Distance from Danevang	Owner	Driller	Date com-	Depth of well (ft.)	Diam- eter of	Depth to which well is cased	Height of measuring point above ground
				, 00a	1,100,	(in.)	(ft.)	(ft.)
305	5 miles north	Chas. Bacak	Otto Mickelson	1927	71	26,	71	0
306	5 miles north	C. Swanson	Shult & Mickəlson	1918	70	24, 13	70	2.5
307	$4\frac{1}{2}$ miles north	Louis Bacak	Otto Mickelson	1909	140	26, 9 <b>-</b> 5/8		0
308	do.	Frank Olson	Sam Shult	01d	200	24, 9 <b>-</b> 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 <b>-</b> 5/8		0
311	4 miles north	C. Swanson	do•	1910	95			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	andre square
314		Otto Mickelson	do.	1939	408		407	-
315	2½ miles north	Mrs. E. H. Koch	₫o∙	1918	348	24, 10	348	4.0
₩ell	Distance from El Campo	Owner	Driller	com-	Depth of well (ft.)	eter of	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 <b>-</b> 5/8		
317	2½ miles west	C. Swanson	do.	1911	345	24, 9 <b>-</b> 5/8		
318	4 miles west	John V. Mazoch	Pat Smidt	1918	260	24, 9 <b>-</b> 5/8		
319	$3\frac{1}{4}$ miles west	Gerell Est.	Otto Mickelson	1907	220	24, 9-5/8		
320		Gadeke Est.	Layne-Bowler.	1908		24, 9-5/8		
321	6½ miles northwest	Eugene Writz				24, 9 <b>-</b> 5/8		0.5
- / m +	0.0	A		. 01 . 6	v	•	73 - 1	

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.

	Wate	r level	Method				
No.		Date of		Estimated	Use	Land	Remar <b>k</b> s
		measure-	1	yield	of	irri-	
	measu	r- ment	power	(g.p.m.)	water	gated	
	ing p	oint	1939			1939	
	(ft.)		<u>a</u> /			(acres)	
305	17.55	June 4,	T,G,		N		Casing: 27 feet of 26-inch.
		1940	25				Screen set at 33 to 71 feet.
							Formerly used for irrigation.
306	21.25	do.	Т,-		N		Casing: 30 feet of 24-inch.
		•					Screen set at 50 to 70 feet.
700	30.00		-		77		Formerly used for irrigation.
307	19.60	do.	T,		N		Casing: 40 feet of 24-inch.
308						107	Reported, in 1940, no irrigation
508			T,G, 32		I	103	Casing: 45 feet since 1934.
309			T,G,		I	110	of 24-inch. Casing: 69 feet of 24-inch.
509		<b></b>	40		1	110	basing: 59 lest of 24-inch.
310	17.87	1	T,G,	4	N		Casing: 40 feet of 24-inch. Re-
		1940	45				ported, in 1940, no irrigation
311	18.93	do.	Т,	ana 1000	N		Casing: 40 feat of since 1937.
710	70.35	3 -	175		3.7	ļ	24-inch. Reported, in 1940, no
312	30.13	do.	T,-		N		Casing: irrigation since 1934.
							49 feet of 24-inch. Reported, in
313		<del> </del>	Tr C		Ī		1940, no irrigation since 1936.
SIS			T,G, 35		1	80	Casing: 35 feet of 24-inch. Screen set at 35 to 65 feet.
314	20 d/	May 30,	T,0,	1,600	I	169	Casing: 60 feet of 24-inch.
OI <del>I</del>	100 H	1940	60	1,000	Τ.	103	Screens set at 60 to 103, 124 to
	ł	1740	1 00 .		ł	1	Screens set at 60 00 100, Int 00
	ŧ	İ				1	134 161 to 169 195 to 210 240
							134, 161 to 169, 195 to 210, 240
315	25.70	June 5.	Т		N		to 230, 315 to 342 and 374 to 407
315	25.70	June 5,	T,-,		N		to 230, 315 to 342 and 374 to 407 Casing: 50 feet of feet. e/
315	25.70		T,-,		И		to 230, 315 to 342 and 374 to 407
315	25.70		T,-,		N		to 230, 315 to 342 and 374 to 407 Casing: 50 feet of feet. e/24-inch. Screens set at 78 to 98,
315	25.70		T,-,		N		to 230, 315 to 342 and 374 to 407 Casing: 50 feet of feet. g/ 24-inch. Screens set at 78 to 98, 248 to 273 and 303 to 348 feet.
315		1940			N		to 230, 315 to 342 and 374 to 407  Casing: 50 feet of feet. g/ 24-inch. Screens set at 78 to 98, 248 to 273 and 303 to 348 feet.  Reported in 1940, no irrigation
	Wate: Depth	r level	 Method	 Estimated		Land	to 230, 315 to 342 and 374 to 407  Casing: 50 feet of feet. g/ 24-inch. Screens set at 78 to 98, 248 to 273 and 303 to 348 feet.  Reported in 1940, no irrigation
	Wate: Depth	1940 r level	 Method	 Estimated yield		Land	to 230, 315 to 342 and 374 to 407 Casing: 50 feet of feet. g/ 24-inch. Screens set at 78 to 98, 248 to 273 and 303 to 348 feet. Reported in 1940, no irrigation since 1938.
	Wate: Depth below measu:	r level Date of measure- r- ment	Method of lift and power	1	Use of water	irri- gated	to 230, 315 to 342 and 374 to 407 Casing: 50 feet of feet. g/ 24-inch. Screens set at 78 to 98, 248 to 273 and 303 to 348 feet. Reported in 1940, no irrigation since 1938.
	Wate: Depth below measu: ing p	r level Date of measure- r- ment	Method of lift and power 1939	yield	Use of water 1939	irri- gated 1939	to 230, 315 to 342 and 374 to 407 Casing: 50 feet of feet. g/ 24-inch. Screens set at 78 to 98, 248 to 273 and 303 to 348 feet. Reported in 1940, no irrigation since 1938.
No.	Wate: Depth below measu: ing po (ft.)	r level Date cf measure- r- ment	Method of lift and power 1939	yield	Use of water 1939 <u>h</u> /	irri- gated	to 230, 315 to 342 and 374 to 407 Casing: 50 feet of feet. g/ 24-inch. Screens set at 78 to 98, 248 to 273 and 303 to 348 feet. Reported in 1940, no irrigation since 1938.  Remarks
No.	Wate: Depth below measu: ing po (ft.)	r level Date of measure- r- ment oint Apr,	Method of lift and power 1939	yield	Use of water 1939	irri- gated 1939	to 230, 315 to 342 and 374 to 407 Casing: 50 feet of feet. g/ 24-inch. Screens set at 78 to 98, 248 to 273 and 303 to 348 feet. Reported in 1940, no irrigation since 1938.  Remarks  Casing: 42 feet of 26-inch. Re-
No.	Wate Depth below measuring profit.) 30 d/	r level Date of measure- r- ment oint Apr, 1940	Method of lift and power 1939 a/ C,E,	yield	Use of water 1939 <u>h</u> / D,S	irri- gated 1939 (acres)	to 230, 315 to 342 and 374 to 407 Casing: 50 feet of feet. g/ 24-inch. Screens set at 78 to 98, 248 to 273 and 303 to 348 feet. Reported in 1940, no irrigation since 1938.  Remarks  Casing: 42 feet of 26-inch. Reported, in 1940, no irrigation
No.	Wate: Depth below measu: ing po (ft.)	r level Date of measure- r- ment oint Apr,	Method of lift and power 1939	yield	Use of water 1939 <u>h</u> /	irri- gated 1939 (acres)	to 230, 315 to 342 and 374 to 407 Casing: 50 feet of feet. g/ 24-inch. Screens set at 78 to 98, 248 to 273 and 303 to 348 feet. Reported in 1940, no irrigation since 1938.  Remarks  Casing: 42 feet of 26-inch. Reported, in 1940, no irrigation Casing: 60 feet of since 1927.
No. 316	Wate: Depth below measu: ing pi (ft.) 30 d/	r level Date cf measure- r- ment oint Apr, 1940	Method of lift and power 1939 a/ C,E,	yield (g.p.m.)	Use of water 1939 <u>b/</u> D,S	irri- gated 1939 (acres) 175	to 230, 315 to 342 and 374 to 407 Casing: 50 feet of feet. g/ 24-inch. Screens set at 78 to 98, 248 to 273 and 303 to 348 feet. Reported in 1940, no irrigation since 1938.  Remarks  Casing: 42 feet of 26-inch. Reported, in 1940, no irrigation
No.	Wate Depth below measuring profit.) 30 d/	r level Date of measure- r- ment oint Apr, 1940	Method of lift and power 1939 a/ C.E, T,-	yield (g.p.m.)	Use of water 1939 <u>h</u> / D,S	irri- gated 1939 (acres)	to 230, 315 to 342 and 374 to 407 Casing: 50 feet of feet. g/ 24-inch. Screens set at 78 to 98, 248 to 273 and 303 to 348 feet. Reported in 1940, no irrigation since 1938.  Remarks  Casing: 42 feet of 26-inch. Reported, in 1940, no irrigation Casing: 60 feet of since 1927.
No. 316	Wate: Depth below measu: ing pi (ft.) 30 d/	r level Date cf measure- r- ment oint Apr, 1940	Method of lift and power 1939 a/ C,E,	yield (g.p.m.)	Use of water 1939 <u>b/</u> D,S	irri- gated 1939 (acres) 175	to 230, 315 to 342 and 374 to 407 Casing: 50 feet of feet. g/ 24-inch. Screens set at 78 to 98, 248 to 273 and 303 to 348 feet. Reported in 1940, no irrigation since 1938.  Remarks  Casing: 42 feet of 26-inch. Reported, in 1940, no irrigation Casing: 60 feet of since 1927.
No.  316  317  318  319	Wate Depth below measu ing p (ft.) 30 d/	r level Date of measure- r- ment oint Apr, 1940	Method of lift and power 1939 a/ C,E, T,- T,G, 35	yield (g.p.m.)	Use of water 1939 <u>h/</u> D,S	irri- gated 1939 (acres) 175 85	to 230, 315 to 342 and 374 to 407 Casing: 50 feet of feet. g/ 24-inch. Screens set at 78 to 98, 248 to 273 and 303 to 348 feet. Reported in 1940, no irrigation since 1938.  Remarks  Casing: 42 feet of 26-inch. Reported in 1940, no irrigation Casing: 60 feet of since 1927. 24-inch.
No. 316 317 318	Wate: Depth below measu: ing pe (ft.) 30 d/	r level Date of measure- r- ment oint Apr, 1940	Method of lift and power 1939 a/ C,E, T,- T,G, 35 T,-	yield (g.p.m.)	Use of water 1939 <u>h/</u> D,S	irri- gated 1939 (acres)  175	to 230, 315 to 342 and 374 to 407 Casing: 50 feet of feet. g/ 24-inch. Screens set at 78 to 98, 248 to 273 and 303 to 348 feet. Reported in 1940, no irrigation since 1938.  Remarks  Casing: 42 feet of 26-inch. Reported in 1940, no irrigation Casing: 60 feet of since 1927. 24-inch.
No.  316 317 318 319 320	Wate Depth below measu ing p (ft.) 30 d/	r level Date of measure- r- ment oint Apr, 1940	Method of lift and power 1939 a/ C.E, T,- T,G, 35 T,-  T,G, 48	yield (g.p.m.)  567 c/  653	Use of water 1939 b/ D,S I I	irri- gated 1939 (acres) 175 85 66	to 230, 315 to 342 and 374 to 407 Casing: 50 feet of feet. g/ 24-inch. Screens set at 78 to 98, 248 to 273 and 303 to 348 feet. Reported in 1940, no irrigation since 1938.  Remarks  Casing: 42 feet of 26-inch. Reported, in 1940, no irrigation Casing: 60 feet of since 1927. 24-inch.  Casing: 30 feet of 34-inch.
No.  316 317 318 319 320	Wate Depth below measu ing p (ft.) 30 d/	r level Date of measure- r- ment oint Apr, 1940	Method of lift and power 1939 a/ C,E, T,- T,G, 35 T,-	yield (g.p.m.)	Use of water 1939 <u>h/</u> D,S	irri- gated 1939 (acres) 175 85	to 230, 315 to 342 and 374 to 407 Casing: 50 feet of feet. g/ 24-inch. Screens set at 78 to 98, 248 to 273 and 303 to 348 feet. Reported in 1940, no irrigation since 1938.  Remarks  Casing: 42 feet of 26-inch. Reported in 1940, no irrigation Casing: 60 feet of since 1927. 24-inch.

<sup>2/</sup> Yield measured in 1940.

1/ Water level reported by owner or driller.

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

Table of Drillers' logs, Tharton County, Texas

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Sand						
Rock nd white cl y -         9         00         Gumbo-         52         758           Send and gravel -         65         143         Gumbo-         10         26         784           Ol, y -         -         -         65         143         3and and boulders-         36         820           Rock and boulders-         -         4         166         8 nd -         -         7         850           Rock and boulders-         -         15         181         Grubo, strouks hard         8 nd -         -         7         850           Burf ce soil -         -         15         75         3and -         -         10         66           Surf ce soil -         -         15         75         3and -         -         10         260           Sund and gravel -         91         104         3and -         -         10         260           Sund and gravel -         91         104         3and -         -         20         3e           Sund -         -         14         11         3and -         -         20         3e           Sund -         -         14         11         3and -         -	Clay	<b>-</b> 59	59	Sand and gravel boulders-		
Sand and gravel 60	Sand	- 12	71	Sand and boulders	36	i e
Send and boulders	Rock and white of y	- 9	.0	Gimbo	52	75€
Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   Oliver   O	Sand and aravel -	- 65	145	Gumbo, lime and sand -	భ6	784
Sund and gravel -   13			149	Sand and boulders	36	೭೭೦
Rick and boulders	Rock	- 4	lö"	Pink gumbo	25	843
Rock and boulders	Sand and ravel -	- 13	166	S nd	7	850
Total DE:TH   10   3umbo   40   900	Rock and brulders-	- 15	181	Grmbo, stracks hard		
Total DESTH   10   3   3   3   3   3   3   3   3   3	Rock and boulders-	er ++**	1:1		10	£60
Send		-	1/ 1	Gumbo	40	300
109     3urf.ce scil   13   15   3nd   17   946   3nd   30   966   3nd and gravel   91   104   3urb   116   3urb     16   987   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     16   1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb     1020   3urb   -	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t			Sand	29	929
Surf. ce scil 15         75         Sand 30         966           S nd and gravel 91         104         Sandy lime nd         - 16         987           Sand 10         125         Sand 16         987         1004         - 16         987           Sand 22         1004         Jumbo 16         1020         - 16         1020         - 16         1020         - 16         1020         - 16         1020         - 16         1020         - 16         1020         - 16         1020         - 16         1020         - 16         1020         - 16         1020         - 16         1020         - 16         1020         - 16         1020         - 16         1020         - 16         1020         - 16         1020         - 16         1020         - 16         1020         - 16         1020         - 16         1020         - 1097         - 1097         - 1097         - 1097         - 1097         - 100         - 100         - 100         - 100         - 100         - 100         - 100         - 100         - 100         - 100         - 100         - 100         - 100         - 100         - 100         - 100         - 100         - 100         - 100         - 100<	109			1	17	946
Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Sign	randonistica and the second	- 15	1 55		20	966
Clry 14			1	i i		
Sand	_		1	· F	16	385
Clty 60         DE Sand 16         1020           Sand 14         281         Gumbo nd lime - 77         1097           Clty 15         235         Blue unbo E 1105         1105           S nd 7         242         Brown gimbo 40         1145           Clty 64         1209         Frd sand 29         1235           Clay 11         311         Gumbo 24         1262           Sind and gravel - 11         362         Sandy shale 19         1281           Rock 2         324         Total Darth 4050         1281           Sind 30         504         Clty 34         24           Rock 66         400         Sand 92         116           Sind 66         400         Shile 66         182           Clty 5         410         Shile 66         182           Clty 6         400         Shile 66         182           Clty 6         400         Shile 66         182           Clty 6         400         Shile 66         182           Clty 6         400         Shile 66         182			1	1		3
Send			1	1		ì
Clay	•		1	1 3		₹
S nd			1	. 7		1
Cl.y 60       282       Grmbo 64       1209         Sind 16       300       Hird sand 29       1238         Clay 11       311       Jumbo 24       1262         Sind and Gravel 11       382       Sandy shale 19       1281         Rock 2       324       Total Dirth 4050         Sind and gravel 13       357       Total Dirth 24       24         Clay 18       355       118       Total Dirth 24       24         Rock 6       400       Sand 32       116       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36       36 <td>=</td> <td></td> <td>1</td> <td>· 1</td> <td></td> <td><u> </u></td>	=		1	· 1		<u> </u>
Sund			1	: (		I
Clay 11       311       Gumbo 24       1262         Sind and Gravel 11       382       Sandy shale 19       1281         Rock 2       324       ToTal DEPTH 24       4050         Sind and gravel - 13       357       ToTal DEPTH 24       4050         Sind 18       355       118       ToTal DEPTH 24       24         Rock 6       400       Sand 24       24         Rock 6       400       Sand 32       116         Sind 5       410       Sand 32       214         ToTal DEPTH 4       216				5 5		F
Sind and Gravel 11       382       Sandy shale 19       1281         Rock 2       324       Total Dirth 19       1281         Sind and gravel 13       357       Total Dirth 19       4050         Sind and gravel 13       357       Total Dirth 19       1281         Sind and gravel 13       357       Total Dirth 19       1281         Sind 18       357       Total Dirth 19       1281         Clay 18       357       Total Dirth 19       1281         Sind 18       355       Total Dirth 19       1281         Clay			1	1 4		•
Rock 2       324       Total Depth 4050         Sond and gravel 13       357         Clay 18       355       118         Sund 30       504       Clay 24       24         Rock 6       400       Sand 92       116         Sund 66       152         Clay 5       410       Sand 32       214         TOTAL DEPTH 4       216				I i		*
Schd and gravel 10     357       Clay 18     355       Sund 50     504       Rock 6     400       Sand 92     116       Sind 66     152       Clay 66     152       Clay 4     214       TOTAL DEPTH 415     Shale 4			1	1 i ~	J. 0	
Clay 18     355     118       S_nd 50     504     Clay 34     24       Rock 6     400     Sand 92     116       3 nd 8     400     Shele 66     188       Clay 5     410     Sand 32     214       TOTAL DEPTH 4     218			t	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		
Sund 6     504     Clay 24     24       Rock 6     400     Sand 92     116       Sind 8     400     Shale 66     182       Clay 5     410     Sand 32     214       TOTAL DEPTH 4     216	_		1	1118		
Rock 6     400     Sand 92     116       Sind 6     400     Shale 66     152       Cisy 5     410     Sand 32     214       TOTAL DEPTH 4     216					24	1 24
Sind						1
Cisy 5 410 Sand 32 214  TOTAL DEPTH 410 Shele 4 218			i	1 i		ľ
TOTAL DEPTH 412   Shule 4 218	All the second		1	1 1		i
	5	<del>-</del> 5	•			
11 POT. ( DRIPPE 218	IUIAL DEFIN	stati paki erfeqesiyanan saliferiya isabi. Pri izi isi etermindi a		TOTAL DEPTH	<del>fala</del>	218

Special or self-systematic concentration as include the sensions			مصبحت		**************************************	
			ickness			Depth
			(feet)	(reet)	(feet)	( <u>feet)</u>
<u>182</u>					127	
Surface	-	_	46	46	Surface 25	23
	***		35	69	Sand 52	81
Shile		****	179	248	Shale 156	237
5and			7.0	278	Sand 10	247
Sand nd rave		_	36	114	Shale 12	
					i 1	259
Turt necht -	~	-		514	0 4110	301
					Shale 2	303
123					TUTAL DELTH	303
Surface			24	734		
Shale			87	114	1 <u>:</u> 8	
Sand		**	22	158	Surface sond and clay- 35	35
Shale	~		105	236	Sticky shale C2	117
Sand			14	250	Sand and gr vel, water- 45	162
Shale	_		14	264 264		162
		_		1	TOTAL DEATH	
Sand			38	302		
TUT I DENTE -				303	139	
					Surface soil 6	6
124					Coarse sand 20	26
wurface			10	10	Clay 5	29
Sand			55	65	Coarse sind 18	47
≥hale		***	5	70	Clay 4	51
Sand			32	102		119
				3		
Sindy shile -			78	14()	Clay 34	153
Shale			έl	181	Gravel 30	185
Sana		-	9	190	Clay 20	203
Snole	_		113	505	Gravel 10	213
Sondy shale -	-		3	312	Gravel .nd s nd 40	253
Shale			185	495	Clay, streak sand 51	504
Sand and prave			<b>3</b> 5	520	Rock 2	306
IJT.I DE-TH -		-	CO	520	Sund, streak rock 105	411
			~	- 0,20	11 '	
7 A.F					Rock 2	413
<u>125</u>					Sand 6	419
Clay	-	***	<b>4</b> 5	i	Rock 1	420
알and	· <del>••</del>		27	70		423
Shale	_		50	130	Rock 2	425
Sand and shale	_		10	130	Sand, layers rock 191	616
Sand	_		12	152	Hard jumiy shale 10	626
Shale			185	7.35	Hard shale 10	636
	-	_	46	i ·	1 k	
		-		381	Sand rock 5	639
	_	-	4	585	Sand 25	664
TOTAL LEFTH -	,			J85	Rock 2	666
					Shale-	704
126					Send 6	710
<del>Clay</del>	_	-	6	6	Rock 2	712
Send	_	_	14	30	Sand 20	732
Shale	_	_	43	65	Hard shale 15	747
				•	1 1	
Sticky shale -			69	152	Rock 2	749
Sand	-		14	146	Sand 25	774
Shale	-	-	95	241	Hard shale 10	784
Sand	_		24	265	Sand 25	807
Shale ·			2	267	Rock 5	81.0
TOTAL DAITH -		**		267	(Continued on next lage)	
appropries to the Affre Mark 9 count is a					11 (1000)	

	m1 . * . 1	T. The second		m1 * 1.	[ T
	Thickness			Thickness	Depth
	(feet)	(feet)		(feet)	(feet)
139Continued			740 0 0		
	7.0	1 200	148Continued	,	
Sand	- 10	820 826	Shale	<b>-</b> 35	964
Rock Hard shale	- 6 - 20	846	Hard sand	<b>-</b> 20	984
Sand	<b>-</b> 20	861	Sand; water	<b>-</b> 26	1010
Gumbo	<b>-</b> 20	881	Shale	- 10	1020
Sand	- 38	919	Blue gumbo	- 25	1045
Hard shale	<b>-</b> 12	931	Sand and boulders-	<b>-</b> 38	1083
Sand	<b>-</b> 59	989	Gumbo	<b>-</b> 25	1118
Hard shale	<b>-</b> 27	1016	Brown shale	<b>-</b> 30	1148
Sand	<b>-</b> 49	1065	1 1		1
Gumbo	<b>-</b> 33	1098	Sand; water	- 22	1170
TOTAL DEPTH	<b>-</b>	1098	Gumbo	<b>-</b> 18	1188
			TOTAL DEPTH	•	1188
147			149		-
<u>Clay</u>	<del>-</del> 30	30	Soil and clay	<b>-</b> 8	ı 8
Sand	- 109	139		- 0	0
Shale	- 34	173	Fine-grained, soft	0.5	20
Sand	<b>-</b> 41	214	sand	- 20	28
Shale TOTAL DEPTH	<b>-</b> 2	216 216	Clay	- 6	34
TOTALI DEFIL		O.4.G	Sand	- 17	51
148			Clay and gravel -	<b>-</b> 13	64
Surface soil	- 8	8	Clay	<b>-</b> 6	70
Sand	- 2Ž	30	Coarse-grained sand		
Sand; water	- 10	40	and gravel	<b>-</b> 12	82
Red sand	<b>-</b> 50	90	Clay	<del>-</del> 3	85
Yellow clay	<b>-</b> 30	120	Packed sand	<b>-</b> 4	89
Sand	- 10	130	Clay and rock -	- 61	150
Yellow clay	<del>-</del> 20	150	TOTAL DEPTH	- OT	
Sand; water	<b>-</b> 30	180	TOTAL DEPTH	<del>-</del>	150
Clay	- 10	190	1 7 50		
Sand	- 14	204	152		_
Packed sand	<b>-</b> 16	220	Soil	<b>-</b> 5	5
Gumbo	<b>-</b> 14	234	Sand	<b>-</b> 35	40
Sand; water	<b>-</b> 30	264	Clay	- 14	5 <b>4</b>
Gumbo	<b>-</b> 66	330	Sand and gravel -	- 7	61
Sand and boulders-	<b>-</b> 50 <b>-</b> 59	380 439	Gravel with lenses o	f	
Gumbo and boulders Sand and boulders-	- 59 - 21	459 460	clay	- 21	82
Hard rock	- 3	463	Gravel	- 20	102
Sand rock	- 6	469	Clay and gravel -	<b>-</b> 34	136
Sand and boulders-	<b>-</b> 132	601	Gravel	<b>-</b> 42	178
Hard rock	<del></del> 5	606	Rock	- ±2 - 2	180
Sand and boulders-	<b>-</b> 18	624	Sand	i	
Gumbo	<b>-</b> 6	630	1	<b>-</b> 5	185
Packed sand	<b>-</b> 25	655	Hard pan	- 12	197
Gumbo	- 22	677	TOTAL DEPTH	-	197
Sand and boulders-	- 20 - 10	697 707			
Packed sand	- TO	101	153		
Sand, shale and boulders	<b>-</b> 15	722	Soil	- 6	6
Gumbo	- 12	734	Red clay	- 40	46
Sand and boulders-	20	754	Fine-grained sand		
Gumbo	- 27	781	to heavy gravel-	- 49	95
Sand and boulders-	<b>-</b> 40	821	Yellow clay	- 13	108
Gumbo	- ±0 - 31	852	Sand and gravel -	- 30	
	<b>-</b> 24	876		- 30 1	138
Sand and gravel -	1	1	TOTAL DEPTH		138
Gumbo	5	881	7.50		
Shale	- 10	891	158		
Sand rock	- 6	897	Soil and clay -	- 16	16
Sandy shale	- 20	917	(Continued on		
Gumb-q	- 12	929	1	b~80)	

Table of Drillers' Logs, Thurton County --Continued

Section   Continued   Section   Continued   Section   Continued   Section   Collay   Section   Collay   Section   Section   Section   Collay   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   S	10 50 60 70 102 144 149 169 183 191 208 230 251 273 297 311
Send	10 50 60 70 102 144 149 169 183 191 208 230 251 273 297
Sand	50 60 70 102 144 149 169 183 191 208 230 251 273 297
Sand	50 60 70 102 144 149 169 183 191 208 230 251 273 297
Clay -	60 70 102 144 149 169 183 191 208 230 251 273 297
Sand 9 61 Clay 10 Clay 10 Clay 15 74 Sand 10 Sand 25 99 Clay 52 Clay 52 Clay 55 Sand 42 Sand 42 Sand 19 196 Sand 20 Sand 22 21 Clay 13 21 Sand 20 Clay 15 Sand 21 Sand 15 246 Clay 17 Shale 6 252 Gravel Atholay Sand 19 271 Sand 17 Shale 6 252 Gravel Atholay Sand 21 Sand 22 Sand 22 Sand 19 271 Sand 21 Sand 21 Sand 22 Sand 22 Sand 22 Sand 36 Sand 22 Sand 36 Sand 22 Sand 22 Sand 36 Sand 36 Sand Sand 36 Sand Sand 36 Sand Sand 30 Sand Sand 30 Sand Sand 30 Sand Sand 30 Sand Sand 30 Sand Sand 30 Sand Sand 30 Sand Sand Sand 30 Sand Sand 30 Sand Sand Sand 30 Sand Sand 30 Sand Sand Sand 30 Sand Sand 10 Sand Sand Sand 10 Sand Sand Sand 10 Sand Sand Sand	70 102 144 149 169 183 191 208 230 251 273 297
Clay -	102 144 149 169 183 191 208 230 251 273 297
Clay -	144 149 169 183 191 208 230 251 273 297
Sand 64	149 169 183 191 208 230 251 273 297
Shile 19 196   Sand 20   Sand 20   Sand 22   218   Clay 14   Clay 14   Sand 8   Sand 8   Sand 8   Sand 8   Sand 8   Sand 8   Sand 8   Sand 8   Sand 8   Sand 8   Sand 8   Sand 22   Clay 6   277   Sand 6   277   Gravel with clay   Streaks 22   Gravel with clay   Streaks 22   Gravel 22   Gravel	169 183 191 208 230 251 273 297
Sand -	183 191 208 230 251 273 297
Cl.y -	191 208 230 251 273 297
Sand	208 230 251 273 297
Shale-       -       -       6       252       Gravel with clay         Stand -       -       -       6       277       Gravel -       -       22         Clay -       -       -       6       277       Gravel -       -       21         Sand -       -       -       6       277       Gravel -       -       22         "H rd pun" -       -       -       36       512       Gravel -       -       22         "H rd pun" -       -       -       36       512       Gravel -       -       24         TOTAL DEPTH -       -       -       312       Gravel -       -       14       Gravel -       -       14       Gravel -       -       -       36       Gravel -       -       -       36       Gravel -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -<	230 251 273 297
Sand	251 273 297
Clay 6	251 273 297
Sand	273 297
"H rd pum"	297
TOTAL DEFTH 14    165	
TOTAL DEFTH 14    Gravel 10	2.1.1
TOTAL DEPTE	
Soil	347
Clay 26	<u> 547</u>
Sand	
Gravel 11 77 Sandy clsy 9 Clay 19 96 Clay 16 Gravel 49 145 Red sand 21 Clay 32 177 Chocolate-colored clsy- 31 Gravel 105 280 Course-grained sand:  TOTAL LE-TH 280 water 70 Clsy 76 198 Soil and clsy 10 10 Sand and gravel 15 Sand 29 59 Gravel 27	
Clay 19       96       Clay 16         Gravel 49       145       Red sand 21         Clay 32       177       Chocolate-colored clay- 21         Gravel 105       280       Course-grained sand:         TOTAL LE-TH 280       water 70         Clay 76       Clay 76         Fine-grained sand - 8       Fine-grained sand - 8         Soil and clay 10       10       Sand and gravel 15         Sand 29       79       Gravel 27	1
Gravel 49 145 Red sand 21 Cluy 32 177 Chocolate-colored cluy- E1 Gravel 105 280 Course-(reined send:  TOTAL LE-TH 280 water 70 Cluy 76 I98 Soil and cluy 10 10 Sand and (ravel 15 Sand 29 59 Gravel 27	10
Clay 32       177       Chocolate-colored clay- 31         Gravel 105       280       Course-grained sand:         TOTAL LEFTH 280       water 70         Clay 76       Fine-grained sand- 8         Soil and clay 10       10       Sand and gravel 15         Sand 29       39       Gravel 27	26
Gravel 105 280 Coarse-grained sand:  TOTAL LE-TH 280 water 70  Clay 76  Fine-grained sand - 8  Soil and clay 10 10 Sand and gravel 15  Sand 29 59 Gravel 27	49
TOTAL LE-TH   280   Water 70	03
Cluy 76   Fine-grained sand 8   Soil and cluy 10   10   Sand and gravel 15   Sand 29   59   Gravel 27	
198   Fine-grained sand 8	150
Soil and clay 10   10   Sand and cravel 15   Sand 29   59   Gravel 27	326
Sand 29 39 Gravel 27	254
	43ع
Clicar = A5 + QA + Dink comba	276
Clay 45 84 Pink Sumbo 14	290
Sand 16 100   Sandy lime 14	304
Clay 6	310
Sand 4 109   Sandy gunbo and lime - 14	324
Oly 39   148   Gumbo and line 12   Sand 20   168   Packed sand 2	336
	339
Clay 27   195   Gumbo and line 15	354
Gr.vel 21 216   Soft Gumbo 9	363
Hird cluy 31 247 Sand 10 Gravel 31 27. Coarse-gr ined sand	375
	404
Clay 66 344 and erevel 31	404
Sand and gr.vel 66   410   Blue gumbo 21	425
TOTAL DEPTH 410   Sand and arevel 4	429
Sand 6	435
216 Sandy Junbo 7	442
Clay 25 25 Fine-arined sand;	
Fine-prained s.nd 20 43 water 7	4 4 0
Course-grained s nd - 46 E9 Hurd sand and line - 13	449
sendy clay 35 124   Sand, shale and lime - 18	462
Fel-sized gravel 4	462 480
10T.L Lu.TH 3	462

m dan ayang anakandangang applengipak dal A. A. A. A. A. A. A. A. A. A. A. A. A.	Chickness	[]osta	Thickness	Depth
	(feet)		4	(feet)
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250			344 Continued	
Eurice soil	1	1 1	Blue rumbo 30	506
Sindy clay	7	ا ر. ا	Fine-grained by sand- 22	528
Joint clay	12	20	Bunbo 22	550
Red wicksand		4	Fine- rained a no:	!
Chocol te-colored clay-		74	nter 30	780
Course-brunned sand and	3		Cymbo and shale 15	E 95
gravel; oter	27	27	Red cl y 12	407
Sand nd ravel	81	178	Blie gumbo 3	410
Clay	4	162	Fine-grained sand 4	414
Gumbo	18	200	Course-erained sand	1
Gumbo nd [rwel	27	827		421
Fine-grained sand;			Sh 10 4	425
octer	٤1	748	Puched some 12	4.77
Sand and gravel	1.2	260	Course-arcined sund	•
Gambo		286	nd ravel 35	470
Soft sindy gumbo	12	998	Guibo ind shalo 15	485
Fineruned stnd;			Gunbo and lime 19	i 502
water	15	113	Sand and boulders 5	507
Sandy shale and lime -	11	. 34	Sand and shale 12	519
2lue_:rbb	5	1229	Hard sand and boulders- 17	536
GUMDO	14	843	Gunbo nd lime 39	575
cana und grovel; wuter-	- 15	556	Sand rock 1	576
Sand ma gravel		572	Sand and boulders 1	€07
Gumbo		580	Sand and gravel 2	603
Gumbo and provel	4	7.54	Sand, gravel nd	·
Sandy smale and line -	2	386	shile 3	618
Fine-sr ined s na .nd			Sund and musty shale - 5	617
shale	-	7.94	Cumbo nd lime 26	643
Course-grained sund			Rock 1	544
ınd ruvel	25	413	Sandy in ale nd gumbo- 8	653
wand; water	12	:-1	Fine-r ned and:	į
Sand and provel	20	453	water A	657
Coarse - riined surd			Grabo na line 25	682
and gravel	57	430	Hard, blue sind 6	658
Gumbo and lime	40	550	Shall, shole no lime- 10	698
			Fine-grained state and	•
244			shell 11	709
Surfice soil	2	, 2	Gimpo and lime 13	782
Sandy clay	6	6	Sund and builders 9	731
Chocolate-colored cl.y-	- 1?	20	Sind and slide 9	740
Red sandy clay	-	25	Guibo na lime 23	765
Chocol te-colored cl.y.	41	64	Gembo and bouldars - 9	772
Pink cl_y	10	774	Gembo and lime 27	799
Sandy silt	4	76	Packed sind S	203
Course-gr ined sand;			Gunbo _na shale 14	816
.vater	: 8	100	Sand; acter 10	626
Course gravel and sand-	- GE	153	Herd shalo and a nd - 8	£34_
Blue clay	1	154		
Sand nd Jravel	·±,	177	<u>&lt;45</u>	
Touch clay	41	z18	Clay 49	1 49
Red sind and clay		25.3	Sand and cravel 123	172
Clay nd gravel	10	1143	Clay 59	251
reaked sand	′ 7	276	Soft sand 5	236
			(Continued in next (ce)	

Miles del proprieto de la desta del proprieto proprieto de la Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Salación de La Sala	777 1 2 2	T=	TOTAL	- I T
	Thickness		Thickn	
Before the A. A. B.	(i'əət) _	'(fc/t <u>)</u>	(fee	t) (feet)
245Continued		Į	255 Continued	
Hora, course-grained			Hord, Nicked sund - 12	
sand	- ,)	, 24.7	Rock and hard shale - 1	1 "
Sand na rvel -	- 30	ຳ ກາ	Sand nd rick 14	470
Gumbo		1 705	Lime rock 4	474
Sund and ravel -		-on	Send 9	460
Pucked and		236	lime rock 2	
	- 1.	±	Sand 13	l l
Fine-ruined s nd; war		362	Lime rock 1	1
Coarse-grained sand, g		1,77	1	1
		: 3		l l
Fine, picked sind.	-	1 76	Hard line 10	1
Courge grained soud			Sticky 11:20 18	
und unavel		3.5	Lime rock 5	534
Gunbo-		767	Lime with hard sticky	
<u>pandy shilo </u>	- 111 135	414	l_yers 14	548
	_		Like with sindy	
<u>249</u>			layers 19	567
Eurface	- 31	. 73	Shale and line 40	607
Shale		50	Sticky lime and	
Sand		56	undy breaks 42	649
Shula	_	54	Sundy lime nd hard	0 = 0
Broken s nd		75	1:yers 59	708
			Tryers - J	700
Sand and gravel -		25	J. C.	
Rock		0.5	<u>  258</u>	1 0
Sh le		87	Surface soil 2	,
Shale		- 7	Clωy ε	1
TOTAL DEATH		37	Sud 50	3
			Cicy 24	64
<u> 250</u>			Sindiand gravel 76	140
Surface	<u>-</u> 75	ı 35	Cl 7 64	204
Shile	- 1	56	Gr. vel 56	260
Sand and shale -		75	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	a section at the property of the
Gr.vel		67	254	
	<u> </u>			1 5
TOTAL LE TH				1
oce.			1 t = V	1
<u>255</u>	3		Sand and gravel 56	1
Surface soil	- 2	3	.Trite clay 27	1
Cl.y		1.2	Sand and gravel 40	
Eind with clay breaks		75	Rock 8	<u> </u>
Cluy	- 25	101	Clay nd gravel 10	
Eand and gravel -	- 113	234	TOTAL DEFTH	15%
Sh.le	15	237		
Sund	27	274	<u> 268</u>	
Shale	- 7	201	Clay 50	1 50
Sand	- 12	295	Sand 12	f
Shale	- 19	318	Clay 4	i
Sand	- 35	347	i	1
		) <del>/±</del> /	•	
Shale and hard layers		ri en c	Clay 10	t
of lime		C78	Sanā 42	1
Sand and ruck-	- 3	527	Cl_y 9	i i
Rock with hard and			Sand 12	
sticky layers of sam		<b>390</b>	$C1_y 52$	l l
bhale .nd rock -	- 28	420	Sand 41	224
Sand with breaks -	- 25	445	Clay 15	239
		·	(Continued on next rage	

-45Table of Drillers' Logs, Wharton County --Continued

		1						
American control much continued to the continues to descriptions and the state of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the continues of the conti	Thickness	Depth		ov "Mr., "e-esilys ujevendele.	erge er din ereknessein er er het erkke	Th	ickness	Desth
	(feet)	(feet)					(feet)	(feet)
266Continued			275Co	ntinue	d			
Sand	- 14	255	Clay -	-		_	16	155
Clay and rock	- 8	501	Sand -				27	188
Sand and rock	12	275	Clay -			-	5	187
HT95U LATCT		ສ75	TUTLI DE	rTH				187
<u> 269</u>		value de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la co	314					,
Soil and sand	- 19	19	Clay -				<b>!</b> ?	7
Fine-crained sand-	- 2	5.1	Sand -			~•	16	25
Red and white shale	- 35	4.5	Cluy -				6	29
Fine-grained sand -	<del>-</del> 8	54	Sand -		<del>-</del>		12.	43
Clay with rock -	- 20	77	C1-37 -				15	56
Fine-gruined sand-	- 27 <sub>-</sub>	10/	១១ថា –	- <b>-</b>	. <b></b>	_	50	106
Rock	5	1.05	CL.y -		- <del>-</del>	_	16	122
Medium-grained sand	- 51	136	Sand -			~	10	132
koek	- 2	156분	CLy -			-	27	159
Tough clay	- 1	138	Sand -			-	٤٠	167
Medium-erained s nd	- 6	144	Cluy -				34	191
Rock		144	Sand -			-	17	208
Medium-trained sand	<b>-</b> 20 <sup>-</sup> -	165	Clay -				12	220
Tough clay	- 6	171	Sand -			_	5٤	278
Sind with rock -	<b>-</b> 5२	232	Gumbo-		-		5.5	311
Clay with rock -	- 14	257	Sand -		<b>-</b>	***	28	339
Sand	- 15	252	Clay -				34	365
Clay with rock -	- 17	269	Send -		- <del></del>	~-	38	401
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			Gur.bo-				7	408
<u> 275</u>			TOTAL DE	c'Tri -				408_
boil and clay	- 27	27						
Sand	<b>-</b> 5	52						
Tough clay	- 20	58						
Hard pan	- 52	84						
Sand	- 22	106						
Clay	- 15	121						
Sand	- 18	139						

Results of field tests of samples collected in Wharton County, Texas, and tested in Feb., Mar., Apr., May and June  $193^{14}$ .

Parts per million

Well	Chlo-	Hard-	Bicar-	Wel	1 Chlo-	Hard-	Bicar-	Well	Chlo-	Hard-	Bicar-
No.	ride	ness	bonate	No.		ness	bonate	No.	ride	ness	bonate
2	914	190	192	96	100	250	-	162	2.750		
3 4	130	240	212	97	100	290	***	163	185	300	dengto
4	26	120	148	98		280		164	175	310	b=0
6	47	160	188	99	<b>1</b> 35	320	•	170	81	250	356
7	***	-		100	140	420		172	90	320	••
8	188	380	326	101		420		174	140	360	***
9	118	310	308	102		380	***	180	130	255	* 1000
12	230	390	326	103		280		181	78	240	344
13	50	200		104		470	~	182	120	320	
14	20	110		105		250	•	185	90	230	-
30	145	310	304	106	-	320		187	110	325	•••
33 34	152	300	310	107		360		183	280	425	-
34	50	5 <del>7</del> 0	•••	108		150	256	189	110	310	-
35	30	5дО	-	109		170	250	205	90	265	-
36	30 40	110 150		110		400 410	2.0	206	700	710	-
37	90		-	111 112				207	30	140	
50	90 60	390 340	-	113		525 490	-	208	80	295	***
51 52	340	550		114	160	395		210	220	360	-
57	30	490		115		245	_	211	110	300	~*
53 54 55 56	40	320	_	116		80	272	213 214	325 85	390 260	-
55 55	40	440	_	117		85		215	150	390	
56	40	350	_	130		320		230	120	410	
57	180	370		131	60	275	-	231	110	320	
70	40	160	•	132	70	240		232	640	520	
71		110	•••	134	135	270	<b>↔</b>	233	50	310	
72	30 60	220		135	50	230		234	190	350	***
	110	375		137	ξO	285	<b></b>	235	90	250	
73 74	180	325		<b>1</b> 38	70	265		236	50	420	
75	120	310		139	74	8 <u>5</u>	266	237	80	320	
9ó	30	320		140	143	21Ó	340	238	50	175	
91	140	345	-	141				239	ź5	26 <del>0</del>	
92	120	280	***	142	JπO	300		240	11Ó	410	
93 94	100	320		143		255	•••	5,45	120	150	
	110	460	***	144	5,110	525	•••	243	50	200	-
95	60	220		161	190	325	-		-		

## Analyses of water from wells in Tharton County, Texas

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

	! 	Depth		ate		Total	•	1	į
7ell	Oner	of	col	lect	ion	dissolved			Magnesiu
		well				solids	(Fe)	(Ca)	(Mg)
		(ft.)				(calc.)			1
1	Bob Ragsdale	1,5	Hay	27,	1940	•••		**	***
3	L. R. Sublett	175		do.		<del></del>		_	
4	Compercial State Bank	196	Aug.	2,	1934	165	2.05	<u>3</u> ٤	4.3
4	do.	196	llay	25,	1940	194			
_5_	L. R. Sublett	165	May	27,	1940				
7_	Mike Wright	202	June	7,	1940				
3	Lestor Glaze	200	12:7	28,	1940	601	-		
9	J. L. liyatt	216	July	22,	1940	423			
11	F. Adams Est.	250 <u>+</u>	June	7,	1940	_	***		•
13	Joe Kubesch	46	May	31,	1940	300			
14	P. H. Schoenfield	64		do.		131			
15	Joe A. Wilson	116	June		1940				
ló	Geo. Wilson	243		do.		<u>a</u> /292		75	7.9
17	Elsie Ranch	243		do.		295			
18	do.	221		do.		286	<u> </u>		
20	F. Adams Ast.	146	110;"	31,	1940	<u>a</u> /740	***	167	14
24	Mrs. E. H. Koch	275	ilay	25,	1940	~	-	-	**
25	Geo. Raun	275	Apr.	23,	1940	364			
26	E. Haws Est.	260		do.		343		_	**
28	do.	260	May	25,	1940		**	-	A
30	Bergstrom Bros.	356		do.		504	-	•••	
33	Harfst Bros.	285	Auc;.	2,	1934	536	0,10	116	12
35	Taiton Gin	48	Hay	31,	1940		-		***
ή1	Geo. Raun	172		do.		***			-
42	T. T. Duncan	260	Lay	28,	1940				
43	Russell Raun	275	June	3,	1940		-		
43 46	B. T. Clark	125	May	31,	1940		•		-
49 51	Urban Wendel	230	May	27,	1940	484			
51	G. H. Morthington	200 <u>+</u>	Apr.	17,	1940	35 <sup>1</sup> 4			-
52	Duncan Bros.	====================================	****	do.	<del></del>	783	<del></del>	<del></del>	
<del>54</del>	Glen Flore Gin	<u></u> 380	Anr.		19'40	<u>a</u> /337	.04	85	14
	John Dorman	140				<u> </u>			
55 56	N. P. Pead	280	Apr.			777			• <del>•</del>
<u> 56</u>	do.	280	inun.	3,	1934	333	0.17	85	15
56 58	Dr. L. Logue	44	Apr.		1940	340			<del></del>
58 50	Lillie Jefferson	42	<del></del>	do.	<del></del>	770			
59 60	Lora Hudgins	45	<del></del>	do.		110		-	
<u>51</u>	Julius 3. Heyne								
		35±	<del></del>	do.			<u>e</u> /6.03	<del></del>	
62 O	D. R. Gaylor	69		do.	<del></del>	414	-	<del></del>	····
64 C=	Carl Reymolds	60 <u>+</u>	·	do.		982	<del> </del>	<del></del>	
65	Dave H. Hall	<u>†0+</u>	<del></del>	do.		682			
66	J. J. Pendegrass	6 <u>5</u>		do.			<u></u>		
67	Willis Blackwell	40	- <del></del>	do.				<u></u>	
71	J. K. Kuban	55	1.11.:		1934	213	0.11	37	4.2
71	do.	140	Ang.		1940	293			
72	J. G. Leverage	160		do.		391	****		
73	J. Hlavinka t. as CaCOz	34	Apr.	17,	1940			-	

a/ Ppt. as CaCOz. b/ Determined. c/ Calculated.

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

7ell : 1 3 4 4 5 7 8 9 11 13 14 15 16 17 18 20 24 25 26 28	Sodium and Potassium (Ha + K) (calc.)	Sicarbonate (HCC <sub>3</sub> )	(SOl <sub>4</sub> ) (toro.) 25 b/ 6.6 6 18 13 12 23 23 18 6 15 b/ 9.2 7	26 169 26 34 147 115 184 119 210 48 10 39 41		Nitrate (NO3)	Total hardness as CaCC3 (determined)  363 308 150 106
3 4 4 5 7 8 9 11 13 14 15 16 17 18 20 24 25 26 28	(calc.) 21 26 88 64 58 8.7 26 34 34 95	a/ a/ 140 158 a/ a/ 338 310 a/ a/ 262 290 278	(SOl <sub>4</sub> ) (toro.) 25 b/ 6.6 6 18 13 12 23 23 18 6 15 b/ 9.2 7	26 169 26 34 147 115 184 119 210 48 10 39 41	(F)	1.0	(determined)
3 4 4 5 7 8 9 11 13 14 15 16 17 18 20 24 25 26 28	21 26  83 64  58 8.7  26 34 34 95	a/ a/ 140 158 a/ a/ 338 310 a/ a/ 262 290 278	(torro.) 23 b/ 6.6 6 18 13 18 23 23 18 6 15 b/ 9.2 7	26 159 26 34 147 115 134 119 210 48 10 39 41	.1.	1.0	(determined)
3 4 4 5 7 8 9 11 13 14 15 16 17 18 20 24 25 26 28	21 26 	a/ 140 158 a/ 338 310 a/ a/ 127.8 a/ 262 290 278	25 b/ 6.6 6 18 13 12 23 23 16 6 15 b/ 9.2 7	26 169 26 34 147 115 184 119 210 48 10 39 41	- 1	- - 1.0 - 7.0	- - - 2/113 126 - - 363 308 - 150
14 15 7 8 9 11 13 14 15 16 17 18 20 24 25 26 28	26  88 64  58 8.7 - 26 34 34 95 -	140 158 2/ a/ 338 310 a/ a/ 262 290 278	b/ 6.6 18 13 18 23 23 18 6 15 b/ 9.2 7	26 34 147 115 184 119 210 48 10 39 41	- 1	- - 1.0 - 7.0	126 - - 363 308 - 150
14 5 7 8 9 11 13 14 15 16 17 18 20 24 25 26 28	26  88 64  58 8.7 - 26 34 34 95 -	158 2/ a/ 338 310 a/ 262 290 278	b/ 6.6 18 13 18 23 23 18 6 15 b/ 9.2 7	34 147 115 184 119 210 48 10 39	.1.	- - 1.0 - 7.0	126 - - 363 308 - 150
7 8 9 11 13 14 15 16 17 18 20 24 25 26 28	58 64  58 8.7  26 34 34 95 	2/ a/ 338 310 a/ a/ 127.8 a/ 262 290 278	18 13 18 23 23 18 6 15 b/ 9•2 7	147 115 134 119 210 48 10 39	.1	- 1.0 - 7.0	- 363 308 - 150
7 8 9 11 13 14 15 16 17 18 20 24 25 26 28	58 64 58 8.7 - 26 34 34 95	a/ 338 310 a/ a/ 127.8 a/ 262 290	13 15 23 23 16 6 15 b/ 9.2 7	115 184 119 210 48 10 39	.1 -	1.0 7.0	308 - 150
9 11 13 14 15 16 17 18 20 24 25 26 28	64  58 8.7  26 34 34 95  37	338 310 <u>a</u> / <u>a</u> / 127.8 <u>a</u> / 262 290	18 23 23 18 6 15 b/ 9.2 7	184 119 210 48 10 39 41	.1.	1.0 - 7.0	308 - 150
9 11 13 14 15 16 17 18 20 24 25 26 28	64  58 8.7  26 34 34 95  37	310 <u>a/</u> <u>a/</u> 127.8 <u>a/</u> 262 290 278	23 23 18 6 15 b/ 9•2 7	119 210 48 10 39 41	.1	1.0 - 7.0	308 - 150
11 13 14 15 16 17 18 20 24 25 26 28	58 8.7 - 26 34 34 95 -	<u>a/</u> <u>a/</u> 127.8 <u>a/</u> 262 290 278	23 18 6 15 <u>b</u> / 9•2 7	210 48 10 39 41		7.0	_ 150
13 14 15 16 17 18 20 24 25 26 28	58 8.7 - 26 34 34 95 -	<u>a/</u> 127.8 <u>a/</u> 262 290 278	18 6 15 <u>b</u> / 9.2 7	48 10 39 41			150
15 16 17 18 20 24 25 26 28	8.7 - 26 34 34 95 - 37	<u>a/</u> 127.8 <u>a/</u> 262 290 278	6 15 <u>b</u> / 9.2 7	10 39 41			
15 16 17 18 20 24 25 26 28	26 34 34 34 95  37	<u>e/</u> 262 290 278	15 <u>b/ 9.2</u> 7	39 41		<b>1</b>	106
15 16 17 18 20 24 25 26 28	26 34 34 34 95  37	262 290 278	<u>b</u> / 9.2 7	41			<del></del>
16 17 18 20 24 25 26 28	34 34 95  37	290 278	7	41			
18 20 24 25 26 28	3 <sup>1</sup> 4 95 - 37	278	7			1.2	<u>c</u> /227
20 24 25 26 28	3 <sup>1</sup> 4 95 - 37	278		27		<b>Pad</b>	210
24 25 26 28	37.	308	10	25		-	201
25 26 28	37.	200	<u>b</u> /31	280		1.2	<u>c</u> /475
25 26 28		<u>a</u> /	12	8ිපි	-		-
26 28		238	28	79	-	<del>-</del>	255
28	51	234	10	84			210
		a/	18	162	***	-	***
30	59	304	17	142		<del></del>	338
33	74	314	<u>b</u> /29	150	**	.6	<u>c/339</u>
33 35 41	***	<u>a</u> /	4	íg			
41		<u>a</u> /	30	360		***	
42	<del></del>	<u>a</u> /	34	<b>2</b> 72	-	-	
43		<u>a/</u>	25	265	4-4	***	p=4
46	<del>-</del>	<u>a</u> /	12	93	_	_	<u> </u>
49	72	300	15	133		4/5	292
51	14	283	16	60			300
51 52 54	<b>3</b> 6	472	<u>b</u> /71	141		46	510
54	30	350	b/ 8.1	27	-	• 41-	<u>c</u> /270
55	<del></del>	<u>a</u> /	5.0	35			<u></u>
56	25	33 <sup>4</sup>	<u>b</u> / 9.3	25		70	<u>c</u> /276
56	35	339 <b>.</b> 8	<del>2/_2-1</del> 7.0	29	-	•39	248
56 58			26	215	-		
59	197	460	b/61	188			<u>-</u> 278
59 60		<u>a</u> /	24	102	-		
61	37	490	<u>b</u> /49				<u> </u>
62	11	432	16	125 20	***	**************************************	
64	78						375 730
65	71	532 517	<u>b</u> /95	250 77			720
		5 <del>1</del> 3	<u>b</u> /70	.73		28	465
66		<u>a/</u>	<u>b</u> /47	34	**	23	
67		<u>a</u> /	28	80	***	8.6	
71	46	206	b/ 6.1	19		4.2	<u>c</u> /110
71 70	35	254	10	42	****	<u>f/</u> <u>f</u> /	201
72	51	350	8	55			262
73	of constit	<u>a/</u>	40	96		180	-

d/ Sum of constituents.
e/ Fe in sediment.
f/ Less than 20 ppm.

	Analyses of wa						Conti	nued	<del></del>
		Depth		ate		Total	.   _		
Well	Omer	of	collection		dissolved			Magnesium	
		well				solids	(Fe)	(Ca)	(Mg)
		(ft.)				(calc.)		<u> </u>	
74	F. Bilicek		Apr.		1940	746			**
75	R. Bratcher	198		do.		455		_	-
77	Gus Semkel	110	Apr.	19,	1940	1418	-		
78	Louis Sclar	30 <u>±</u>		do.		175			
79	E. C. Cassady	50±		do.		14914	-		
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 <u>+</u>	Apr.	17,	1940	431	-	-	
91	S. H. Dodson	_ 85		do.			-		<b>-</b>
95	Watt Shelton	28		do.		478	-	<b>3</b> 4	-
96	Frank Bucek	38		do.		473	4		
100	Louis Macha	72		do.					
105	John Roten	58	Apr.	10,	1940		-		
106	A. Maddox	75	Apr.	16,			-		***
107	Laura Stewart	<sup>1</sup> 42 <u>+</u>	Aug.	3,	1934	477	0.25	132	27
108	City of Wharton	940 <u>+</u>	Apr.	12,	1940	3 <b>1</b> 5	,12	37	13
109	do.	413	Aug.	3,	1934	303	0.15	67	14
109	do.	413		12,	1940	300	·		***
118	Pierce Est	218		do.		d/348	•03	79	14
	The Texas Co.						_		
119	L. P. Tabor	46	Apr.	20,	1940	753		_	
120	Hallie Godfrey	40 <u>+</u>		do.		548			
121	W. M. Border	208	Apr.	12,	1940	<u>d</u> /358	.05	82	15
122	Pierce Est	314		do.			<u>e</u> /6.6		-
	The Texas Co.	_					<b></b> /		
123	do.	302		do.		d/363	•06	74	17
124	do.	530		do.		<u>d</u> /293	.11	67	14
126	do.	267	<del></del>	do.		363		<del></del>	**
129	A. C. Thempson	21		do.		1,893	·-	_	-
132	Conway Boston	40	June	5,	1940	-			++
134	Ervin Brod	60 <u>+</u>	June	14,	1940		***		b-a
135	N. L. Franke	32	June	5,	1940	407			
137	A. D. Manofsky	55	Aug.			463	0.10	102	19
139	Central Power &	1,098		do.	·	365	0.07	15	5.5
	Light Co.						·		
139 140	do.	1,098	Apr.	13,	1940	351	<del></del>	•	
140	P. Dornak	102	June	4,	1940	**		p==	-
145	W. A. Sears	100		do.	<del></del>	\$=##	<del></del>	<u></u>	
146	John Bo <b>y</b> d	300 <u>+</u>	June	14,	1940	-	<del></del>	<b></b>	
147	Alf. N. Nilson -				1940		•••		\$-a
·	The Texas Co.		_	-	_				
148	Central Pover &	1,188	Apr.	13.	1940	364			**
	Light Co.		-		-	<u>-</u>			
158	Hartman	313	July	24,	1940	358			-
166	H. P. Stockton				1940	***	,		***
170	C. C. Appling	286		do.	<del></del>		-		-
1 <b>7</b> 3	Stoval & Appling	390	**************************************	do.	<del></del>	Bress	***		
<del></del>	t. as CaCOZ.						····		

a/ Ppt. as CaCO3.
b/ Determined.
c/ Calculated.

(Part			bers corre	espond to	numbers i	n tables of	vell records.
i	Sodium and	i .		1			Total
Tell	Potassium	Bicarbonate		Chloride		Nitrate	hardness
	(Na + K)	(ECO <sub>3</sub> )	(ՏՕՆ)	(Cl)	(F)	(2703)	as CaCOz
	(calc. )		(turb.)	· · · · · · · · · · · · · · · · · · ·		7.	(determined)
74	112	282	15	215	<u></u>	103	390
75	50	300	16	114	+-	<u> </u>	315
77	76	360	3	67			232
78	14	100	1	24	<u></u>	37	117
79	8 <u>1</u> +	315	12	134	-	<u> </u>	27g
<u> </u>	331	528 528	<u>p</u> \505	420	ing.	1.6	518
81	116	228	20	150		11	225
87			26	120			
<u> रह</u>	132	<u>a/</u> 442	16	114	-	<u>f/</u>	0.50
83 88 39 90 91					<del></del>	<u>f/</u> <u>f</u> /	252
09	162	470	30	140	p		262
90	43	403	7	30		26	308
91		<u>a</u> /	16	133	g-4		
95	101	360	7	79		30	218
96	132	365	14	90		3.0	158
00	P-4	<u>a/</u>	14	96		<u>f/</u>	
05		<u>a</u> /	51	66	A	<u>f/</u> <u>f/</u> f/	-
06	***	<u>a/</u>	69	58	Q4	<u>f</u> /	-
07	18	529	b/ 26	12	p.s	1.7	<u>c</u> /441
08	70	253	b/ 23	47	<del>-</del>	•36	<u>c/146</u>
09	32	256	b/ 16	47		•75	<u>c</u> /225
09	37	250	14	44		1,2	201
18	<del>3</del> 8		b/ 15	56		.16	<u>c</u> /255
	)- 		<b>-</b> -	) (		• = 0	<u>=1</u> = ) )
19	61		<u>b</u> ∫ 91	45		-	570
20	45	492	32	58		_	420
21	35		b/ 14	98	-	• 50	<u>c</u> /266
22	68	358	14	127		•25	339
23	414	286	b/ 17	70		.10	<u>c</u> /255
24	29		b/ 13	34			
<u>-</u> ∓ 26		205	14	61.		•36	<u>c</u> /225
20	52 )(6)	295 562			<u> </u>	.0	240
29	469	702	<u>b</u> /103	795	<del></del>	<u>f</u> /	675
32		<u>a</u> /	17	75			744
34		<u>a/</u>	28	184			
35	65	376	S	50		1,2	248
37	54		<u>b</u> / 12	64	-	6.3	<u>c</u> /333
39	127	267	<u>b</u> / 10	76		.10	<u>c</u> / 60
39	128	266	7	74	e-4	•0	52
10	-	<u>a</u> /	<del></del>	55	***	-	
15			13	64			-
16 16		a/			<del></del>		
		<u>a/</u>	25	123	****	<del></del>	
7	-	<u>a</u> /	9	62			
18	135	270	7	81		.0	50
58	59	328	9	45			213
6		<u>a</u> /	18	187		**	
		**************************************				-	
<u>′0</u> 3		<u>a/,                                     </u>	11	81			
)		<u>a</u> /	<u>b</u> /23	110	-		

d/ Sum of constituents.
e/ Fe in sediment.
f/ Less than 20 ppm.

-49-Analyses of water from wells in Wharton County---Continued Date of Total Depth Iron Calcium Magnesium ofcollection dissolved Well Owner well solids ( Fe ) (Ca) (Mg) (ft.) (calc.) 1940 175 Mores Saman 197 June 13, 176 461 ਤੋ. Saman 248 do. 177 J. L. Myatt 150 do. --\_\_ ---179 C. Appling 371 400 do. C. Peterson 574 182 1940 32 June 187 ઉદ 82 1934 2.9 27 Chas. Davis Aug. 2, 502 38 5, 1940 187 b/794 do. June 188 35± Viggo Anderson 893 do. \_ 189 T. Longwood 30 do. \_ 191 Walter Carrett 310 12, 1940 June -194 R. L. Sublett 302 June 13, 1940 \_\_ \_ 197 Mauritz Bros. 165 do. 198 H. D. Allen 410 do. d/479 95 23 -202 386 Chas. Dabaval 386 do. 206 Bohuslav 68 14, 1940 J. June ---65 5, 210 C. A. Ellwood 1940 June 211 Carville 30 520 do. M. Halamicek 213 45 do. 1,112 14, 1940 A. C. Thompson 28 215 June \_ ---694 216 do. 157 \_ 221 Myatt & Beck 160 June 1940 5, d/448 222 J. L. Lyatt 200 93 14 do. 223 Chas. Shult 165 do. 225 Geo. Duffy 126 do. ---\_ 229 314 82 18 4, 1940 d/507 J. C. Allen June 230 W. A. Moers 42 10, 1940 605 Apr. 231 56 Chas. Davis do. -34 233 W. E. Rodgers do. \_ 234 Caroline Henry 50+ 921 do. 200+ e/3,22 235 Chas. Morris d/35168 18 do. 236 93 3<u>,</u> 111 C. L. Lane 1934 556 1.7 30 Aug. 238 Bowling Ice & 754 10, 1940 d/313.10 38 14 Apr. Water Co. do. 239 G. C. & S. F. Ry. 392 242 532 Texas Gulf Sulphur Co. 11, 1940 490 Arr. 243 530 232 do. do. ----244 334 do. 466 do. 245 414 571 do. do. 246 90 E. V. Baker do. 620 \_ -247 116 904 do. do. \_ 248 116 941 do. do. 249 87 b/950 do. do. \_\_

**67** 

650+

650±

35

260

190

275

130

do.

do.

do.

22,

do.

3,

Apr.

June

June

June

1940

1940

1940

1940

701

276

275

684

628

b/403

e/1.5

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do.

do.

A. C. Cochburn

Geo. Cockburn

Leo. Bodungen

Bishen-Heyers

J. B. Putnam

Duval Texas Sulphur Co.

250

251

253

257

261

268

a/ Ppt. as CaCOz. b/ Determined. c/ Calculated.

(Fart	ts per milli	on. Well nur	nbers corre	espond to	numbers in	n tables of	well records.)
	Sodium and	1					Total
Well	Potassium	Bicarbonate	,	Chloride		Hitrate	hardness
	(Ma + K)	(HCO <sub>3</sub> )	(SO <sub>4</sub> )	(01)	(F)	(NO <sub>3</sub> )	as CaCCz
	(calc.)	1	(turb.)				(determinéd)
175	-	<u>a</u> /	10	90	-	•••	
176	72	370	13	84	-	_	278
177	-	<u>a</u> /	13	57	***		···
179	51	350	9	60			270
182	<u> </u>	420	14	128	••		345
187	79	398	<u>b</u> / 15	103		.17	<u>c/316</u>
187	212	508		210	<del></del>		278
188			25		***	<del></del>	
	195	370	<u>b/107</u>	272			375
189	<del></del>	<u>a/</u>	10	108	,, <u></u>		
191	<b></b>	<u>a</u> /	12	77			
194		<u>a/</u>	12	66			
197		<u>a/</u>	12	85		**	**
198	60	352	18	110		, C	<u>c</u> /332
202	-	<u>a</u> /	12	60		-	
206		<u>a</u> /	360	765	A-4		
210	***	<u>a/</u>	60	220	*-		**
211	97	<u>398</u>	ig	102	-		278
213	265	436	<u>b</u> /179	310	**	1.5	405
215	<u> </u>	<u>a/</u>	10	63		***	
216	126	452	<u>b</u> / 37	166			368
221	<u> </u>	<del></del>	<u>20</u> 20				,000
	<del>-</del>	<u>a/</u>		94			7000
222	65	368	<u>b</u> / 13	82		•0	<u>c</u> /290
223	**	<u>a/</u>	27	81		<del></del>	***
225	<del></del>	<u>a</u> /		62		····	
229	92	361	<u>b</u> / 29	108		.40	<u>c</u> /279
230	63	512	26	89		.0	435
231	<del>-</del>	<u>a/,                                     </u>	E	1414	•	1.9	
233		<u>a/</u>	16	52	-	4.2	
234	250	542	<u>b</u> / 70	232		<u>£/</u>	30 <b>C</b>
235	44	260	<u>h</u> / 15	78		.16	<u>c</u> /244
236	66	541	<u>b</u> / 39	43	•••	.10	<u>c</u> /400
238	67	257	<u>b</u> / 39 <u>b</u> / 21	46		.16	<u>c</u> /152
239	***	<u>a</u> /	6	80		•25	
242	142	360	14	106		•25	150
243	36	230	16	42	-	•25	186
244	161	324	20	105		•29	<u>84</u>
245		360				.20	
2116	213		20	152	1.0		69 787
246	119	148H	4	132	***	•25	327 877
247	255	368	4	370		<u>f</u> / <u>f</u> / <u>f</u> /	273
2 48	240	422	4	365	<del></del>	<u>f/</u>	342
249	227	386	1	392		<u>f/</u>	378
250	175	412	10	215	-	f/	270
251	57	254	16	26	***	.20	138
253	<u> </u>	226	20	36	•5	•0	84
257	-		20	225	• /	<u> </u>	
	-	<u>a/</u>	<del></del>		<del></del>		· · · · · · · · · · · · · · · · · · ·
258 261	701:	776	70			•••	 700
261	104	336	30	226			398
268		<u>a/</u>	28	177			
271	109	322	27	20 <b>0</b>	4	1.0	338

d/ Sum of constituents.
e/ Fe in sediment.
f/ Less than 20 ppm.

Analyses of water from wells in Tharton County--Continued

	Analyses of wa						T	-100 a.	f
		Depth Date of		To tal	1	1			
7ell	Owne ${f r}$	of	collection		dissclved	Iron	Calcium	Magnesium	
		well				solids	(Fe)	(Ca)	(Mg)
		(ft.)	!			(calc.)			
274	Myatt & Beck	169	May	27,	1940	-	_		_
280	Mrs. Alfred Peterson	190	May	31,	1940				
281	C. W. Beckett Ist.	201		do.		956		-	<del>-</del>
291	Paul Herman		June	3,	1940	-	-	-	
292	Wm. Koch	280	June	12,	1940	445	_	_	-
299 308	Walter Garrett	180		do.		814	-	<del>-</del>	-
308	Frank Olson	200	June	4,	1940				-
309	Olson Bros.	250		do.		•••	***	-	
313	Dr. O. E. Ellison	65		do.			p=4	_	
314	Otto Michelson	408		do.		<u>c</u> /668		106	27
318	John V. Mazoch	260	July	25,	1940	4 <b>8</b> 8			
320	Gadelie Est.	-	<del></del>	do.		467		_	

a/ Ppt. as CaCO3 b/ Determined. c/ Calculated.

(Part	ts per milli	on. Well num	bers corre	espond to	numbers in	n tables of	well records.)
	Sodium and						Total
Well	Potassium	Bicarbonate	Sulphate	Chloride	Fluoride	Mitrate	hardness
	(Na + K)	(HCO <sub>3</sub> )	(SC) <sub>4</sub> )	(Cl)	(F)	(1103)	as CaCOz
	(calc.)		(turb.)	Ì		٦٠ ,	(determined)
274	-	<u>2</u> /	10	103	-	-	PW
28C	**	<u>a</u> /	28	180	-	• 5	••
281	206	444	<u>b</u> / 64	310	-	_	420
291	-	<u>a</u> /	17	50	•••		-
292	60	310	20	99		_	285
299	163	454	<u>b</u> / 62	218			390
291 292 299 308		<u>a</u> /	E	76		-	
309	-	<u>a/</u>	10	73			
313		<u>a</u> /	17	133			_
314	118	418	<u>b</u> / 20	190	_	1.0	<u>c/</u> 376
318	82	390	34	71		1.4	278
320	66	318	17	110	<b>.</b> 2	1.5	c/292

d/ Sum of constituents.
e/ Fe in sediment.
f/ Less than 20 ppm.

