TEXAS

STATE BOARD OF WATER ENGINEERS

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AUSTIN COUNTY, TEXAS

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

Works Progress Administration Ground-Water Survey Project 2080

Analyses made and report mimeographed by WORK PROJECTS ADMINISTRATION Project 6507-5112

Sponsored by the State Board of Water Engineers with the United States Department of the Interior, Geological Survey, and the Bureau of Industrial Chemistry of The University of Texas

AUSTIN COUNTY, TEXAS

Introduction
by
Samuel F. Turner
Associate Hydraulic Engineer
U. S. Geological Survey

The purpose of this survey was to obtain information concerning existing wells and the quantity and quality of water they yield, and to put down test holes where additional information was needed.

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

The analyses were made by chemists employed on Works Progress Administration Project 6507-5112 at Austin, Texas, sponsored by the State Board of Water Engineers. Typists employed on this project typed and assembled this release.

The field work in Austin County was started on December 15, 1936, and completed March 31, 1937. This work was done as Project 2080 of Administrative Field office 6 of the Works Progress Administration, Houston, Texas.

This release contains the well records and well logs obtained by the project superintendent, logs of the test holes drilled by the W. P. A. labor, and the chemical analyses of water from privately owned wells and from test wells. Locations of all wells and test wells are shown on the map in the back of the release.

Records of wells in Austin County, Texas

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

Jo.		Distance	Survey	Owner	Driller	Topo-	Date	Tem-	Depth	Diam.
	-	from		•			Ī	pera-	of	eter
		Bellville				situ-	ple-	1	well	of
						ation	ted	(°F.)	(ft.)	well
		_								(in.
	1	20g miles	Win •	W. A.	~ 4	Hill-	1881	66	76	10
		west	Sutherland	Voelkel		side				
	2	18½ miles west	Wm. Eurnett	Karl Neumann	500 ear-	do•	1891.	69	16	48
	3	17 miles northwest	Sam M. Williams	V. Janes	~	Hilltop	1901	69	75	30
	4	15층 miles	John Hodge	Herbert		Top of	1929	68	53	36
		northwest		Thielemaun		ridge				
= /	5	15 miles	do.	F.W. Schuer-	El. L.		1922	† -		
		northwest		enberg Est.	Fitzsinmons					
	6	14 miles	do•	Alfred			1908	69	62	30
		northwest		Schultze						1
-	7	14 miles west	Stephon F. Austin	Hugo Huebner		Hilltop	1900	67	98	30
	8	do•	do•	B. 7. Huebner	n= se	do•	1925	69	55	48
•	9	7 miles west	do•	Willie Hold	12 cm	and est.	1895	73	30	24
e/	10	75 miles	do.	Hugo Fischer	Willie	20 AN	1885		127	3
<u>-</u>		west		Anna Hartman	Hiller			1		
	11	do•	do•	do∙		and you	1870	69	25	72
	12	145 miles west	do∙	Reinhold Lahrmann	Walter E. Rinn	Hilltop	1925	68	97	3
-	13	do•	John F. Pettus	J. C. Buenger	do•	200 avs.	1930	67	105	3
e/	14	15 miles west	do.	Chas. F. Knolle	Telloy-Knolle Oil Co.		70 00		1,504	
	15	13 miles	do.	Walter E.	Walter E.		1918	66	44	36
	1	west		Rinn	Rinn					}
	16	162 miles west	Wm. T. Dunlavey	Otto Arndt		Hilltop	1899	69	47	36
₃ /	17	15½ miles	Samuel 0.	Emil Kruege	Walter E.	Hill-	1924		185	3
-4		west	Pettus)	Rinn	side				
7	18	16 miles west	do•	Wm. Schweke	enter ditte sitter vita distribution di serie d Anti-serie	ter 300	1392	71	30	36
	19	14호 miles west	A. J. Bell	School	Walter E. Rinn	Hilltop	1931	66	131	3
	21	14 miles west	do∙	H. L. Frnka	Willie Hiller	27 774	1907	sm 44	135	3
	22	13 _{ਤੇ} miles west	Bryant Dottery	Henry Gross	an an distance on the designation distance requirements	Hilltop	1895	63	85	3
7	23	8 miles	Renke Stolze	H. W.	Arkansas				4,010	
4	1	west		Peschell	Fuel Oil Co.		ļ			

a/ Measuring point was usually top of casing, top of pump base, or top of well curb.
b/ B, bucket; C, cylinder; E, electric; G, gasoline engine; H, hand; T, turbine; W, windmill; number indicates horsepower.

Records obtained by R. E. May, Project Superintendent (Chemical analyses of water from these wells are in the table of analyses.)

	(0,1-10-10-10-10-10-10-10-10-10-10-10-10-10		,			,
	Height of					
No.	measuring	Depth	Date of	Pump	Use	Remarks
	point	below	neasure-	and	of	
	above	measu	r- ment	power	water	
	ground	ing po	oint	ъ/	<u>c/</u>	
	(ft.) a/					
1	, T em	51.3	lar. 16,	D,H	D,S	Dug well. 68 feet vitrified clay casing at
			1937			top. Water reported in sand and gravel, 68
2	Ö	0.8	do.	B,A	D,S	Dug well. 14 feet steel casing to 76 feet.
						at top. Water reported in sand, 14 to 16
3	0.2	59	d/	·C,W,H	D,S	Dug well. 74 fect vitrified clay cas-feet.
			B3			ing at top. Water reported in sandstone, 74
4	2.7	33.2	Mar. 11,	C,W	D,S	Dug well. 50 feet concrete cas- to 75 feet.
			1937			ing at top. Water reported in sandstone, 50
5				None	N	Oil test. See log. to 53 feet.
						Banker Anderson and Anderson an
6	2.4	54.4	Lar. 11,	В,Н	D,S	Dug well. 60 foot concrete easing at top.
			1937			Water reported in sand, 60 to 62 feet.
7	1	67	Mar. 10,	C,W	D,S,I	
			1937			Screen at bottom. Owner reported water in
8		46.6	Mar. 12,	C,ii	D,S	Dug well. 52 feet rock sand, 93 to 98 feet.
			1937			casing at top. Water reported in sand, 48
9	1.5	20.3	Mar. 8,	B,H	D,S	Dug well. 26 feet concrete cas- to 55 feet.
			1937	•		ing at top. Water reported in sand, 26 to
10	1	80	d/	C	D, Ind	
	_	- 1				Owner reported water in sand, 118 to 127
11	I	9.2	Jan. 14,	C	Ind	Dug well. 16 feet concrete casing at feet.
			1937			top. Water reported in sand, 16 to 24 feet.
						Supplies two 250-horsepower boilers in saw
12		61.5	Har. 12,	C,W	D,S	93 feet steel casing at top. Screen mill.
			1937	- ,	-,-	at bottom. Water reported in sand and gra-
						vol, 92 to 97 feet. Well 57 feet deep near-
13	0.5	38	d/	C,E,3	D	90 feet galvanized cas- by failed in 1925.
		•	/	0,2,0		ing at top. Screen at bottom. Owner ro-
						ported water in sand, 90 to 105 feet. Esti-
14				Hone	N	Oil tost. mated yield, 5 gallons a minute.
				1,0110	1	See log.
15	1.1	22.4	Jan. 14,	C,W	D,S	Dug well. 35 feet wood casing at top. Own-
			1937	J 311	- , -	er reported water in sand, 35 to 43 feet.
16		36.3	Mar. 17,	C,W,H	D,S	Dug well. 44 feet brick casing at top.
20	1		1937	0 344 321	-,~	Water reported in sand, 44 to 47 feet.
17		116	do.	C,-,5	Ind	100 feet galvanized iron casing at top.
, 1		, jug 42		w, -50	11111	Water reported in gravel, 174 to 185 feet.
						Estimated yield, 8 gallons a minute.
18		17.3	do.	В,Н	S	Dug well. 24 feet brick casing at top.
, L O			40.	ندورد		Water reported in sand, 24 to 30 feet.
19	 	97	Mar. 16,	C,E,-	D	127 feet steel casing at top. Screen at bot-
¥.0		71	1937	⊶ويترو∪	٦ ا	tom. Water reported in sand, 125 to 131
21	- t-	102		C,W		
27		100	₫∕	₹ و ن		131 feet steel cas- feet. Supplies school.
						ing at top. Screen at bottom. Water report-
22	 	43	Mar. 17,	C = 7 = 7	D,S	ed in sand, 129 to 136 feet. Supplies gar-
22		450	1937	De 11 € ∪	۵و لا ا	81 feet galvanized casing at top. age.
23	<u> </u>		1301	Rone	N	Screen at bottom. Water reported in sand,
40				FOUG	l Di	Oil test. See log. 77 to 85 feet.
	1					

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

Records of wells in Austin County--Continued

************		records	or wells in W	12 citi codito	T COIT GIII G	<u> </u>			, ,,,,,, ,
No.	Distance from Bellville	Survey	Owner	Driller	Topo- graphic situ- ation	ple- ted	pera- ture (^O F•)	well (ft.)	eter of well (in.)
24	9 miles	George	T. M. Kamas	J. Sembera		1893	69	27	30
25	west 10 miles	Grimes do.	V•	V.		1920	74	38	30
	west		Chaluepkua	Chaluepkua					1
26	ll miles	Benjamin	John Arning	Walter E.	Hill-	1926	66	82	3
27	west 10 miles	Eaton do•	Otto Veckert	Rinn	side River	1890	70	64	3
21	west	u0•	Occo veckerc		bottoms	9	10	04	
28	11호 miles	do•	B. Wering	Walter E.	Hilltop		65	86	3
	west			Rinn		103 5			<u></u>
29	12 miles west	Eliz. M. Kuykendall	Chris Loesch	Herman Albert		1917	68	67	3
30	d	do.	Mrs. H. J.	WTOGLE	Hilliop	1893	65	95	30
			Albert		1.2-2-07	·			
32	ll는 miles	1	Willie		do•	1927	64	19	30
22	northwest		Spreen Carl Holt	Carl Holt	do•	1896	67	120	30
აა	northwest		cari noic	cari noit	0.0 •	1020	0,	120	30
34	13 miles	do.	C. L.	pa p=	Hill-		69	57	36
	northwest		Luedeke		side				<u> </u>
35	ll miles	Chas. Benton	Emil Hopman		Hilltop	1890	71	39	30
36	northwest do.	James Cooper	New Wehdem		do•	1927	69	68	3
00	40.	earica cooper	School		u.o •	1001		40	
38	9g miles northwest	do•	Hy Honerkamp	- **	do•	1894	68	28	30
40	9 miles	John W.	Andrew	Conrad Booth	94 49	1918	63	119	6
	northwest		Herring			7.05	63		
42	do∙	₫0•	Louis Loesch		Hill- side	1871	71	25	30
44	7 miles	do∙	Frank W.		Hilltop	1873	72	24	30
	northwest		Mikeska		7-17	7070		24	
<u>e</u> / 46	do•	do•	School		Eill- side	1916	71	34	30
47	9 miles	J. G.	Fritz		=-	1916	69	47	3
	northwest		Richter						
48	7 miles northwest	J. Furnas	John H. Gooke		Ridge- top	Old	7 0	65	36
50	4 milos northwest	Wm. Kuykendall	Mrs. D. Laas	Jesse Rinn	Hill- sido	1924	69	163	3
52	1	John	I. D. Harper	I. D. Harper		1930	67	46	10
e/ 54	8 miles	Samuel C.	Herman Palm	Walter E.		1928	69	72	4
	southwest			Rinn					
	6 miles southwest	Louis von Roeder	August Huber			1900	70	5 7	30
f	4 miles southwest	S. Swearingen	Frank Sens	wid one		1910	69	57	36
57	62 miles south	läles N. Allen	John Surovik	Walter E. Rinn	err eta underspilante endarrelle. erre par	1924	68	104	3
58	5g miles	do∙	Arnold		Hill-	···	73	65	12
	south		Goebel		side				<u> </u>

-6Project Superintendent

				E. May	, Proje	ect Superintendent
-	Height of	:/ate	r Level			
No.	measuring	Depth	Date of	Pump	Use	Remarks
	point	below	measure-	and	of	
	above	measu	r- ment	power	water	
	ground	ing po	oint	b/ .	<u>o</u> /	
	(ft.) a/	(ft.)				
24	2	15.3	Jan. 14,	C,W,H	D	Dug well. 21 feet concrete casing at top.
			1937			Owner reported water in sand, 21 to 27 feet.
25	1.8	26.3	do.	B,][D	Dug well. 30 feet concrete casing at top.
						Owner reported water in sand, 30 to 37 feet.
26		57	d/	C,W,H	D,S	Steel casing. Water reported in rock, 78 to
						82 feet.
27	1	47	d/	C,W,H	D,S	Steel casing. Water reported in sand, 60 to
:						64 feet.
28	0.5	66.2	Lar. 10,	C.W.H	D,S	Galvanized iron casing. Owner reported water
			1937			in sand, 82 to 86 fect.
29	0.3	49.4		C,W,H	D,S	Steel casing. Owner reported water in sand,
				5,11,522	,,,	64 to 67 feet.
30	1	67.4	do.	C,VI	D,S	Dug well. Vitrified clay casing inside rock
- 00		0.42		0 3	1 2,0	casing. Owner reported water in sand, 90 to
32	2.5	9.8	do.	В,Н	D,S	Dug well. Concrete casing. Tenant 95 feet.
Ű.	5.0		uo.	12 911	2,0	reported water in rock, 18 to 19 feet.
33		114	₫/	C.W	DST	Dug well. Vitrified clay casing. Water re-
			, E	0311	2001	ported in sand, 116 to 120 feet. Irrigates
34	2.9	53.3	Mar. 11,	В,Н	D,S	Dug well. Concrete casing. Water garden.
O.T	2.	00.0	1937	خلو (1	داو ⊄	reported in sand, 54 to 57 feet.
35	1	27 7	Mar. 10,	C,W,&	D,S	Dug well. Vitrified clay casing. Owner re-
50	.L	00.0	1937		ەد ע	
36	1	42		В,Н		ported water in rock, 36 to 39 feet. Steel casing. Water reported in gravel, 63
20	-AL	46	<u>d</u> /	C,W,H	D	
- 3 8	1	70 /	Ware C	77 77	Ş	to 69 feet.
၁၀၂	Т	19.4	Mar. 9,	В,К	۵	Dug well. Vitrified clay casing. Owner re-
40	1.2	63.2	1937 Jan. 13,	A 77 77	7. O T	ported water in sand, 25 to 28 feet.
40	1.0%	00.2		Üe ¥¥e Ü	⊥ و ۵و لا	98 feet steel casing at top. Sand screen at
-40	<u> </u>	20 4	1937	O Tit 0		bottom. Owner reported water in sand, 98 to
42	0.9	20.4	liar. 8,	C,W,&	מפע (Dug well. 24 feet vitrified clay 119 feet.
-,,		767 6	1937	В,Н		casing. Owner reported water in rock, 24 to
44	2	17.5	Mar. 3,	B,E	D,S	Dug well. 18 feet concrete casing 25 feet.
-40			1937			at top. Owner reported water in sand, 18 to
46	2	26	₫/	C,H	D	Dug well. 32 feet rock casing. 24 feet.
				~ ***		Teacher reported water in sand, 32 to 34
47	1.6	22	<u>d</u> /	C,W	D,S	45 feet galvanized iron casing at top. feet.
				~ ~		Screen at bottom. Owner reported water in
48	3.2	26.2	Mar. 3,	C,W,&	D,S	Dug well. 56 feet con-sand, 43 to 47 feet.
			1937	B,H		crete casing at top. Owner reported water
						in sand, 57 to 65 fect.
50	0.6	112	<u>d</u> /	C,G,3	D,S	159 feet steel casing at top. Screen at bot-
			a temperatura and a second and a second		-	tom. Water reported in sand, 156 to 163
52	2	17.5	Jan. 12,	В,Н	D	40 foot wood casing at top. Ownor ro-feet.
			1937			ported water in sand, 40 to 46 feet.
54		56.9	Mar. 24,	C,W,H	D,S,I	
	_		1937			gravel, 69 to 72 feet.
55		41.7	₫o•	В,Н	D,S	Dug well. 55 feet brick casing at top.
						Water reported in sand, 54 to 57 feet.
56	est ===	39.S	do∙	В,Н	D,S	Dug well. 56 feet brick and stone casing at
						top. Water reported in sand, 54 to 57 feet.
57	1.3	45	d/	C,H	D,S	96 feet steel casing at top. Screen at bot-
						tom. Owner reported water in sand, 96 to
58		38	d/	C,G,3	D,S	Dug well. 60 feet wood casing at 104 feet.
		į				top. Later reported in sand, 60 to 65 feet.
		4		· · · · · · · · · · · · · · · · · · ·		**************************************

Records of wells in Austin County--Continued

		Records	of wells in Au	therm councy-	-continue	eu.			
No•	Distance from Bellville	Survey	Owner	Driller	Topo- graphic situ- ation	com- ple- ted		Depth of well (ft.)	Diam- eter of well (in.)
59	5 miles south	Miles N. Allen	Chas. Riniker	Fred Lux	Hilltop	1904	67	117	6
61	44 miles south	James Cummins: Hacienda	Fred Palm	Joe Palm	do.	1902	69	95	6
62	5 miles south	do.	Sam Vornkahl		do•	1915	68	132	6
e/ 63	l출 miles south	do•	Fritz Schumann	Walter E. Rinn	Hill- side	1921	69	67	3
e/ 65	la miles southeast	do.	G.C.& S.F. R.R. Co.	G.C.& S.F. R.R. Co.	do•	1926	67	747	10
e/ 69	4 miles south	do.	August Timme	gita san	do•	1884	71	59	30
74	3章 miles southeast	do•	E. Grube	pu	spin and	1904	71	73	3
76	2½ miles southeast	do∙	H. H. Schroeder	proj wa	Hill- side	1903	72	97	3
77	$\frac{4\frac{3}{4}}{4}$ miles southeast	do•	Albert Mernitz	-		1884	72	65	30
78	6 miles southeast	do.	Fritz Nelius		Hill- side	1912	71	88	30
79	do•	do•	do•			1905	68	68	3
80	7 miles southeast	do•	August A. Reichle	par our	Hill- side	1914	69	28	3
82	8 miles southeast	do.	S. Hintzel	E. Syer	Ridge- top	1917	71	157	3
84	do•	do•		C. C. Amsler	Hilltop	1912	72	48	12
85	8½ miles southeast	do•	Julius Brune	Otto Ulig	gerd brea	1928	71	42	4
	9호 miles southeast	J. Flanakin	Albert Janczak	Frank Eckleberg		1918	69	40	6
8 7	8½ miles southeast	Daniel Gilliland	Taylor Sykes	Taylor Sykes	Bottoms	1931	76	39	12
88	7½ miles southeast	Phillip Howard	Reinhardt Luhn	E. Syer	Hill- side	1933	71	195	3
89	do∙	do•	August Steck	PP 885	Hilltop	1912	71	95	6
91	7 miles southeast	Henry P. Roffe	F. Krueger	E. Syer		1919	71	100	3
92	do•	do∙	Gus Timme	Gus Timme	=	1893	72	57	36
93	$6\frac{1}{2}$ miles southeast	do∙	Theo Brosig	Fritz Krueger	ps ms	1917	71	117	3
94	6 miles southeast	do∙	Herman Krueger	E. Syer		1921	69	145	3

			R. H	E. May	, Proje	ect Superintendent
	Height of		Level			
No.	measuring				Use	Remarks
	point	below	measure-	and	of	
	above	measui	r- ment	power	water	
	ground	ing po		Ъ/	<u>c/</u>	
	(ft.) a/	(ft.)				
59	0.5		Jan. 30,	C,G,3	D,S	110 feet steel casing at top. Screen at bot-
			1937			tom. Owner reported water in sand and gra-
61	1.3	64.4	Jan. 29,	C.W.II	D,S	80 foet steel casing vel, 110 to 117 feet.
			1937	. , . ,		at top. Screen at bottom. Owner reported
						water in sand, 88 to 95 feet.
62	2	96	3/	C ,W	D,S	122 feet steel casing at top. Screen at bot-
OL.	2	00	₫/	O ,	2,2	tom. Owner reported water in sand and gravel,
63	0.8	-41 -	3/-	C,W,H	D,S	63 feet galvanized iron 122 to 132 feet.
00	0.0	41	<u>d</u> /	116 14 6 0	د و لا	casing at top. Screen at bottom. Owner re-
				<u> </u>		ported water in sand, 62 to 68 feet.
65	عين	316	d/	C,G,	Ind	727 feet steel easing at top. Screen at bot-
				25		tom. Yard superintendent reported water in
						sand, 725 to 747 feet. See log.
69	1.7	40.6	Dec. 10,	2,H	D,S	Dug well. 54 feet vitrified clay casing at
			1936			top. Owner reported water in sand, 54 to 59
74	1	36.5	d/	C,W,H	D,S,I	68 feet steel casing at top. Screen feet.
						at bottom. Tenant reported water in sand,
						68 to 73 feet. Irrigates garden.
76		46.4	Feb. 25,	C.W.H	D,S	Dug well. 87 feet steel casing at top in-
			1937	0 , 11 , 22	2,0	side wood casing. Screen at bottom. Owner
			1001			roported water in gravel, 37 to 97 feet.
77	1	34	do•	C,G,5	D,S	Dug well. 56 feet rock casing. Owner re-
11	,L	2=	αυ•	ن و ی و ی	تاولا	
		- CO -	70.7			ported water in sand, 56 to 65 feet.
78]	62.5	Feb. 18,	3,11	D,S	Dug well. 71 feet vitrified clay casing at
-			1937			top. Owner reported water in sand and gravel,
79	0.7	60	₫/	C • W	D,S	64 feet steel casing at top. 71 to 87 feet.
						Screen at bottom. Owner reported water in
80	0.7	21.5	Feb. 17,	C,H	D,S	24 feet steel casing at sand, 64 to 68 feet.
			1937			top. Owner reported water in sand, 24 to 28
82	0.2	77.5	Feb. 16,	C,W,H	D,S	149 feet steel casing at top. Screen feet,
			1937			at bottom. Owner reported water in gravel,
84	1.3	25.5	do•	C,ñ	D,S	Dug well. 42 feet wood 149 to 157 feet.
						casing at top. Owner reported water in sand,
85	0.3	24	ď/	C ,W	D,S	42 feet steel casing at top. 42 to 48 feet.
	_				_ ,~	Screen at bottom. Owner reported water in
						sand and gravel, 37 to 42 feet.
86	1	33.7	Feb. 15,	C,ii	D,S	35 feet steel easing at top. Screen at bot-
00	,d-	~~*	1937	يدو ت	ي و س	ton. Owner reported water in sand, 35 to 40
87	2	31.3		В,Н	D,S	
01	W	0.40	1937	בנע	ودر	Dug well. 30 feet wood casing at top. feet.
- 00	ar design, management, sp. Management	0-7			- 	Owner reported water in sand, 30 to 38 feet.
88		87	₫/	С,Н	D,S	190 feet steel easing at top. Screen at bot-
						tom. Water reported in sand, 190 to 195
89		61	<u>d</u> /	C,W,H	D,S	79 feet steel casing at top. Screen feet.
						at bottom. Water reported in sand, 79 to 95
91		35	ď/	C,W,H	D,S	94 feet steel casing at top. Screen foct.
						at bottom. Owner reported water in sand, 94
92	0.5	42.4	Feb. 16,	C,W,H	D,S	Dug well. 46 feet brick casing to 100 feet.
			1937		, -	at top. Owner reported water in sand, 46 to
93	1	41.9	Feb. 18,	C.W.H	D,S	113 feet steel casing at top. 57 feet.
	_		1937	~ y . = g . i .	٠,٠	Screen at bottom. Owner reported water in
			2001			sand, 110 to 117 feet.
94	1	76		C,G,5	D,S	
J.#		10	<u>d</u> /	ان و تا و ن	ا ۵و لا	135 feet steel casing at top. Screen at bot-
		L				tom. Owner reported water in sand and gra-
						vel, 135 to 145 feet.
						•

Records of wells in Austia County--Continued

		Records o	of wells in Au	istin County-	-continue	e a.			
				, , , , , , , , , , , , , , , , , , ,		.		T) d-)-	70:
110.	Distance	Survey	Owner	Driller	Topo-	Date	1	Depth	ŧ
-	from				graphic		pera-	of	eter
	Bellville				situ-	ple-		well	of
					ation	ted	(°F•)	(ft.)	well
	-							L	(in.)
95	$4\frac{3}{4}$ miles	Lewis	Nat Smith	Nat Smith	Ridge-	1929	72	26	12
	southeast	Kincheloe			top				
96	4 miles	do.	Wm. Waak		Hilltop	1869	76	22	48
	southeast						1		
e/ 97	At Bell-	John Hichols	City of	J. W.	do.	1936		1,742	10
 -	ville		Bellville	Jackson			! !		
e/ 98	do.	do.	do.	do.	do.	1928	66	786	10
كبيه									
99	2 miles	do.	Herman	Edgar		1920	66	52	12
	north	_	Woehst	Loehst					
1.00	$3\frac{3}{4}$ miles	Arthur Lott	Mrs. Lula		Hilltop	1935	69	98	3
	north		Russ		1			1]
e/103	5g miles	David	Mrs. S.	George	Hill-	1925	71	42	33
27 200	northwest	Chandler	Sanders	banders	side	2020	'-		
704	6 miles	do.	do.		Valley	1891	65	79	18
101	northwest	4.04	40•		Validy	1001		'	1
a/105	7 miles	do.	G. C. Harris	Malter E.		1932	57	216	6
6/100	northwest	uo •	G. C. Harris	Rinn]	1302	31	210	
107	72 miles		D II Tabo	R. J. Luhn			59	132	3
701		do∙	R. H. Luhn	TO DO PRINT			33	TOE	
100	northwest				\	7000	70	30	70
TOR	8 miles	do.	Herman		Hill-	1903	72	30	30
	north		Pfeffer		side		 .	<u></u>	
TO9	9 miles	S. Y. Reams	Emil Fenner	Emil Fenner		1914	72	32	24
	northwest							<u> </u>	
113	105 miles	James Cooper	W. C. Weiss				66	44	34
	northwest					}	1		
							<u> </u>		
114	83 miles	James	H. L. Reese		Hilltop	1902	73	48	46
	north	Stephenson			<u> </u>		<u> </u>	L	
115	7 miles	ರೆಂ∙	Elizabeth		do.	1893	73	40	30
	north		Bergers						
116	75 miles	do∙	Fritz Kramer		Hill-	1919	71	33	30
	north				side	1			
							1	<u></u>	
117	4을 miles	:/illis	C. E. Hell-		do.	1910	72	76	3
	north	utanley	muth Estate						
118	6 miles	James	Beattie	F. Nolte	Hilltop	1922	71	52	10
	northeast	Cochrane	Sloan		-				
119	63 miles	do.	.J. O.			1877	77	22	12
	northeast		Hammack		1				
122	5g miles	imasa Ives	Brandt-Lude-	Emil Brandt	m=	1919	65	69	4
	nor theast		meyer Gin		•				
123	do.	do.	Emil Brandt			1886	68	29	36
ļ					i i				
					1	1			1
124	5 miles	do.	Henry	Henry		1904	70	24	36
	northeast	~~ J	Froelich	Bartay		1.00	1.0	~ -	1 30
125	44 miles	do.	Ed. Kaecheie	will Smith	ļ <u></u> -	<u> </u>	 7 0	37	12
	northeast	40.	Lat haconore	NEAR WHILE OIL			1'	1 01	1 40
128	4 miles	do∙	Willie		 	1916	71	86	3
120	east	40.	Sontag			1270	1.1	00	٥
750	3 miles	Jemes P.	Emil Frank		 	1918	73	27	12
T & /!		Stephenson				1310	10	61	1.0
	mor micas (ore merison		'a a a a arangramprantan	l	1	J	1	

R. E. May, Project Superintendent

				E. May	, Proje	ect Superintendent
	Height of		Level			
No•	measuring	1	Date of	Pump	Use	Remarks
	point	below	measure-	and	of	
į	above	measui	r- ment	power	water	
	ground	ing po	oint	<u>b</u> /	<u> </u>	
	(ft.) a/	(ft.)				
95	2.5	21.4	Feb. 24,	В,Н	D	Dug well. 20 feet wood casing at top. Own-
			1937			er reported water in sand, 20 to 26 feet.
96	2.4	17.4	do.	B,H	D,S	Dug well. 18 feet brick casing at top.
						Owner reported water in sand, 18 to 22 feet.
97				None	N	736 feet steel casing at top. Reported
				_, .		"dry" hole. See log.
98	1.2	310	ď/	T,E,	P	See log.
				15		Ŭ
99	1.5	44.4	Feb. 25,	В,Н	D	46 feet wood casing at top. Owner reported
			1937		-	water in sand, 45 to 52 feet.
100	0.2	37.4	Har. 1,	C,W,H	D,S	93 feet steel casing at top. Screen at bot-
			1937	,,	_,_	tom. Owner reported water in sand and gra-
103	0.4	14.7	Jan. 13,	В,Н	D,S	Dug well. 35 feet wood vel, 92 to 98 feet.
100	0.1		1937	حدو ت	2,5	casing at top. Owner reported water in sand,
104	2	24.2	I	C,W,H	D,S	Vitrified clay easing. Owner 35 to 41 feet.
10-	~	D 2.0	40.	0 9 11 9 11	230	reported water in sand, 64 to 78 fect.
105	0.3	67.8	Jan. 12,	C,W,H	D,S	194 feet steel easing at top. Screen at bot-
100	0.0	01.0	1937	1161160	ر المراكز الم	tom. Owner reported water in sand, 194 to
107	1	81.5	1	C,-,-	D,S,	127 feet steel casing at top. 132 feet.
101	Τ.	01.0	ao,	-,-,	Ind	Screen at bottom. Owner reported water in
108	 	16 2	Mar. 3,	В,Н	D _s S	Dug well. Vitrified sand, 127 to 132 feet.
700	<u></u>	10.2	1937	II.C	בו פע	clay casing at top. Owner reported water in
109	3	27.4	1	C,W	75 (1)	
109	5	21.4	αο•	0,17	D,S	Dug well. 29 feet con sand, 26 to 30 feet.
777		7/-0	700 3.7			crete casing at top. Owner reported water
113	0.6	14+0	Jan. 13,	В•Н	D,S	Dug well. 36 feet in sand, 29 to 33 feet.
			1937			rock casing at top. Owner reported water in
33.2						sand, 36 to 43 feet. Located inside store
114	1.5	27	<u>d</u> /	C,W,H	D,S	Dug well. 44 feet brick casing at building.
						top. Owner reported water in sand, 44 to 50
115	1	17.4	lar. 3,	Colle	D,S,I	Dug well. 30 feet concrete casing in-feet.
-			1937			side rock casing. Owner reported water in
116	3	26.2	Mar. 2,	В,Н	D,S	Dug well. 29 feet vit- sand, 30 to 41 feet.
			1937			rified clay casing at top. Owner reported
		-				water in sand, 29 to 33 feet.
117	1	64	d/	C,H	D,S	Dug well. 70 feet steel casing at top.
-						Screen at bottom. Water reported in sand,
118	1.4	45.4	Mar. 1,	В,Н	D,S	Dug well. 50 feet wood cas- 70 to 76 feet.
- 4000			1937		<u> </u>	ing at top. Water reported in sand, 46 to
119	1	13.7	do•	C,H	D,S	Dug well. 17 feet wood casing at 52 feet.
						top. Owner reported water in sand, 17 to 22
122	1	21	d/	C,-,-	Ind	58 feet galvanized iron easing at top. feet.
				<u></u>		Screen at bottom. Driller reported water in
123	1.2	21.3	Jan. 4,	Covi	D,S	Dug well. 21 feet sand, 58 to 60 feet.
			1937			brick easing at top. Owner reported water
				-		in sand, 21 to 29 feet.
124	3	21.3	do.	C,W	D,S	Dug well. 22 feet concrete casing at top.
	-					Owner reported water in sand, 21 to 24 feet.
125	1.5	19	do.	C,H	D,S	Dug woll. 32 feet wood casing at top. Own-
=						er reported water in sand, 32 to 37 feet.
126	0.3	47	ď/	C,H	D,S	80 feet steel casing at top. Screen at bot-
				- ,	-,~	tom. Owner reported water in sand and gra-
127		3.8	Feb. 23,	в,н	D,S	Dug well. 12 feet wood vel, 80 to 86 feet.
_~.			1937	1	-,0	casing at top. Owner reported water in sand,
-	<u></u>		122		L 1	14 to 26 feet.
						1 TE 00 TO 1660.

Records of wells in Austin County--Continued

******	T	7	OI WELLS IN A						
No.	Distance from Bellville	նurvey	Owner	Driller	Topo- graphic situ- ation	com- ple- ted	ture (°F•)	of well (ft.)	Diam- eter of well (in.)
130	3 miles northeast	James P. Stephenson	F. F. Graff	49, 149		1912	62	46	4
132	3 miles east	do.	Edmund Frank	ony sub	349 ein	1922	62	52	3
134	do.	do.	A. E. Newis	and the state of t	Hilltop	1871	73	27	30
135	$\frac{4\frac{1}{4}}{4}$ miles	Thomas Bell	J. E. Henrichsen	John Henrichsen		1915	75	38	12
e/136	7 miles northeast	do∙	P. A. McClinton	Deering & Kayser		*****		4,864	
137	4 miles east	do.	Nathan Harvey	Nathan Harvey	Hill- side	1925	78	17	36
138	5 miles east	do.	C. L. Hoff	C. M. Hoff		1913	71	49	3
139	do.	Thomas Boatright	Emma Hagen	Emil Syer	pp	1904	72	120	3
140	5급 niles east	do.	Ben Peters			~~	73	69	12
141	65 miles east	do.	J. H. Bishop	Marie Control	Hilltop	1907	70	120	3
e/142	7克 miles east	do∙	Herman Ilueller	Emil Syer		1936		148	6
143	do.	do∙	C. R. Brandes	-	add and	1891		24	40
	8 miles east	.Villiam C. .White	H. H. Belcher	800 tvn		1912	63	3 6	4
145	82 miles east	do∙	Humble Oil & Ref. Co.	Humble Oil & Ref. Co.	** ***	1929	66	310	6-5/8
146	do∙	do∙	do.	E. H. Wayne		1930	74	465	
e/147	9½ miles east	do.	R. E. Zieske	Humble Oil & Ref. Co.		1933	73	2,212	10
148	9 miles northeast	William Smeathers	Humble Oil & Ref. Co.	do•		1928	62	1,228	
149	10 miles northeast	do•	William Lange	Joe Vacek	River	1905	63	67	36
e/150	do∙	do•	Herbert Lischke	100 000	do.	1890	62	66	6
152	73 miles northeast	Mathew R. Lillians	E. B. Wilson			1917	65	52	3
e/154	8 miles northeast	do∙	Sarah E. Hellmuth		•	1927	65	56	3

R. E. May, Project Superintendent

				. May,	Proje	ect Superintendent
	Height of	Water	r Level			,
No.	measuring	Depth	Date of	Pump	Use	Remarks
	point	i 1	measure-	:	of	
	-	measu			water	
	1	1			,	
	ground (ft.) <u>a</u> /	ing po	oint	<u>b</u> /	<u>°</u> /	
130	1	19	d/	C,H	D,S	40 fect steel casing at top. Screen at bot-
\						tom. Tenant reported water in sand, 40 to
132	2	18	ď/	С,H	D,S	40 feet galvanized casing at top. 46 feet.
						Water reported in sand, 42 to 48 feet.
134	2	19.4	Feb. 18,	C,W,H	D,S	Dug well. 20 feet concrete casing at top.
			1937		_	Owner reported water in sand, 21 to 27 feet.
135	1.5	31.3	Feb. 24,	В,Н	D	Dug well. 32 feet vitrified clay casing at
200	1.0	01.0	1937	ئدو ت		top. Owner reported water in sand, 32 to 38
170				37	N	
136				None	174	Oil test. See log. feet.
137	1.7	3-5	Feb. 24,	B,H	D,S	Dug well. 12 feet concrete casing at top.
±01			1937		-,-	Owner reported water in sand, 12 to 17 feet.
170	0.3	97.0		C 387 77	70 0	
138	0.5	20.9	Feb. 23,	C,W,H	D,S	46 feet steel casing at top. Screen at bot-
			1937		<u> </u>	tom. Owner reported water in sand, 45 to 49
139	0.5	43	d/	C,W,H	D,S	110 feet steel casing at top. Screen feet.
			_			at bottom. Owner reported water in sand,
140	3	54.2	Feb. 23,	В,Н	D,S	Dug well. 60 feet wood 107 to 120 feet.
			1937			casing at top. Owner reported water in sand,
141	1	63	L	C,W	D,S	110 feet steel casing at top. 60 to 69 feet.
エエエ		00	<u>d</u> /	۱۱۱و ب	دو لا	
7.70						Screen at bottom. Owner reported water in
142	0.2	62	₫/	C,-,-	S, Ind	140 feet steel casing sand, 110 to 120 feet.
						at top. Screen at bottom. Water reported
						in sandy gravel, 140 to 148 feet.
143	2.5	17.5	Feb. 19,	В,Н	D,S	Dug well. 18 feet brick casing at top.
			1937			Owner reported water in sand, 19 to 23 feet.
144	1	16.2	Jan. 6,	C,W	D,S	Steel casing. Formerly supplied two 125-
			1937		-,-	horsepower boilers.
145		Tri cruc	Jan. 8,	T,E,	D	263 fect of 24-pound steel casing at top.
140		L TONS.			ν I	
			1937	10		Screen at bottom. Water reported in sand,
******						263 to 310 feet. Estimated flow, 75 gallons
146	0.2	16.5	Jan. 6,	T,E,	Ind	260 feet of 153-inch casing; 133 a minute.
			1937	15		feet of 10-inch casing; 1952 feet of 8-inch
						casing; screen and back pressure valves.
147		Flows		None	N	1,212 fect steel easing. Measured flow, 12
					*	gallons a minute.
148		Flores	Jan. 7,		D,I	39 feet of 102-inch casing; 918 feet of 6-5/8-
ナエロ		TTOMR			ا دو ا	on 1000 of 10%-thou castual 200 1000 of 9-9/0-
			1937			inch casing; 384 feet of 4 inch casing.
					<u> </u>	Estimated flow, 10 gallons a minute.
149	3	22.4	Jan. 5,	C,G,3	D,S	Dug well. 56 feet concrete casing at top.
			1937			Owner reported water in sand, 56 to 67 feet.
150	1.2	23.4	do•	C,-,-	Ind	57 foot steel casing at top. Screen at bot-
						tom. Water reported in sand, 57 to 63 feet.
1 50	0.5	- O7		A 777		Pumpod by Diesol engine. Located at gin.
152	0.5	21	<u>d</u> /	C,W	D	44 feet steel easing at top. Screen at bot-
		· 				tom. Water reported in sand, 44 to 52 feet.
154	0•4	19.1	Jan. 5,	C,W	D,S	49 feet steel easing at top. Screen at bot-
			1937			tom. Tonant reported water in sand, 49 to 56
]	feet. Old well 50 feet north of this well.
					لسسسم	And the contract of the contra

		Records o	of wells in Au	stin County-	-Continue	d			
No.	Distance from Sealy	from		Driller	Topo- graphic situ- ation	ple- ted	pera- ture (^o F•)	well (ft.)	eter of well (in.)
201	ll miles west	H.& T.C.R.R.	Emma Dittert	Malter E. Rinn	River bottoms	1924	67	89	3
203	ll miles west	do.	Ed. Schultz	Ed. Schultz	Hill- side	1909	67	83	3
204	10; miles northwest	•	Mary Batla	Ed. Hess	*** es	1913	71	96	4
205	9 miles northwest	do.	Tom Eckelberg	Otto Ohle		1925	71	118	4
206		H.& T.C.R.R.	Otto Hill	Froebel		1916	76	32	12
207	10 miles west	do•	Chas. Kretzschmar		Hilltop	1893	69	62	36
208	$7\frac{1}{2}$ miles west	do.	Chas. Zachas	ga 445		1904	70	95	4
209	62 miles west	do.	Adolph Drab	pa en	Hilltop	1906	69	66	4
210	52 miles west	do•	J. C. Oldag			1918	71	84	12
e/211	7 miles northwest	Benj. L. Cheek	Fritz Bresig	and the second s	Bottoms		70	57	36
e/213	43 miles north	James Cum- mins' Hacien		Will Smith	Hilltop	1916	67	91	3
214	5	do.	Chas. Schroeder	Mr. 40 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	45 64	1894	74	60	36
218	35 miles northwest	H.& T.C.R.R.	Fritz Sens			1912	69	46	24
221	24 miles north	Stephen F. Austin	Frank Jurica	Frank Eckleberg		1918	69	86	5
222	34 miles northeast	do∙	John Maler	John Maler	tes	1934	71	56	2
223	3 miles northeast	do∙	Ben E. Albert	Sam Bassett		1920	71	6 6	2
225	22 miles west	H.& T.C.R.R.	Horace Clark		Hilltop		70	87	3
-226	l mile west	do•	Anna Timme	spir and		1894	71	83	12
227	意 mile west	R. S. Teel	Herman Buchtien	Ferdinand Lux	-	1915		56	6
228	a nile northwest	San Felipe de Austin	Community Pub. Ser. Co.	Layne-Texas Co.		1930	67	304	10
230	2 miles northeast	do•	W. M. Remmert			1894	69	89	6
e/231	3 miles northeast	do.	Ben Thomas			1916	72	61	6
232	l miles northeast	do.	T. O. Schaare		Hilltop	1904	69	107	3
o / No	e gumine so	in ree namel	ly top of cast	ne ton of n	lunn hage		ton of	7.00 1 1	ou wh

a/ Measuring point was usually top of casing, top of pump base, or top of well curb.

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

			R• 1	E. May	, Proje	ect Superintendent
	Height of		Level			And the state of t
No.	measuring				Use	Remarks
	point	1	measure-		of	
		measu		Tower		
	ground (ft.) <u>a</u> /	ing po (ft.)		Ď/	<u>o</u> /	
201	1	51.4	Jan. 31, 1937	C,W,H	D,S	85 feet galvanized iron casing at top. Screen at bottom. Water reported in sand, 85
203	1	42.4		C,W,H	D,S,I	79 feet galvanized iron casing to 89 feet.
						at top. Screen at bottom. Owner reported water in sand, 79 to 83 feet. Irrigates gar-
204		64.8	Jan. 30, 1937	C,W	D,S	90 feet steel casing at top. Screen at den. bottom. Water reported in sand, 90 to 96
205	=-	72	do•	C,W,H	D,S	112 feet steel casing at top. Screen feet. at bottom. Water reported in sand, 112 to
206	1.2	23.8	Jan. 31, 1937	C,W,E	D,S	Dug well. 26 feet concrete casing 118 feet. at top. Water reported in sand, 26 to 32
207	an an	34.4	do.	B,E	D,S	Dug well. 59 feet brick casing at feet.
				2,12		top. Water reported in sand, 59 to 62 feet.
208	1	63.7	do•	C,W,H	D,S	89 foct steel casing at top. Screen at bot- tom. Owner reported water in sand, 89 to 95
209	an 101	36.5	do•	C,W,H	D,S	60 feet steel casing at top. Screen feet. at bottom. Owner reported water in sand, 60
210	1	65	<u>d</u> /	C,W,H	D,S	78 feet concrete casing at top. to 66 feet.
~=0	_		/	0,,	-,-	Owner reported water in sand, 78 to 84 feet.
211	2.4	38.5	Dec. 11, 1936	B₊E	D,S	Dug well. 52 feet stone casing at top. Owner reported water in sand, 52 to 57 feet.
213	0.5	62	do.	C,W,H	D,S	87 feet galvanized iron casing at top.
214	1.5	42.3	Jan. 15,	C,W,H	D,S	Screen at bottom. Water reported in sand Dug well. 48 and gravel, 86 to 91 feet.
			1937			feet brick casing at top. Owner reported
218	2	36.1	Dec. 17, 1936	C,W	D,S	Dug well. water in sand, 49 to 59 feet. Concrete casing.
221	1	41	₫/	C,II	D,S	86 feet steel casing, bottom joint perforated. Owner reported water in sand, 75 to
222	2	38.4	Feb. 3, 1937	C,H	D,S	51 feet galvanized iron casing at 86 feet. top. Screen at bottom. Owner reported water in sand, 51 to 56 feet.
223	2	39.2	Jan. 29,	C,H	D,S	61 feet galvanized iron casing at top.
	_		1937	0 311		Screen at bottom. Owner reported water in sand, 61 to 65 feet.
225	0.5	44	<u>d/</u>	C,H,W	D,S	Dug well. 83 feet steel casing at top.
						Screen at bottom. Tenant reported water in
226	1	56.3	Jan. 26, 1937	C,N	D,S	Dug well. 78 feet wood sand, 83 to 87 feet. casing at top. Owner reported water in sand,
227	m4 #4	40	₫/	C.W.&	D,S	50 feet wrought iron casing 78 to 84 feet.
228	0.5	00 3	Dec. 17,	$0.3\frac{1}{2}$	P	set on hard rock. Owner reported water in
440	0.5	02.0	1936	T,E, 15	F	See log. sand, 50 to 56 feet.
		G3.1	Jan. 8,	10		
230	0.7	49	1937 d/	C,W,H	D,S	35 feet steel casing at top. Screen at bot-
200			<u> </u>	للسو و و و	,	tom. Owner reported water in sand.
231	1.8	47.4	Jan. 29,	Б,Н	D,S	54 feet steel casing set on rock. Owner re-
			1937			ported water in sand, 54 to 61 feet.
232	1	53	<u>d</u> /	C,W,H	D,S,I	99 feet steel casing at top. Screen at bot- tom. Owner reported water in gravel, 99 to
0/1	domoati		mad model	- To 3	1 3 7 7 1 1	107 feet.

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

d/ Water level reported.
e/ No water sample collected for analysis.

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Records of wells in Austin County--Continued

		, records	or Meris III W	istin County-	-concinu				
No.	Distance from Sealy	Survey	Owner	Driller	Topo- graphic situ- ation	com-	Tem- pera- ture (°F•)	Depth of well (ft.)	Diam- eter of well (in.)
233	$\frac{1\frac{3}{4}}{2}$ miles east	San Felipe de Austin	Ed. Anderson		Hilltop	1921	73	75	8
234	l ż miles east	do.	Fritz Spren	Tom Echleberg		1923	68	102	6
236	$2\frac{1}{4}$ miles south	do.	H. G. Clark	H. G. Clark		1876	61	66	4
238	3 miles south	do.	Z. Novick	gar apr		1905	69	51	10
239	4 miles southwest	do.	Wm. Satler			1917	69	74	12
240	6호 miles southwest	do.	John Zahradnick			1907	68	47	10
241	6 miles south	do•	Joachin Hinze	Ferdinand Luchs		1917	68	46	4
244	$\frac{4^{3}}{4}$ miles south	Chas. F. Hachmehl	Mary Sodolak	Tom Eckleberg	,	1935	68	57	3
246	6 miles south	Miles N. Allen	Jos. Taska	Frank Eckleberg		1920	61	68	4
e/248	8 miles south	R. H. Hoore	Chas. Habermacher	do∙		1921	68	86	3
251	8g miles south	Antonio Mancha	Ben Stern	Vince Gallie		1935	61	92	2
252	do•	do.	M. N. Allen	- Africano constituire de la c		1874	68	57	12
e/253	7호 miles southeast	do.	Philip Witte	Chas. Hahler			68	62	4
254	95 miles south	C. C. D. Co.	C. Kaechele	Frank Eckleberg		1916	63	63	4
255	10 miles south	îrs. Jesse Boykin	Alfred Barta	Alfred Barta		1890		85	2
257	113 miles south		F. Parma	indra direction distribution of the second section of the second sec		1916	67	97	3
258	13 miles south	do•	J. Korcak	Chas. Mahler		1918	70	97	3
259	12; miles south	do∙	Joe Vasicek	Jim Galea		1916	69	102	2
⊖/260	12 miles southeast	do•	John Klecha	Chas. Mahler		1921	68	98	3
261	10; miles south	do∙	I. Minks	Bowman		1920		96	4
e/262	ll; miles southeast	do∙	Louis 7. Peters	enter esta de la companya del companya de la companya del companya de la companya del la companya de la company		1924	68	104	3
<u>e/263</u>	do.	do•	Frank Barta	Chas. Hahler		1916	69	98	3
e/264	12 miles southeast	do•	W. G. J. Engelking	do∙	-	1933	67	92	3

R. E. May, Project Superintendent

				I. Hay	, Proje	ect Superintendent
	Height of	e.ter	Lovel	1		
	measuring			Pump	Use	Remarks
	point		measure-	and	of	
1	above	measu	1	1	water	
l	ground	ing po		, ,		
	(ft.) a/	(ft.)		<u>p</u> /	<u>c</u> /	
077		52 7	Jan. 28,	B,H	D,S	64 feet galvanized iron casing at top set on
233	1.2	36.41	i .	Den	دو لا	
			1937			rock. Tenant reported water in sand, 64 to
						74 feet. Hearly fails in drought.
234	en	56.4	do•	C,W,H	D,S	98 feet steel casing at top. Screen at bot-
1			į			tom. Owner reported water in gravel, 98 to
236	1.2	20	Jan. 8,	C,W	D,S	54 feet steel easing at top. 102 feet.
			1937			Screen at bottom. Owner reported water in
238	0.5	44.2	Feb. 21,	B,II	D,S	50 feet concreto pipe sand, 54 to 65 feet.
	• • •		1937	- ,	-,-	at top. Owner reported water in sand, 50 to
239		49.7	Mar. 18,	C,W,H	D,S	Dug well. 70 feet wood casing at 52 feet.
200		#30 t	1937	اللو ۱۷ و ت	טפע	top. Water reported in sand, 69 to 74 feet,
646		000	<u> </u>	A 417 57		
240	1	27.2	do•	C,W,H	D,S	47 feet wood casing at top, bottom 2 feet
-						perforated. Owner reported water in sand.
241	1	20.6	do.	C,W,H	D,S	42 feet galvanized iron casing at top.
						Screen at bottom. Owner reported water in
						sand, 42 to 47 fect.
244	1	32.4	Jan. 14,	C.W.H	D,S	49 feet steel casing at top. Screen at bot-
			1937			tom. Owner reported water in sand, 49 to 57
246		36	Jan. 18,	CWE	D,S	60 feet steel casing at top. Brass feet.
2-20		50	1937	0,11,11	υ,υ	screen at bottom. Water reported in sand,
248		41	L	A 717 TT	D 0	
243	1	41	<u>d</u> /	C,W,H	D,S	82 feet galvanized iron cas- 63 to 68 feet.
						ing at top. Screen at bottom. Owner re-
		-				ported water in sand, 82 to 87 feet.
251		48.6	Jan. 18,	C,W	D,S	88 feet steel casing at top. Screen at bot-
			1937			tom. Owner reported water in sand, 88 to 92
						feet. Well 54 feet deep nearby.
252	2	26.7	do.	C,W	D,S	50 feet vitrified clay casing at top. Owner
					·	reported water in sand, 50 to 56 feet.
253	1.4	31.7	Dec. 18,	C,W	D,S	58 feet galvanized iron casing. Screen at
			1936		-,.	bottom. Owner reported water in sand, 55 to
254		29.4		ट स १	D S T	52 feet casing. Screen at bottom. 62 feet.
201	-	200	1937		υ ο ο ο 1	
255		41		G,3		Water reported in sand, 52 to 63 feet.
255	1	41	<u>d</u> /	C,W	D,S	76 feet steel casing at top. Screen at bot-
						tom. Owner reported water in sand.
257	0.4	51	<u>d</u> /	C,H	D,S,I	93 feet steel casing at top. Screen at bot-
						tom. Owner reported water in sandy gravel,
258	1	48.7	Jan. 26,	C,W,H	D,S	93 feet steel casing at top. 92 to 98 feet.
			1937			Screen at bottom. Tenant reported water in
						gravel, 93 to 97 feet.
259	1	46	d/	C,W,H	D,S	96 feet steel casing at top. Screen at bot-
.,			/	0) () 1.1	2,0	tom. Owner reported water in gravel, 96 to
260	0.4	46		C,W,H	D,S	94 feet steel casing at top. 102 feet.
200	0.1	TO	<u>d</u> /	مدو ۱۷ و 🔾	در لا	
į						Screen at bottom. Tenant reported water in
						sandy gravel, 94 to 99 feet.
261		43	<u>d</u> /	C,W	D,S	Galvanized iron casing. Owner reported
						water in gravel, 90 to 96 feet.
262	0.2	52	d/	C,W,H	D,S	96 feet steel casing at top. Screen at bot-
						tom. Owner reported water in sand, 96 to
263	0.7	43.8	Jan. 21,	C.W.H	D,S	94 feet steel casing at top. 104 feet.
			1937		-,~	Screen at bottom. Owner reported water in
	1					gravel, 94 to 98 feet.
264	0.2	72 6	Tan 20	C 77 -	<u> </u>	
& O4±	0.2	#50 € Q	Jan. 20,	Ze de	D,S	84 feet steel casing at top. Screen at bot-
			1937		Li	tom. Owner reported water in sand, 84 to 92
						feet.

		records	or Merre III W	rectif comich.	COHOTHUE	- 			
No.	Distance from Sealy	Survey	Owner	Driller	Topo- graphic situ- ation	com-	Tem- pera- ture (°F•)	Depth of well (ft.)	eter of well (in.)
e/265		Jacob	Wallis Water	Chas.	par um	1922	67	125	3
	southeast		Jorks	Hovosad			! 		
<u>e</u> /266	12章 miles southeast	David Shelby, et al.	Henry Toellner	Chas. Boelman		1887	69	102	3
<u>e/267</u>	southeast	do.	H. A. Crigar	Market and the second s		1915	69	109	3
e/268	13 miles southeast	do∙	Louis Sprain	est to	Bottoms	01 d	71	38	30
e/269	lly miles southeast	D.H. Hilburn & Thomas Davis	Ellen Scrogan	Chas. Hahler	do.	1922	63	87	3
e/270	ll miles southeast	do.	C. H. Waddell	do•	do.	1931	69	79	3
e/271	southeast		J. J. Jahnston	and was		Old		48	36
<u>e</u> /272	southeast	Robert M. Richardson	K. Zaruba	gud 20-0	gar 44	1914	69	50	36
e/273	southeast	John Little	Herman Habermacher	Chas. Hahler	Bottoms	1925	70	83	4
	$\frac{4^{3}}{2}$ miles southeast	John P. Borden	Johana Zapolka	pa. set	u-b 600	1886	68	64	30
275	4方 miles southeast	do.	John Buchala, Sr.	AND AND	-	1905	68	90	36
e/276	53 miles east	Stephen F. Austin	Mike Belunck	Ferdinand Luchs		1934	67	62	12

east Austin Belunck Luchs

a/ Measuring point was usually top of casing, top of pump base, or top of well curb.

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

R. E. May. Project Superintendent

	R. E. May, Project Superintendent					
	Height of	ate	r Level			
No.	measuring	Depth	Date of	Pump	Use	Remarks
	point	below	measure-	and	of	
	above	measu:	r- nent	power	water	
	ground	ing p		b/	<u>o</u> /	
		(ft.)				
265	0.3	40.5	Jan. 20,		P	121 feet steel casing at top. Screen at bot-
		}	1957	2 1		tom. Later reported in sand, 121 to 125
266		36.4	do.	C,W,H	D,S	98 feet steel casing at top. Screen feet.
						at bottom. Water reported in sandy gravel,
						98 to 102 feet. Unused well 64 feet deep is
						located 50 feet east.
267	0.45	53.5	Jan. 21,	C,T,H	D,S	101 feet steel casing at top. Screen at bot-
			1937			tom. Cwner reported water in gravel, 101 to
268	0.8	22.5	Dec. 12,	В,Н	D,S	Dug well. 32 feet vitrified clay 110 feet.
			1936			casing at top. Sand trap at bottom. Nater
						reported in sand, 32 to 40 feet.
269	1.7	52	đ/	C,W,H	D,S	83 feet galvanized iron casing at top.
						Screen at bottom. Tenant reported water in
						sand, 82 to 88 feet.
270	1	50	d/	C,H	Ş	75 feet steel casing at top. Screen at bct-
						tom. Owner reported water in sand, 74 to 80
271		23.7		В,Н	S	Dug well. Stone casing. Owner re- feet.
			1936			ported water in sand.
272	1.3	28.4	• 1	C,H	D,S	Dug well. 46 feet concrete casing at top.
			1936			Owner reported water in sand, 44 to 50 feet.
273	2	62	d/	C , I	D,S	79 feet steel casing at top. Screen at bot-
						tom. Owner reported water in sandy gravel,
274	0.2	42	<u>d</u> /	C.W.H	D,S	Dug well. 60 feet vitrified 78 to 85 feet.
-		l l	_			clay casing at top. Owner reported water in
275		68.9	Liar. 24,	C,G,-	D,S,	Dug well. 88 feet sand, 60 to 65 feet.
			1937		Ind	brick casing, square, at top. Water report-
				-		ed in sand, 88 to 96 feet.
276		46.4	do.	C,W,H	D,S	Dug well; 60 feet concrete casing at top.
****					<u> </u>	Water reported in sand, 60 to 63 feet.

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

Thicknes	s Depth	Thickness	Depth
(feet)		(feet)_	(feet)
Desillanta la est Wall	5	Driller's log of Well 5Cont	inued
Driller's log of Well L. Fitzsinmons, F. W. Schuerer		Sand rock2	118
tate #1. 15 miles northwest of E		1 4	1210
Surface materials 10	10	Hard lime rock 2	
	21	1)	1212
,	37	Shale and boulders 4	1216
Jater sand 16	52	Hard lime rock 4	1820
Hard sandy lime 15	22	Hard lime and gumbo	
Thite, gray, and red sandy	-	streaks 11	1231
shale29	81	Hard rock, streaks of	
Mard packed sand, water 23	104	lime, sand, and pyrite- 12	1243
Shale and lime rock 45	149	Shale3	1246
Shale and boulders 10	159	Hard sand, lime, and py-	
Shale 15	174	rite 10	1256
Slue sand rock 1	175	Gumbo4	1260
Blue gumbo 6	181	Lime rock 4	1264
Porous broken lime 6	187	Gumbo 35	1299
Water sand 6	193	Lime rock and pyrite 2	1301
Shale and boulders 8	201	Blue gumbo 17	1318
Mard sand rock1	202	Lime and pyrite 1	1319
Slue heaving shale 45	247	Gumbo4	1323
lue gumbo 12	259	Lime and pyritc 1	1324
Sand rock 12	271	Gumbo6	1330
Shale 8	279	Lime and pyrite 1	1331
Sand rock2	281	Gumbo17	1348
chale and boulders 63	344	Shale and boulders 16	1364
[ard sand rock 1	345	Gumbo	1374
[ard lime rock 35]	380	Crystalliferous lime 51	
Shale 20	400	Anhydrite 677	1425
Shale with lime streaks - 119	519	Salt	2102
Shale and boulders 101	620	TOTAL DEPTH	2102
Mare and boulders 101	020	TOTAL DEPTH	2102
streaks 53	673	Du/33 1 - 2 0 - 23 -	
rumbo with shale streaks - 61	734	Driller's log of well 1	
	741	Melloy-Knolle Oil Co., Chas. F. F	nolle
and, water7	801	#2. 15 miles west of Bellville.	
	301	Clay	40
[ard shale with lime	640	Red shale and sand 20	60
streaks 39	840	Water sand 23	83
fumbo6	846	Rock 7	90
ard shale and lignite 24	870	Red gumbo17	107
ard black rock 2	872	Shale and sand 10	127
umbo 4	876	Tight gumbo 13	140
and, flowing sulphur water- 11	887	Sand rock2	142
andy shale with lime streaks-45	932	Gumbo 58	200
[ard gumbo 30]	962	Red water sand 12	212
rown shale 6	968	Gumbo 26	238
rown gumbo 15	983	Hard send rock 2	240
hale and streaks of gumbo 54	1037.	Blue shale 40	280
ime rock2	1039	Gumbo 21	301
ard gumbo, shale, and streaks		Sand and boulders 11	312
of lime 73	1112	Hard gumbo 15	327
ard lime rock 6	1118	Broken shale and sand - 14	341
hale and gumbo 13	1131	Gumbo	349
	1140	Sand rock 3	
Singer		1	352
	11166 1	1 Winght hills growns 40 I	
ime and hard gumbo 26	1166	Tight blue gumbo 48	400
	1166 1170 1180	Tight blue gumbo 48 Blue shale 27 Gumbo 76	400 427 503

Thickn	10 5 5	Denth	Thickness	Dopth
		feet)	(feet)	(feet)
70-513-00- 20-50-75-31-34	One de			
Driller's log of Tell 14-	16	.nueu 51.9	Broken rock 20	ntinued 1550
Gumbo	18	53.7	Hard sand and shale 40	1580
Herd lime rock	5	539	Shale and lime shells 110	1700
Gumbo	72	611	Sticky shale 144	1844
Porous sand rock	14	625	Sand	1856
Senoy shale	37	662	Shale and boulders 57	1913
Gumbo and boulders	50	712	Hard shale 15	1928
Lime and gumbo	51	763	Sticky shale 60	1988
Gumbo	17	780	Hard lime4	1992
Send and shale	20	800	Sticky shale and lime - 114	2106
Herd gumbo	50 64	864	Hard shale and lime	2100
Rock	32	896	shells 66	2172
Gumbo	32 11	907	Sticky shale and bould-	≎1.7£
Shale	95	1002	ers214	2386
Gumbo	95 41	1043	Sticky shele and lime - 86	13472
Shale	41 18	1043	Hard shale and shell 22	2494
Hard sand rock	18 5	1061	Sand and shale 36	2530
Gumbo	5 15	1081	Sticky shale with lime	ಖರರು
Shele	33 13	1103	streaks 100	2630
Gumbo	93	1196	Sticky shale and lime 40	2670
Shale	3 3	1190	Hard shale 30	3700
Gumbo	27	1226	TOTAL DEPTH	4010
Sand, shale, and boulders-	9	1235	TOTAL DISTINGTON	2710
Gumbo	-	1343	Drill(r's log of well 6	5
Sh. 1e	9	1352	G. C. & S. F. R. R. Co., 13 miles	
Gumbo	•	1504	east of Bellville.	D DOCUII
TOTAL DEPTH	400	1504	Blue joint clay 16	16
		1 1001	White water send 31	47
Drillor's log of wel	1 23		Clay 2	49
Arkensas Fuel Oil Co., H. W.		ell	Corrse white sand 40	89
#1. 8 miles west of Bellvill			Clay 10	99
Surface materials	54	54	Coarse white sand 20	119
Broken rock and shale	30	74	Clay 25	144
Send	18	86	Gumbo6	150
Shale and shell rock	85	171	Sandstone1	151
Sand and gravel	91	262	Clay 7	158
Water sand	28	290	Fine send 3	161
Sticky shale	17	307	Sandstone4	165
Shele	48	355	Fine sand 5	170
Sand and gravel	195	550	Sandstone6	176
	3 05	855	Clay 5	181
Shale and boulders	20	875	Hard rock 1	182
Broken rock	40	915	Fine sand 10	192
Sand and shale	20	935	Sandstone1	193
Sticky shale	65	1000	Gumbo6	199
Shale and shells	118	1118	Rock2	201
Boulders and shells	92	1210	Gumbo2	203
Sticky shale	30	1230	Rock4	207
Shale and boulders	90	1320	Gumbo 5	212
	40	1360	Rock2	214
	39	1399	Hard shale 26	240
Sticky shele and lime	62	1/61	Tough gumbo 10	250
	4	1465	Rock2	252
	40	1505	Gumbo1	253
Sticky shεle	25	1530	Rock6	2 59
Sticky shale Shale and boulders Sticky shale and lime Sand and shale Sticky shale	39 62 4 40	1399 1461 1465 1505	Hard shale 26 Tough gumbo 10 Rock 2 Gumbo 1	

(Continued on next page.)

Thick	ness	Depth	Thickness	Depth
		(feet)	(feet)	
1100	30)	(1000)		·····
Total - 1 - 1 - 1 - 4 - 6	+ -:	5.0	Driller's log of well 97co	heuni +n
Driller's log of well 65con		291	Rock 5	376
	1			1
7	2	293	Hard shale9	385
110.20 -1114	3	296	Lime rock 5	390
1(0011	7	303	Tough shale 14	404
Fine hard sand 1		314	Gumbo 33	437
	6	320	Sand 13	450
1,	1	321	Gumbo24	474
Sand	3	324	Sand and gravel 22	496
Hard rock	1	325	Gumbo34	530
Tough gumbo	7	332	Hard shale 28	558
	2	334	Gumbo25	583
	1	335	Hard shale 19	602
	2	337	Gumbo4	606
77-7 4	7	354	Sandy shale 22	629
Tough gumbo 1		373	Tough shale 10	638
	9	382	Lime rock 4	642
	2	384	-	1
				670
Tre on	9	393	Sand rock6	676
± +0 O	io i	413	Hard sand 8	684
110021	1	414	Sand rock 5	689
I donou butta cira room	6	420	Gumbo6	695
The Foundation Courts	1	441	Water sand 65	7 60
1 001 3 222 2	.1	452	Sandy shale 17	777
Preked sand 1		469	Gumbo 23	800
Shale streaked with gumbo 13	1	650	Sandy shale 21	821
Rock	1	651	Gumbo and shale 19	840
Hard shale 1	.6	667	Hard shale 28	968
	5	672	Rock3	871
-	.6	688	Gumbo 54	9 2 5
	1	689	Hard shale 21	946
- -	9	698	Tough shale 18	964
	7	735	Hard shale 31	995
Gumbo	· ·	735	Tough shale 41	1036
TOTAL DEPTH		735	Gumbo 14	1050
TOTAL DEPTH		700	Tough shale62	1112
Desilones los of moll O	n			l.
Driller's log of well 9			Gumbo10	1122
J. W. Jackson, City of Bellvill	.e•	At	Tough shale 58	1180
Bellville.	_ 1		Limestone, gypsum, and	
	0	40	sand 12	1192
	8	48	Tough shale 15	1207
- 0 0	2	90	Crusty shale 5	1313
	.6	106	Hard shale 58	1270
+ · · · · · · · · · · · · · · · · · · ·	9	115	Rock 30	1300
Shale 2	23	138	Gumbo73	1373
Clay 4	.0	178	Hard shale 81	1454
	66	214	Gumbo49	1503
	2	226	Heavy shale 57	1560
	34	260	Gumbo 38	1598
	3	263	Tough hard shale 72	1670
	3	336	Gumbo 16	1686
	5	341	Tough shale 56	1742
		341 345	· •	
Ti (22 0 - 22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4		TOTAL DEPTH	1742
	.3	358 764	(This well, drilled for water,	
Sand	6	364	ported to have been a dry hol	.e.)
Gumbo	7 1	371	1 1	

Thickness D	epth	Thicknes	s Depth
_	eet)	(feet)	(feet)
(1000) (1	0007		
Driller's log of well 98		Driller's log of well 136	ontinued
	t	Gumbo and boulders 58	383
Bellville.		Gumbo 36	419
Red sand 27	27	Sand, water 30	449
Sand	59	Gumbo 25	174
Sandy clay9	68	Lime 26	500
United Carry	85		
	96	Gumbo 10	510
	188	Sand, water 16	526
Gumbo92		Send and gravel 15	541
Rock5	193	Gumbo 25	566
Hard sand 16	209	Lime 30	596
Rock5	214	Gumbo 20	616
Gumbo 63	277	Sand, water 15	631
Rock1	278	Sand and lime 26	657
Gumbo 54	332	Gumbo and boulders 85	742
Sand 2	334	Lime and boulders 25	767
Rock 5	339	Gumbo 13	780
Sand6	345	Sand, water 28	308
Gumbo 14	359	Lime 25	833
Rock 5	364	Shale 12	845
Sand 18	382	Gumbo 33	878
Gumbo 66	448	Shale 25	903
Sandy shale 12	460	Gumbo 15	918
Gumbo 28	488	Shale and lime 21	939
Water sand 20	508	Lime4	943
Sandy shale 6	514	Gumbo22	965
Gumbo 61	575	Shale20	985
Sandy shale 15	590	1 1	
Gumbo	681		1033
Sand 7	688	Shale and lime 25	1053
Rock2	690	Gumbo 28	1086
Water sand 21	711	Lime 17	1103
1,000	720	Sand and lime 2	1105
Gumbo9		Sandy lime 8	1113
Hard water sand 40	760	Lime rock 3	1116
Send and blue gumbo 26	786	Gumbo14	1130
TOTAL DEPTH	786	Sandy lime 6	1136
CASING RECORD: 740 feet of 10-inch		Lime and boulders 22	1158
ing and screen; back pressure valve	on	Shale and lime 15	1173
bottom.		Gumbo 10	1193
		Shale 17	1200
Driller's log of well 136		Shale and lime 45	1245
Deering & Kayser, P. A. McClinton #	1.	Gumbo25	1370
7 miles northeast of Bellville.		Shale 10	1280
Sand and clay 40	40	Sand 12	1392
Sand and clay, water 40	80	Gunbo 12	1304
Sand, water 30	110	Sand and gravel 5	1309
Clay 10	120	Lime and boulders 9	1313
Send and boulders 26	146	Lime 24	1342
Gumbo and boulders 28	174	Gumbo 14	1356
Glay and boulders 39	213	Gumbo	1374
Rock 2	215	Gumbo 25	1399
Clay 6	221	§ §	1399
Clay and boulders 15	236		3
Gumbo	256	Sandy shale 10	1423
Rock2	258	Shale 5	1428
	325	Lime and boulders 25	1453
Clay and boulders 67	, 060	Gumbo 50	1503
		'' (continued on next p	age /

	Thickness	Depth
	(feet)	(feet)
Drill r's log of well Sandy shale Lime	4 136è	tinued
Sandy shale	- 21	1524
Lime	- 14	1538
Gumbo	- 26	1564
Lime rock	- 7	1571
Gumbo	20	1591
Sandy shale		1605
Shale	- 20	1625
Gumbo		1640
Shale		1654
Gumbo	- 12	1666
Sandy shale	20	1686
Shale and lime	18	1704
Gumbo		1724
Shale and lime		1759
Shale	- 18	1777
Lime		1794
Shale and lime		1800
Sand and shale	25	1825
Shale		1860
Gumbo	15	1875
Sendy shale	- 15	1890
Shale	- 15	1905
Gumbo	- 24	1929
Shale		1951
Cumbo	- 18	1969
Sandy shale	- 19	1988
Shale		2004
Sandy lime	- 7	2011
Lime	8	2019

Thi	ickness	
	(feet)	(fest)
Driller's log of well	136	ntinued
Gumbo	21	2040
Shale	20	2060
TOTAL DEPTH		4864
		
Driller's log of v	well 228	3
Community Public Service		
northwest of Sealy.		
Surface materials	3	3
Yollow clay	50	53
Rock	17	70
Sand	2	72
Clay	18	90
Sand	41	131
Gumbo	6	137
Send	21	158
Gumbo	40	198
Sand	21	219
Oley	24	243
Sand, water	22	265
Clay	10	275
Send, water	24	299
Clay	5	304
TOTAL DEPTH		304
CASING RECORD: 178 feet	of 10-i	nch ces-
ing; 123 feet of 8-inch	casing	and
screen; 8-inch nipple on		
inch casing.		

Logs of test wells drilled by W. P. A. labor in Austin County, Texas Samples examined and classified by R. E. May,
Project Superintendent.

Thickness Depth
(feet) (feet)
Well 41 continued Coarse-grained sand
Well 43 Charles F. Pfeffer tract, John W. Kenney Survey, 8 miles northwest of Bellville. Loose sand
Well 45 Side of hill, I. J. Kachele tract, John W. Kenney Survey, $7\frac{1}{2}$ miles northwest of Bellville. Surface materials 4 Clay 7 Coarse-grained red sand - 7 Gumbo 8 Chalk 3
Yellow clay 6 35 Sand 4 39 Sand and clay 6 45 Rock 4 45 March 4, 1937. 45
Well 49 H. W. Loesch tract, John Fitzgibbens Survey, 6 miles northwest of Bellville Sandy materials
Well 51 Post oak thicket, Austin County State Bank tract, John Fitzgibbens Survey, 3\frac{3}{4} miles northwest of Bellville. Sandy materials

ground, 7 hours after hole completed. January 13, 1937.

Thickness Depth	Thickness Depth
(feet) (feet)	(feet) (feet)
<u>7/e11_53</u>	Well 64 continued
Post oak thicket, Wash Stokes tract,	Red sand6 39
Richard Greham Survey, 24 miles north-	Water sand 4 43
west of Bellville.	Struck water at 39 feet.
Sand 2 2	Water level, 36 feet below top of
Yellow sand 4 6	ground, 2 hours after hole completed.
Red and yellow sand 3 9	December 10, 1936.
Red clay 7 16 White sand 3 19	
	Well 66
Red clay 9 28 Coarse-grained yellow sand- 8 36	G. C. & S. F. R.R. Co. tract, James
Blue clay 3 39	Cummins' Hacienda survey, 2 miles
Water sand 2 41	southeast of Bellville.
Struck water at 39 feet.	Clay and sand 5 5
Water level, 37 feet below top of ground,	Yellow clay 7 12 Coarse-grained sand 6 18
4 hours after hole completed.	Gumbo
January 12, 1937.	Red clay and sand 6 33
	Coarse-grained sand 7 40
Well 60	Yellow clay 9 49
Side of hill, Fred Palm tract, James	Chalk 3 52
Cummins' Hacienda survey, 5 miles	Gumbo 5 57
south of Bellville.	Rock 37
Black naterials 3 3	February 25, 1937.
Yellow clay 4 7	
Red clay 5 12	Well 67
Sand 6 18	L. A. Machemehl tract, James Cummins'
Clay and send 4 22	Hacienda survey, $2\frac{1}{4}$ miles south of
Rock 2 24	Bellville.
Blue clay 7 31	Gumbo2 2
Sand and clay 4 35 Sand 7 42	Yellow clay2 4
1	Course sand 3 7
Yellow gumbo 6 48 Red clay 4 52	Chalk2 9
Water sand 5 57	Coarse-grained sand 3 12
Struck water at 53 feet.	Clay and chark 5 17
Water level, 49 feet below top of ground,	Yellow clay
2 hours after hole completed.	
February 4, 1937.	Coarse-grained sand 3 26 Blue clay 9 35
	Water sand 3 38
Wcll 64	Struck water at 35 feet.
G. C. & S. F. R.R. Co. yards, James	Water level, 33 feet below top of
Cummins' Hacienda survey, $1\frac{1}{2}$ miles south	ground, 3 hours after hole completed.
of Bellville.	December 11, 1936.
Yellow sand1 1	
Iron ore and sand 1 2	Well 68
Iron ore 1 3	August Timme tract, James Cummins'
Red clay 1 4	Hacianda survey, 3 miles southeast
Yellow clay 2 6	of Bellville.
Yellow clay and sand 5 11	Black gumbo 3 3
Red clay and sand 4 15	Yellow clay 2 5
Yellow clay and sand 2 17	White clay 4 9
Coarse-grained sand and pea-	Yellow clay 7 16
sized gravel 4 21 Gravel and sand 2 23	Coarse-grained sand 2 18
Gravel and sand 2 23 Blue clay 3 26	Yellow clay 4 22
Yellow clay 7 33	Quicksend, water 6 28
Terrow cray / / 00 /	(Continued on next page)

		ml / alm and Double
Thickness		Thickness Depth (feet) (feet)
(foet)	(feet)	(1881) (1801)
Well 68 continued		
Water level, 22 feet below top of	amo und	Well 73
· · · · · · · · · · · · · · · · · · ·	ground,	Henry Schubert tract, James Cummins'
24 hours after hole completed. December 12, 1936.		Hacienda survey, 7 miles southeast of
December 12, 1900.		Bellville.
Well 70		Send 2 2
Otto Abel tract, James Cummins' Ha	oi endo	Iron orc 3 5
gurror 41 miles courtherst of Belli	erille Grenne	Yellow clay 3 8
survey, $4\frac{1}{2}$ miles southeast of Bell		Yellow clay and sand 4 12
White sand 3	3	Woter send 3 15
Yellow clay and sand 2	5 8	Struck water at 12 feet.
Yellow clay3	i .	Water level, 10 feet below top of
Coarse-grained send 2	10	ground, 3 hours after hole completed.
Yellow clay 3	13	December 15, 1936.
Quicksend1	14	
Water sand 2	16	Well 75
Struck water at 14 feet.		E. Grube tract, James Cummins' Hacienda
Water level, 14 fect below top of	ground,	survey, $3\frac{1}{4}$ niles southeast of Bellville.
2 hours after hole completed.		Sandy materials 5 5
December 12, 1936.		Yellow and rcd clay 16 21
		Coarse-grained sand 9 30
Well 71		Blue clay 6 36
August Neimea tract, James Cummins		Coarse-grained send 5 41
Hacienda survey, 55 miles southers	t of	Red clay 7 48
Bellville.		Blue gumbo 12 60
White sand 1	1	Sand 4 64
Yellow clay and sand 3	4	Water sand 6 70
Yellow clay 4	8	Struck water at 64 feet.
Coarse-grained sand 2	10	Water level, 61 feet below top of
Red clay3	13	ground, ½ hour after hole completed.
Clay and sand 1	14	February 23, 1937.
Water sand 2	16	
Struck water at 14 feet.		Well 81
Water level, 13 feet below top of a	ground,	Otto Teichmann tract, Jemes Cummins'
l hour after hole completed.		Hacienda survey, $7\frac{1}{2}$ miles southeast of
December 12, 1936.		Bellville.
		Surface materials 3 3
Well 72		Yellow clay 4 7
Mex Regenbreecht tract, James Cumm		Red clay 4 11
Hacienda survey, 6 miles southeast	CÎ.	Rock 11
Bellville.		February 16, 1937.
Black gumbo 3	3	
Yellow clay 4	7	Well 83
Red and yellow clay 5	12	Julius Brune tract, James Cummins
Coarse-grained yellow sand- 4	16	Hacienda survey, 8 miles southeast of
Light-colored clay 5	21	Bollville.
Clay and send 4	25	Black gumbo14 14
Soft limestone 5	30	Blue gumbo 4 18
Yellow clay 4	34	Yellow clay6 24
Red clay 3	37	Chalk 2 26
Corrse-grained sond 2	39	Red and religing lay 2 23
Blue clay 6	45	Clay and sand 4 32
Blue clay and sand 3	48	Sand4 36
Water sand 5	53	Struck water at 32 feet.
Struck water at 48 feet.		Water level, 30 feet below top of
Water level, 41 feet below top of g	ground,	ground, 4 hours after hole completed.
l hour after hole completed.	-	Fenruary 19, 1937.
December 14, 1936.		1 aut 1 10 1 10 10

## Thickness Dorth (feet) (fee	10g 5 01 %. 1. A. vebe 0110	
Well 90 Herman Kruegor tract, Phillip Howerd survey, 7 miles southeast of Bellvilla Srndy materials - 2 2 Yellow clay - 6 9 Student of Selver Sel	Thickness Depth	
Homman Kruugor treet, Phillip Bowerd Survey, 7 miles southeast of Bellville Stray maturials 2	(feet) (feet)	(feet) (feet)
Homman Kruugor treet, Phillip Bowerd Survey, 7 miles southeast of Bellville Stray maturials 2		
### miles morthroat of Bellville.		
Sindy meterials 2	Herman Krueger tract, Phillip Howard	
Scand	survey, 7 miles southeast of Bellville.	miles northwest of Bellville.
Schol-	Sendy materials 2 2	Black gumbo 6 6
Schol-	Yellow clay 6 8	Blue clay2 8
Chalk 2 19 Red clay 5 17 Red clay 6 25 Red sand 4 29 Red sand 2 37 Rebruary 16, 1937. Side of hill, Robert Teach treet, J. February 16, 1937. February 18, 1937. Febr		Yellow eley 4 12
Rock 6 25	Clay 5 17	Chalk2 14
Red cand	Chalk 2 19	Rock 14
Red sand	Red clay 6 25) 1
Vallow clay	Red sand 4 29	
Side of hill, Robert Tesch treet, J. Hall survey. Red clay	Yellow clay 6 35	Well 111
Red location Red location Red clay	Rock2 37	
Well 101 Max L. W. Reinecke tr ct, Arthur Lott survey, 4½ miles north of Bellville. Surface meterials 3 3 5 Yellow clay 2 5 5 Coerse-grained sand 5 10 Red clay 7 17 17 Clry and send 4 21 Water sand 4 25 Struck water t 21 feet. Water level, 19 feet below top of ground, 2 hours after hole completed. Well 102 Post oak thicket, John Cempbell trect, Arthur Lott survey, 4½ miles north-vest of Bellville. White sand 4 7 Yellow sand 4 7 Price clay 7 17 Coerse-grained sand - 11 38 White sand 2 9 Red clay 7 27 Coerse-grained sand - 11 38 Water sand 1 2 20 Red clay 3 41 Water sand 1 3 41 Water sand 1 5 46 Struck water at 41 feet. Water level, 38 feet below top of ground, 2 hours after hole completed. January 13, 1937. Well 106 L. Sturb tract, pavid Chandler survey, 7½ miles northwost of Bellville. Surface meterials 3 3 Red clay 4 7 Srndstone 2 9 Red Car 4 7 7 Srndstone 2 9 Red Car 4 7 7 Srndstone 2 9 Red Car 2 9 Red Ca		T I
Max L. W. Reinecke trot, Arthur Lott Survey, 4½ miles north of Bellville. Surface materials -		
Mex L. W. Reinecke trot, Arthur Lott survey, 4½ miles north of Bellville. Surface materials 3 3 Yellow clay 5 10 Red clay 7 17 Clry and sand 4 21 Water sand 4 25 Struck water at 21 feet. Water level, 19 feet below top of ground, 2 hours after hole completed. Wall 102 Post oak thicket, John Cempbell treet, Water sand 3 3 Yellow send 3 3 Yellow send 3 3 Yellow send 4 25 Wall water level, 19 feet below top of ground, 2 hours after hole completed. Wall 102 Post oak thicket, John Cempbell treet, White sand 3 3 Yellow send 4 7 White sand 2 9 Red clay 9 18 White sand 2 9 Red clay 9 18 White sand 2 20 Red clay 5 46 Struck water at 1 feet. Water sand 5 46 Struck water at 1 feet. Water sand 5 46 Struck water at 1 feet. Water sand 5 46 Struck water at 1 feet. Water sand 5 46 Struck water at 1 feet. Water sand 5 46 Struck water at 1 feet. Water level, 38 feet below top of ground, 2 hours after hole completed. January 13, 1937. Well 106 J. Sturb tract, Devid Chandler survey, 7½ miles northwest of Bellville. Surface m terials 3 3 3 Struck water at 32 fest. Well 120 Struck water at 32 fest. Well 121 Struck water at 32 fest.	Well 101	Blue clev 2 8
Surrace materials 3 3 3 7 Yellow sand 4 2 1 2		
Surface materials 3 3 Yellow clay 2 5 Coerse-grained sand 5 10 Red clay 7 17 Clry and sand 4 21 Water sand 4 25 Struck water et 21 feet. Water sand 4 25 Struck water et 21 feet. Water sand 4 25 Water sand 4 25 White sand 4 26 White sand 3 3 For sand thicket, John Campbell tract, Arthur Lott survey, 42 miles northwater at 15 feet. White sand 2 9 Red clay 3 3 Yellow sand 2 9 Red clay 3 41 Water sand 11 38 Clay 3 41 Struck water at 41 feet. Water sand 5 46 Struck water at 41 feet. Water sand 5 46 Struck water at 41 feet. Water sand 5 46 Struck water at 42 feet. Water sand 5 46 Struck water at 43 feet below top of ground, 2 hours after hole completed. January 13, 1937. Well 106 J. Sturb tract, David Chandler survey, 72 miles northwast of Bellville. Surface meterials 3 3 Red clay 4 7 Srndstone 2 9 Rock 2 9 Rock 3 3 Red clay 3 5 Struck water at 15 feet. Well 120 Wallas Kabesmeski treet, Amasca Ives survey, 62 miles northwast of Bellville Coarse-grained sand 18 30 Clay 3 41 Well valve after hole completed. January 13, 1937. Well 108 J. Sturb tract, David Chandler survey, 72 miles northwast of Bellville. Struck water at 32 fe.t. 5 Struck water a		
Yellow clay		
Coarse-grained sand		
Red clay 7	TOTION OTEG	January 13, 1301,
Cley and sand 4	00:1100 Pratmon a	77071 319
Vater sand 4 25 Struck water ct 21 feet Water level, 19 feet below top of ground, 2 A hours after hole completed.	11Cu Olay	
Struck water at 21 feet Water level, 19 feet below top of ground, 2 hours after hole completed. Woll 102 Post oak thicket, John Campbell treat, Arthur Lott survey, 42 miles northwest of Bollville. White sand 3 3 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	OIC, WING DOLLAR	
Blue clay-		
Yellow clay		
March 1, 1937.		
Woll 102 Post oak thicket, John Cempbell trect, Arthur Lott survey, 42 miles northwest of Bellville. White sand 3 3 Yellow sand 4 7 White sand 4 7 White sand 2 9 18 White sand 2 20 Red clay 7 27 Coarse-grained sand 11 38 Clay 3 41 Water sand 11 38 Yellow clay 3 41 Water sand 5 46 Struck water at 41 feet. Water level, 38 feet below top of ground, 2 hours after hole completed. Yellow clay 3 2 8 Chalk 2 8 Chalk 2 8 Struck water at 41 feet. Water level, 38 feet below top of ground, 2 hours after hole completed. Yellow clay 2 8 Struck water at 41 feet. Water level, 38 feet below top of ground, 2 hours after hole completed. Yellow clay 2 32 Struck water at 25 feet. Water sand 18 30 Clay 2 32 Struck water at 25 feet. Water sand 18 30 Clay 2 32 Struck water at 25 feet. Water sand 18 30 Clay 2 32 Struck water at 25 feet. Water sand 3 3 Struck water at 25 feet. Water level, 30 feet below top of ground, 24 hours after hole completed. January 6, 1937. Well 106		
Woll 102 Post oak thicket, John Campbell tract, Arthur Lott survey, 4\frac{2}{3} miles northwest of Bollville.	March 1, 1957.	
Struck water at 15 feet. Struck water at 15	π'ο 1 109	
Arthur Lott survey, 42 miles northwest of Bollville. White sand		
ground, 2 hours after hole completed.	Post oak thicket, John Campbell ticot,	1 1
Vallow sand		11
Yellow sand		
White sand 2 9 Red clay 9 18 White sand 2 20 Red clay 2 20 Red clay 2 27 Coarse-grained sand 11 38 Clay 3 41 Water sand 5 46 Struck water at 41 feet. Coarse-grained sand 18 30 Water level, 38 feet below top of ground, 2 hours after hole completed. Struck water at 32 feet. Water sand 2 32 January 13, 1937. Well 106 Water level, 30 feet below top of ground, 24 hours after hole completed. January 6, 1937. Well 121 Emil Brandt tract, Amasca Ives survey, 5½ miles northwest of Bellville. Similes northeast of Bellville. Sandstone	WIII O During	January 20, 1937.
Red clay 9	Yellow same	
## White sand 2	White same 2	1 (
Top soil 3 3 3 3 5 5 5 5 5 5	Red Clay	
Coarse-grained sand 11 38 Clay 3 41 Water sand 5 46 Struck water at 41 feet. Water level, 38 feet below top of ground, 2 hours after hole completed. January 13, 1937. Well 106	111111111111111111111111111111111111111	
Red clay	Red Clay 7	
Struck water at 41 feet. Struck water at 41 feet. Coarse-grained sand 18 30	Coarse-grained sand II 50	
Coarse-grained sand 18 30 30 37 37 37 37 37 37	Clay 5	
Water level, 38 feet below top of ground, 2 hours after hole completed. January 13, 1937. Well 106 J. Sturb tract, David Chandler survey, 7½ miles northwest of Bellville. Surface materials 4 7		
Z hours after hole completed. January 13, 1937. Well 106 J. Sturb tract, David Chandler survey, 7½ miles northwest of Bellville. Surface materials 3 3 Red clay 4 7 Sandstone 2 9 Rock 2 9 January 18, 1937. Struck water at 32 fect. Water lovel, 30 feet below top of ground, 24 hours after hole completed. January 6, 1937. Well 121 Emil Brandt tract, Amesca Ives survey, 5½ miles northeast of Bellville. Black materials 3 3 Red clay 6 11		Coarse-grained sand 18 30
Water lovel, 30 feet below top of ground, 24 hours after hole completed. January 6, 1937. Water lovel, 30 feet below top of ground, 24 hours after hole completed. January 6, 1937. Water lovel, 30 feet below top of ground, 24 hours after hole completed. January 6, 1937. Water lovel, 30 feet below top of ground, 24 hours after hole completed. January 6, 1937. Water lovel, 30 feet below top of ground, 24 hours after hole completed. January 6, 1937. Water lovel, 30 feet below top of ground, 24 hours after hole completed. January 6, 1937. Water lovel, 30 feet below top of ground, 24 hours after hole completed. January 6, 1937. Water lovel, 30 feet below top of ground, 24 hours after hole completed. January 6, 1937. Water lovel, 30 feet below top of ground, 24 hours after hole completed. January 6, 1937. Well 121		Water sand 5 37
Well 106 J. Sturb tract, David Chandler survey, 7½ miles northwest of Bellville. Surface materials 3 3		
Well 106 January 6, 1937. J. Sturb tract, David Chandler survey,	January 13, 1937.	
J. Sturb tract, David Chandler survey,	m.33.304	
7½ miles northwest of Bellville. Surface materials 3 3 Red clay 4 7 Sandstone 2 9 Rock 2 9 January 18, 1937. Yellow clay 6 Well 121 Emil Brandt tract, Amasca Ives survey, 5½ miles northeast of Bellville. Black materials 3 3 Red clay 6 11		January 6, 1937.
Surface materials 3 3 Emil Brandt tract, Amasca Ives survey, 5½ miles northeast of Bellville. Sandstone 2 9 Black materials 3 3 Rock 2 9 Red clay 2 5 January 18, 1937. Yellow clay 6 11		
Red clay 4 7 5½ miles northeast of Bellville. Sendstone 2 9 Black materials 3 3 Rock 2 9 Red clay 2 5 January 18, 1937. Yellow clay 6 11		
Sendstone 2 9 Black materials 3 3 Rock 9 Red clay 2 5 January 18, 1937. Yellow clay 6 11		
Rock 9 Red clay 2 5 Jenuary 18, 1937. Yellow clay 6 11		
January 18, 1937. Yellow clay 6 11	D. Haboone	
(Continued on next page)	January 18, 1937.	
		(Continued on next page)

Thickness Depth	Is in Austin CountyContinued Thickness Depth
(feet) (feet)	(feet) (feet)
Well 121 continued	Well 133 continued
Blue clay 2 13	Water sand 3 20
Coarse-grained sand 7 20	Struck water at 17 feet.
Rock1 21	W ter level, 17 feet below top of
Water sand 3 24	ground, 4 hours ofter hole completed.
Struck water at 21 feet.	January 4, 1937.
Water level, 20 feet below top of ground,	
2 hours after hole completed.	Woll 151
January 5, 1937.	Charles A. Letimor treet, William
	Smoothers survey, 9 miles northeast of
Well 128	Bollville.
Ben Fisher tract, James P. Stophanson	Black materials 4 4
survey, 3 miles northeast of Bellville.	Yollow clay 3 7
Black materials 4 4	Coarse-grained sand 2 9
Red and yellow clay 7 11	Water sand 3 12
Coarse-grained sand 5 16	Struck water at 9 feet.
Water sand 3 19	Water level, 9 feet below top of
Struck water at 16 feet.	ground, 2 hours after hole completed.
Water level, 16 fect below top of ground,	January 8, 1937.
2 hours after hole completed.	
January 5, 1937.	Well 153
outleary of 150.	Ollie Wilson tract, Mathew R. Williams
Wcll 129	survey, $7\frac{1}{3}$ miles northeast of Bellvill
Otto Lischka tract, James P. Stephenson	Black materials 4 4
survey, 3 miles northeast of Bellville.	Yellow clay 3 7
Sandy natorials 2 2	Blue clay 5 12
Yellow clay 3 5	Yellow clay 3 15
Red clay2 7	Quartz1 16
Water sand 2 9	Red clay 9 25
Struck water at 7 feet.	Yellow clry 6 31
Water level, 6 feet below top of ground,	Coerse-grained sand 4 35
l hour after hole completed.	Water sand 4 39
=	Struck water at 35 feet.
March 1, 1937.	Water level, 34 feet below top of
We11 131	ground, 3 hours after hole completed.
Otto Fielder tract, James P. Stophenson	January 7, 1937.
survey, 25 miles erst of Bollville.	January , 470/
Black materials 3 3	dell 202
- t	School tract, Louis von Roeder survey,
Red clay 2 5 Yellow clay 5 10	ll miles west of Secly.
1011011 0101	Sandy meterials 2
00(1 pc-21((1ncm pane)	
Diac Aray	
We bot Sail a	10440
Struck water at 17 feet.	
Water level, 16 feet below top of ground,	
21 hours after hole completed.	March 10, 1937.
January 4, 1937.	
	Well 212
Well 133	Fred L. Kyle tract, James Cummins'
Fritz Raube tract, James P. Stophenson	Hacienda survey, $5\frac{1}{2}$ miles north of
survey, $1\frac{1}{2}$ miles east of Bellville.	Scaly.
Surface materials 3 3	Sand2 3
Yellow clay 4 7	Yellow clay 3 5
Coerse-grained send 4 11	White clay and sand 3
Red clay 5 16	Clay
Blue clay 1 17	Coarse-grained white sand- 3 12
	(Continued on next page.

(Continued on next page.)

Thickness Depth	Thickness Depth
(fcet) (fect)	(feet) (feet)
Well 212 continued	Well 219 continued
Red clay 5 17	Water sand 3 17
Yellow clay 5 22	Struck water at 14 feet.
Water sand 3 25	Water level, 13 feet below top of
Struck mater at 22 feet.	ground, 4 hours after hole completed.
Water level, 20 feet below top of ground,	December 16, 1936.
2 hours after hole completed.	podemour zo, zodo
December 15, 1936.	Well 220
December 10, 1300	Tom Watson tract, Stephen F. Austin
Well 215	survey. $2\frac{1}{4}$ miles north of Sealy.
E. C. Steck tract, James Cummins' Hacien-	White sand 2 2
da survey, 41 miles north of Sealy.	Yellow clay 5 7
Sendy materials 4 4 7	Red clay 5 12
10110 % 010%	Yellow clay 3 15
Sand 3 10	Water sand 3 18
Struck water at 7 feet.	Struck water at 15 feet.
Water level, 7 feet below top of ground,	Water level, 13 feet below top of
24 hours after hole completed.	ground, 5 hours after hole completed.
February 17, 1937.	December 16, 1936.
Well 216	Well 224
Anna Holt tract, H. & T. C. R.R. Co.	Isaac Gifford tract, Isaac Gifford sur-
survey, 4 miles north of Sealy.	vey, 12 miles northwest of Scaly.
Sand2 2	Yellow sand 2 2
Clay 3 5	Red clay 4 6
Clay and sand 2 7	Yellow clay 3 9
Red clay 3 10	Yellow clay and sand 4 13
Sand 2 12	Coarse-grained white sand- 2 15
Struck water at 10 feet.	Yellow clay 5 20
Water level, 9 feet below top of ground,	Water sand 3 23
1/3 hour after hole completed.	Struck water at 20 feet.
February 18, 1937.	Water level, 18 feet below top of
2001.002	ground. 2 hours after hole completed.
Well 217	December 16, 1936.
Mrs. Bettie Leeman tract, H. &.T. C.	Becamber 10, 1700.
R.R. Co. survey, 3\frac{3}{4} miles north of Sealy.	Well 229
Yellow sand 2 2	
	J. W. Allen tract, San Felipe de Austin
Iron ore	survey, ½ mile west of Sealy.
	Fine-grained light-colored
1100 0200	sand 4 4
Coarse-grained sand and	Yellow clay 9 13
clay 3 15	Red clay 4 17
Water sand 3 18	Coarse-grained sand 3 20
Struck water at 15 feet.	Yellow clay 6 26
Water level, 14 feet below top of ground,	Yellow clay and sand- 4 30
2 hours after hole completed.	Water sand 3 33
December 16, 1936.	Struck water at 30 feet.
_	Water level, 28 feet below top of
Woll 219	ground, 1 hour after hole completed.
William Stack tract, C. C. Allen survey,	December 16, 1936.
3 miles north of Sealy.	
White sand2 2	Well 235
Yellow clay 3 5	C. Luhn tract, San Felipe de Austin
Red clay 6 11	survey, 1 miles south of Sealy.
Red clay and sand 3 14	Sand4 4
Tion Arms arms	(Continued on next nece)

(Continued on next page)

	Thic	knes	G E	enth
	_	eet)		
Wa 3	1 235			
	1 200 (4	Jueu	8
Tellow clay		3	- 1	11
Yellow and red clay- Red clay		7		18
ed clay Yellow clay		5		23
Reliow Clay	- -	3		26
Coarse-grained sand-		2		28
Water sand		4		32
Struck water at 28 f	eet.		,	
Water level, 27 feet		top	of g	round,
l hour after hole co				
December 17, 1936.	_			
	L1 237		_	
Mary Reznleck tract				Austin
survey, $2\frac{3}{4}$ miles so	ith of		_	
Sand		- 3	1	3
Yellow clay		2	- 1	5 7
Red clay		- 2 1	1	8
Sand and clay		_ 3		11
Water sand Struck water at 8 fo	et.	- 0	•	11
Water level, 7 feet		top o	f gr	ound.
2 hours after hole			- 6-	,
December 17, 1936.	F			
		······································		
Wei	11 242			
Thomas Watson tract	H. &	r. c.	R.F	?. C o.
survey, $3\frac{3}{4}$ miles so	uth of	Sealy	•	
Surface materials-		3		3
Yellow clay		4	- 1	7
Red clay		3		10
Water sand		2	1	12
Struck water at 10				
Water level, 10 fee			OI 6	grouna
3 hours after hole	compter	ea.		
Decembor 17, 1936√				
We	11 243			
Stephen Sebalah tra	ct. C.	F. Ma	chme	∋h1
survey, 4½ miles so				
Sandy materials		3		3
Red clay		4		7
Sand and yellow cla	y	S	1	12
Blue clay		4		16
Coarse-grained sand		3	1	19
Water sand		2	;	21
Struck water at 19			_	
Water level, 18 fee			of g	ground
2 hours after hole	complet	ed.		
December 18, 1936.				
*** -	13 045			
	11 245	e m	C 1	G 12
J. V. Wosnitsky tra				
Co. survey, $5\frac{1}{2}$ mile Sandy materials		. 01 3		y• • 4
Sandy materials				8

Red clay- - - - - - -

Thickness I	
(feet) (:	feet)
Well 245 continued	
Yellow clay 3	11
Coarse-grained sand 7	18
Blue clay 2	20
Water sand 3	23
Struck water at 20 feet.	
Water level, 20 feet below top of	
ground, 1 hour after hole complete	ed.
December 18, 1936.	
Well 247	
Charles Tomlinson tract, Miles N.	Allen
survey, 7 miles south of Sealy.	
Surface materials 3	3
Yellow clay 4	7
Coarse-grained sand 5	12
Clay and chalk 3	15
Yellow clay 2	17
Red clay 3	20
Coarse-grained sand 8	2 8
Yellow clay 5	33
Water sand 5	3 8
Struck water at 33 feet.	
Water level, 32 feet below top of	
ground, 3 hours after hole comple-	ted.
December 18, 1936.	
Well 249	
Russell Benton tract, Adam Kuyken	dall
survey, 8 miles south of Sealy.	
Sandy materials 3	3
Yellow clay 5	8
Coarse-grained sand 5	13
Clay and chalk 2	15
Red and yellow clay 6	21
Coarse-grained sand 9	30
Yellow clay 6	36
Water sand 4	40
Struck water at 36 feet.	
Water level, 33 fect below top of	
ground, 2 hours after hole complet	ted.
January 22, 1937.	
Woll 250	
J. W. Johnston tract, J. Spence s	urvey,
$8\frac{1}{2}$ miles south of Scaly.	
Surface matorials 3	3
Yellow clay 4	7
Coarse-grained sand 7	14
Yellow cley 2	16
Water sand 2	18
Struck water at 16 feet.	-
Water level, 15 feet below top of	
ground, 1 hour after hole complete	ed.
Janu ry 26, 1937.	

(Analyzed at the University of Texas under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry; by J. E. Stulken, D. F. Riddell, H. T. Davidson, Floyd H. Ward, and F. G. Steer, Chemists; and J. A. Harmaza, Martin Wieland, and Jack Ramsey, Assistant Chemists. Nitrate determined by E. W. Lohr, U. S.

Results are in parts per million. Well numbers correspond to numbers in table of well records.) Geological Survey. Magne-Depth Date Total Cal-Sodium and Bicar-|Sul-|Chlo-Ni-Total Well Owner of of dissolved ci um sium Potassium bonate phate ride trate hardness $(Na \neq K)$ (HCO₃) (SO₄) (C1) (NO3) (Ca) (Mg) as CaCOz No. well collection solids (calculated) calculated) (ft.) (calculated 1 W. A. Voelkel Mar. 16. 1937 76 308 275 32 24 165 2 Karl Neumann 16 do. _ 98 b/ -Mar. 11, 1937 3 V. Janes 75 328 275 40 30 b / 4 Herbert Thielemann 53 71 160 do. 458 165 a/ 6 Alfred Schultze 62 989 146 448 150 b/ do. Mar. 10, 1937 7 Hugo Huebner 98 526 293 110 40 54 8 B. W. Huebner 55 Mar. 12. 1937 1,138 189 20 230 450 b/ 9 Willie Hold 30 Mar. 8. 1937 584 130 5 71 305 40 92 344 1, 1937 17 b/ 11 Hugo Fischer & 235 220 20 Jan. Anna Hartman 12 Reinhold Lehrmann 97 Mar. 12, 1937 363 268 24 26 52 -105 Jan. 14, 1937 378 354 50 13 J. C. Buenger 15 Walter E. Rinn 44 do. 689 55 22 96 350 Mar. 17, 1937 16 Otto Arndt 47 238 171 36 30 b/ 19 -- School 131 Mar. 16, 1937 487 130 5 50 342 40 94 344 20 W. P. A. test 14 Mar. 11 1937 71 24 24 11 ъ/ 135 Mar. 16. 1937 336 281 24 b/ 21 H. L. Frnka 46 22 Henry Gross Mar. 17, 1937 223 85 232 13 b / Jan. 14, 1937 24 T. M. Kamas 27 248 146 40 46 ъ/ 25 V. Chaluepkua 38 349 360 30 b/ do. Mar. 10, 1937 82 275 26 John Arning 424 43 50 45 ъ/ 64 9. 1937 78 27 Otto Veckert Mar. 247 98 36 28 B. Wering Mar. 10, 1937 559 86 299 40 90 88 29 Chris Loesch 67 do. 430 183 32 130 24 30 Mrs. H. J. Albert 32 95 do. 647 317 138 95 -b/ 32 Willie Spreen 19 do. 668 305 148 124 Mar. 12, 1937 33 Carl Holt 120 1.115 59 365 280 110 _ 34 C. L. Luedeke 57 Mar. 11, 1937 491 268 59 120 b/ 35 Emil Hopman 39 Mar. 10, 1937 601 329 32 166 b/

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Results are in narts ner million.

	Results are in parts per million.											
		Depth	Date	Total	Cal-	Magne-	Sodium and	Bicar-	Sul-	Chlo-	Ni-	Total
Well	Owner	of	of	dissolved	cium	sium	Potassium	bonate	phate	ride	trate	hardness
No.		well	collection	solids	(Ca)	(Mg)	(Na ≠ K)	(HCO ₃)	(SO ₄)	(C1)	(NO3)	as CaCO3
		(ft.)		(calculated)	, ,	' '	(calculated)		1			(calculated)
36	New Wehdem School	68	Mar. 9, 193	57 -		**	-		20	36	b/	**
	Hy Honerkamp	28	do .	527	-	-	-	73	98	210	b/	**
40	Andrew Herring	119	Jan. 13, 193	7 480		-	-	134	67	176	b/	-
41	W. P. A. test	39	Mar. 4, 193	7 235	-			98	20	30	60	-
42	Louis Loesch	25	Mar. 8, 193	57 576			-	183	40	162	88	-
44	Frank W. Mikeska	24	Mar. 3, 193	7 328		-	-	207	40	26	46	-
47	Fritz Richter	47	Mar. 9, 193			No.	-	18	<u>a</u> /	21	<u>b</u> /	-
48	John H. Goeke	65	Mar. 3, 193	7 -	***	***	-	**	32	110	115	-
50	Mrs. D. Laas	163	Mar. 8, 193	7 287	_	_	v.	238	32	30	<u>b</u> /	*
51	W. P. A. test	33	Jan. 13, 193	7 65	-	-	_	12	10	26	<u>b</u> /	-
52	M. D. Harper	46	Jan. 12, 193	57 -	-	-	-		40	58	b/	
53	W. P. A. test	41	do.	440	78	7	81	281	20	90	26	224
57	John Surovik	104	Jan. 14, 193	7 285	-	-	-	275	16	24	<u>b</u> /	-
58	Arnold Goebel	65	Jan. 30, 193	37 218	-		_	195	10	28	<u>b</u> /	-
59	Chas. Riniker	117	do.	183	-	+	-	171	a/	24	b/	<u> </u>
60	W. P. A. test	57	Feb. 4, 193	766	156	10	113	342	143	176	b/	431
61	Fred Palm	95	Jan. 29, 193	7 220	-	*	-	220	a/	20	<u>b</u> /	
62	Sam Vornkahl	132	Jan. 30, 193	7 142		-	***	140	a/	13	<u>b</u> /	_
64	W. P. A. test	43	Dec. 10, 193	6 6 450	-	-		342	16	94	<u>b</u> /	-
67	do .	38	Dec. 11, 193	56 -	-	_		-	28	230	<u>b</u> /	-
68	do.	28	Dec. 12, 193	66 -	=	_	-	_	20	204	22	_
70	do.	16	do .	73	-	-		49	12	10	<u>b</u> /	_
71	do.	16	do .	_	_	-	-	-	a/	15	b/	_
72	do.	53	Dec. 14, 193	6 53	-			24	10	12	<u>b/</u> b/	_
73	do.	15	Dec. 15, 193	66 -	_	-	-4	**	10	22	b/	-
74	E. Grube	73	Feb. 25, 193	7 275			-	281	10	20	b/	_
75	W. P. A. test	70	Feb. 23, 193	57 126		-	_	73	16	28	<u>b</u> /	-
76	H. H. Schroeder	97	Feb. 25, 193	7 277	-	*	-	256	14	30	b/	-
77	Albert Mernitz	65	do.	260	_		-	256	11	22	<u>b</u> /	-
78	Fritz Nelius	88	Feb. 18, 193	7 332	-	_	-	329	a/	34	<u>b/</u>	
79	do.	68	Feb. 17, 193	7 61		-	-	43	<u>a</u> /	13	<u>b</u> /	***
80	Aug. A. Reichle	28	do.	95	_	_	***	37	17	26	b/	**
	S. Hintzel	157	Feb. 16, 193	57 1 44		-	-	122	<u>a</u> /	20	<u>b</u> /	-
	W. P. A. test	36	Feb. 19, 193		_	_		268	158	170	b/	-
	C. C. Amsler	48	Feb. 16, 193		-	-			120	192	56	-
	a/ Sulphate less t	han 10										

Sulphate less than 10 parts per million.
 Nitrate less than 20 parts per million.

Results are in parts per million

			Rest	<u>ılts are in p</u>		er milli						
		Depth	Date	Total	Cal-	Magne-	Sodium and	Bicar-		Chlo-	Ni-	Total
Well	Owner	of	of	dissolved	cium	sium	Potassium	bonate	phate	ride	trate	hardness
No.		well	collection	solids	(Ca)	(Mg)	(Na ≠ K)	(HCO3)	(SO ₄)	(C1)	(NO3)	as CaCO3
		(ft.)		(calculated)			(calculated)		_			(calculated)
85	Julius Brune	42	Feb. 15, 1937	592	***		***	201	59	220	b/	
86	Albert Janczak	40	do.	**		_	~	-	73	102	<u>b</u> /	-
87	Taylor Sykes	39	Feb. 19, 1937	580	-	-		415	103	60	<u>b</u> /	-
88	Reinhardt Luhn	195	Feb. 16, 1937	-		-		**	<u>a</u> /	22	<u>b</u> /	_
89	August Steck	95	do.	-		-		_	16	87	b/	-
91	F. Krueger	100	Feb. 19, 1937	344	_	_		342	11	31	<u>b</u> /	_
	Gus Timme	57	Feb. 16, 1937	497	_	-		24	26	180	120	-
	Theo Brosig	117	Feb. 18, 1937	292		_	-	293	11	23	b/	_
	Herman Krueger	145	Feb. 24, 1937	175	-	-	-	171	a/	16	<u>b</u> /	_
	Nat Smith	26	do.	456	_		-	122	14	215	b/_	_
	Wm. Waak	22	do.	1,769	-	440	-	262	378	650	<u>b</u> /	
	Herman Woehst	52	Feb. 25, 1937	329	-	-	AL.	37	17	53	145	_
	Mrs. Lula Russ	98	Mar. 1, 1937	67	**	4		49	<u>a</u> /	13	<u>b</u> /	-
101	W. P. A. test	25	do.	160		-	-	98	32	22	<u>b</u> /	-
102	do.	46	Jan. 13, 1937	91	**	_	4-	37	12	28	<u>b</u> /	130
104	Mrs. S. Sanders	79	do.	168	52	-	9	67	28	46	b/	130 ľ
107	R. H. Luhn	132	Jan. 12, 1937	348		-	-	287	40	36	b/	-
108	Herman Pfeffer	30	Mar. 3, 1937	437	_	-	figs.	159	47	90	75	-
109	Emil Fenner	32	do.	288		***	***	220	32	40	b/	-
112	W. P. A. test	19	Jan. 20, 1937	225			-	159	14	48	b/	
113	W. C. Weiss	44	Jan. 13, 1937	703	-			250	40	274	<u>b</u> /	
11.4	H. L. Reese	48	Mar. 3, 1937	-	-		-	-	35	62	88	-
115	Elizabeth Bergers	40	do.	392		**	***	159	22	84	75	-
116	Fritz Kramer	33	Mar. 2, 1937	-	-	***	-	**	21	23	145	***
117	C. E. Hellmuth Es	t. 76	Mar. 1, 1937	153	-		44-	98	26	23	<u>b</u> /	
118	Beattie Sloan	52	do.	66	-			31	<u>a</u> /	22	<u>b</u> /	-
119	W. O. Hammack	22	do.	137			**	85	22	23	b/	-
120	W. P. A. test	37	Jan. 6, 1937			-			10	70	b/	_
121	do.	24	Jan. 5, 1937	-	-	-	and the second section of the second section section of the second section of the second section section of the second section section section of the second section s	_	26	22	b/	-
122	Brandt-Ludemeyer	Gin 69	Jan. 4, 1937	219	7	2	79	146	16	43	<u>b</u> /	27
	Emil Brandt	29	do.	310				220	32	54	<u>b</u> /	
124	Henry Frollich	24	do.	627		_	-	281	43	185	35	
	Ed Kaecheie	37	do.	325		-	-	268	40	31	b/	
**********	Willie Sontag	86	Feb. 23, 1937	344	<u>-</u>			244	13	80	b/	
	a/ Sulphata loss:	+hom 10										· S. A. St. Later Made Address of Franchis September 1984

a/ Sulphate less than 10 parts per million. b/ Nitrate less than 20 parts per million.

Results are in parts per million.

			Ties	are in b	GT OP T	ict mit tr						
		Depth	Date	Total	Cal-	Magne-	Sodium and	Bicar-	1	Chlo-	Ni-	Total
Well	Owner	of	of	dissolved	cium	sium	Potassium	bonate	phate	ride	trate	hardness
No.		well	collection	solids	(Ca)	(Mg)	(Na ≠ K)	(HCO3)	(SO ₄)	(C1)	(NO3)	as CaCO3
	1	(ft.)		(calculated)			(calculated)		-]		(calculated)
127	Emil Frank	27	Feb. 23, 1937	947		_	-	24	109	350	170	-
128	W. P. A. test	19	Jan. 5, 1937			**	**	24	28	14	<u>b</u> /	*
129	do.	9	Mar. 1, 1937	111	**	*		24	40	22	<u>b/</u>	-
130	F. F. Graff	46	Jan. 4, 1937	57	~	-		37	<u>a</u> /	13	b/	**
131	W. P. A. test	21	do.	-		-	-	_	a/	24	b/	**
132	Edmund Frank	52	do.	213	_	-	•••	37	<u>a</u> /	33	95	444
133	W. P. A. test	20	do .	205	34		50	207	10	9	<u>b</u> /	85
134	A. E. Mewis	27	Feb. 18, 1937	1 7 3		-		12	10	34	72	
135	J. E. Henrichsen	38	Feb. 24, 1937	64 5	*	_	-	159	27	305	<u>b</u> /	-
137	Nathan Harvey	17	do.	96	-		-90	61	15	16	b/	-
	C. M. Hoff	49	Feb. 23, 1937	280	-	-		268	10	31	b/	_
139	Emma Hagen	120	Feb. 18, 1937	101	_	-	<u> </u>	61	<u>a/</u>	28	b/	-
	Ben Peters	69	Feb. 23, 1937	206	-	_		183	14	23	b/	
141	J. H. Bishop	120	Feb. 19, 1937	133			***	85	11	30	b/	
	C. R. Brandes	24	do.	644		**		18	55	52	355	- (
144	H. H. Belcher	36	Jan. 6, 1937	393				244	48	80	b/	-
145	Humble Oil WRef.	Co.310	Jan. 8, 1937	-	**	·	-	-	40	66	b/	
146	do.	465	Jan. 6, 1937	432	***	_	-	323	51	60	b/	
148		1,228	Jan. 7. 1937		36	_	280	695	32	68	b/	90
149	William Lange	67	Jan. 5, 1937	1,044	112	17	220	146	67	316	240	350
	W. P. A. test	12	Jan. 8, 1937	302				146	18	100	b/	-
152	E. B. Wilson	52	Jan. 5, 1937	367	-	***		293	32	52	b/	**
	W. P. A. test	39	Jan. 7, 1937			~		293	12	50	b/	400
	Emma Dittert	89	Jan. 31, 1937	246	-	-		110	15	86	b/	-
	Ed Schultz	83	do.	267	-		**	256	<u>a/</u>	32	h/	
	Mary Batla	96	Jan. 30, 1937		20	-	5	37	a/	20	b/	50
	Tom Eckelberg	118	do.	155	**	_		134	a/	24	b/	
	Otto Hill	32	Jan. 31, 1937		**	_	·	24	a/	22	b/	-
207	Chas. Kretzschmar		do.	180	**		***	171	a/	22	b/	
	Chas. Zachas	95	do.	60	-	**	**	31	a/	20	b/	
	Adolph Drab	66	do.	89	-		***	43	a/	32	b/	4-
	J. C. Oldag	84	Feb. 3, 1937		-		-	67	a/	42	b/	**
	W. P. A. test	25	Dec. 15, 1936		_	 		12	10	10	b/	-
	Chas. Schroeder	. 60	Jan. 15, 1937					116	a/	26	b/	
	a/ Sulphate less									~~		

a/Sulphate less than 10 parts per million. b/Nitrate less than 20 parts per million.

Results are in parts per million.

			nes	ults are in p				· · · · · · · · · · · · · · · · · · ·		·		
		Depth	Date	Total	Cal-	Magne-	Sodium and	Bicar-	1	Chlo-	Ni-	Total
Well	0wner	of	of	dissolved	cium	sium	Potassium	bonate			trate	hardness
No.		well	collection	solids	(Ca)	(Mg)	(Na ≠ K)	(HCO3)	(SO4)	(C1)	(NO_3)	as CaCO3
		(ft.)		(calculated)			(calculated)			<u> </u>		(calculated)
	W. P. A. test	10	Feb. 17, 1937	-				-	90	13	<u>b/</u>	-
216	do.	12	Feb. 18, 1937	_	-	-	-		71	12	<u>b</u> /	«m
217	do.	18	Dec. 16, 1936	***	_	-	-	-	20	16	b/	
218	Fritz Sens	46	Dec. 17, 1936	97	-	-		37	<u>a</u> /	40	<u>b/</u>	-
	W. P. A. test	17	Dec. 16, 1936		_		-		<u>a</u> /	14	b/	-
220	do.	18	do.	50		-	_	6	10	20	b/	_
	Frank Jurica	86	Feb. 15, 1937	55	-		-	31	<u>a</u> /	15	<u>b</u> /	-
	John Maler	56	Feb. 3, 1937	-	_	-	-		a/	22	<u>b</u> /	-
	Ben E. Albert	66	Jan. 29, 1937		_	-	_	*	<u>a</u> /	34	<u>b</u> /	-
	W. P. A. test	23	Dec. 16, 1936	107	-	-	-	37	10	40	<u>b</u> /	-
	Horace Clark	87	Jan. 28, 1937		-		-	73	<u>a</u> /	24	<u>b</u> /	-
	Anna Timme	88	Jan. 26, 1937	241	-	-	-	110	<u>a</u> /	90	<u>b</u> /	-
	Herman Buchtien	56	Dec. 17, 1936		-	-	_	73	a/	31	<u>b/</u>	-
228	Community Public	304	do.	190	42	-	34	159	<u>a</u> /	31	<u>b</u> /	105
	Service Company											
	W. P. A. test	33	Dec. 16, 1936	407	-	-		37	12	230	b/	
	W. M. Remmert	89	Jan. 29, 1937	**	_	-	-	-	a/_	20	b/ b/	**
	T. C. Schaare	107	do.	98	40	44	_	73	<u>a</u> /	22	<u>b/</u>	100
***************************************	Ed Anderson	75	Jan. 28, 1937	514	-		-	293	10	90	90	
	Fritz Spren	102	do .	118			_	43	a/	34	b/_	-
	W. P. A. test	32	Dec. 17, 1936	266		_	****	171	22	40	24	-
	H. G. Clark	66	Jan. 8, 1937	366		_		110	40	98	50	*
237	W. P. A. test	11_	Dec. 17, 1936	373		_	-	37	10	210	b/.	
	Z. Novick	51	Feb. 21, 1937	432		-	-	262	32	110	<u>b</u> /	-
	Wm. Satler	74	Mar. 18, 1937	145	_	-	_	73	a/	46	<u>b/</u>	**
	John Zahradnick	47	do .	31.8	-	-		85	27	134	<u>b</u> /	-
	Joachin Hinze	46	do •	876		_	-	37	<u>a</u> /	340	230	with the second
	W. P. A. test	12	Dec. 17, 1936	-	-	-	-	-	24	22	21	-
243	do.	21	Dec. 18, 1936		-	_	-	-	<u>a</u> /	20	<u>b/</u>	-
244	Mary Sodolak	57	Jan. 14, 1937	286	***	-	_	195	a/	76	_b/	-
245	W. P. A. test	23	Dec. 18, 1936	72	_	-	_	37	14	14	<u>b/</u>	-
	Jos. Taska	68	Jan. 18, 1937	355	-	-	-	256	a/	86	<u>b</u> /	_
	W. P. A. test	38	Dec. 18, 1936	120	*	-	-	24	20	46	b/	
249	do.	40	Jan. 22, 1937	-	-				40	60	b/	-
	a/ Sulphate less t	han 10	nente nen mill	ion				· · · · · · · · · · · · · · · · · · ·	···			

a/ Sulphate less than 10 parts per million. b/ Nitrate less than 20 parts per million.

Results are in parts per million.

		75 11	··		7 3 3	1 2 4		15.	1 ~ 3	1017	~ ~ ·	F1 1 1
		Depth	Date	Total	Cal-	Magne-	Sodium and	Bicar-	Su _T -	Curo-	Ni-	Total
Well	Owner	of	of	dissolved	cium	sium	Potassium	bonate	phate	ride	trate	hardness
No.		well	collection	solids	(Ca)	(Mg)	(Na ≠ K)	(HCO ₃)	(SO ₄)	(C1)	(NO3)	as CaCO3
		(ft.)		(calculated)	J		(calculated)		_			(calculated)
250	W. P. A. test	18	Jan. 26, 1937	435	_	_		195	12	165	<u>b</u> /	_
251	Ben Stern	92	Jan. 18, 1937	370	_	_	-	244	<u>a</u> /	102	ρ/	-
252	M. N. Allen	5 7	do.	487	-	_	ato .	342	<u>a</u> /	94	40	***
254	C. Kaechele	63	Jan. 19, 1937	343	*	_	-	256	<u>3</u> /	78	b/	•••
255	Alfred Barta	85	₫r.	363	-	-	-	250	3/	94	<u>b/</u>	***
257	F. Parma	97	Jan. 26, 1937	114	***	***		49	ਹੈ/	44	<u>b/</u>	-
258	J. Korcak	97	do.	-	-	***	-	_	ગ/	36	<u>b/</u>	-
	Joe Wasicek	102	Jan. 22, 1937	192	-	_	-	183	್ತ/	24	b/	_
261	I. Minks	96	Jan. 19, 1937	362	e-m	les,		317	3/	60	b/_	
	Johana Zap o lka	64	Feb. 24, 1937	366		-	_	311	32	42	b/	_
275	John Buch: la, Sr.	90	Mar. 24, 1937	406	~	-	-	268	32	90	b/	-

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

