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BRAZORIA COUNTY, TEXAS (West of the Brazos River)

Records of wells, drillers' logs, and water analyses, and maps showing location of wells.

* * * * * *

WORKS PROGRESS ADMINISTRATION

GROUND WATER SURVEY

PROJECT 2080

J. F. Heuser
Project Superintendent

* * * * * * *

Analyses made, maps prepared, data assembled and report mimeographed by, WORKS PROGRESS ADMINISTRATION PROJECT 6507-5112

* * * * * * * * * * *

Sponsored by the State Board of Water Engineers with the Bureau of Industrial Chemistry of The University of Texas and the U. S. Geological Survey cooperating.

* * * * * * * * * * *

Austin, Texas Sept. 10, 1937

BRAZORIA COUNTY, TEXAS (West of the Brazos River)

* * *

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 springs 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. This release was typed and assembled by typists and draftsmen employed on this project.

The eastern part of Brazoria County, east of the Brazos River, was partially covered in 1931 and 1932 by the U.S. Geological Survey and the Texas Board of Water Engineers in connection with an investigation of the ground-water supply of the Houston-Galvesten area. Therefore, the field work on the present project was limited to the western part of Brazoria County, west of the Brazos River.

The field work in Brazoria County was started on October 1, 1936, and was completed on November 24, 1936. This project was Project 2080 of District 6 of the Works Progress Administration, Houston, Texas. J. F. Heuser, a geologist, was project superintendent. Mr. Heuser desreves credit for his work and for the many extra hours he spent on the project. The Houston office of the Works Progress Administration made this work possible by their constant help and cooperation.

This release contains the well and spring 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 springs. Locations of all wells and springs listed are shown on plates 2 to 4 inclusive in the back of the release.

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

Records of wells and springs in Brazoria County, Texas

(Records of wells and are bored or drille					uloo Ba	ımrı)
	ATT METTS	are object of diffie	d anresp outerwise	110000		CONTEST YES	1	Height of
No.	Distance	Owner	Driller	Topo-	Date	Denth		measuring
NOT	from	001101	51 11101	gra-	com-	of	eter	point
	East			phio	Ī.	well	of	above
				situ-	_		well	ground
	Columbia					(100)	2	
	<u> </u>			ation		0 545	(in.)	(ft.) a/
₫/ Z	13 miles	Mrs. Belle Wisdom,	f .		1929	2,745		
	northwest	.	Co•	<u> </u>	<u> </u>			
6	10点 miles	Lutman Lumber Co.	Ben Weinbrener	Flat	1932	110	2	
	northwest							1
7	10 miles	A. R. Eversole	do•	do.	1932	110	2	
	northwest				1			
8		W. M. Terry	do.	do.	1930	160	3	
·	40.	lite rio rorry	404	40.	1.000			1
70	do•	Andrea Basala			1937	60	2	
10	40.	Antone B o sak			1901	80		<u> </u>
								<u> </u>
12	10 miles	J. W. McElveen	Powell	Flat	1918	130	25	
	north	l						
13	92 miles	Mrs. R. L. Nash	Ben licKinney	do.	1934	145	2	
	north			İ	ĺ		•	
14	9 miles	Mrs. Kitty Nash	Ben Weinbrener	do.	1935	160	3	***
	north		2 332 77 3 33 3 3 3 3 3				1	1
15	10 miles	A. L. Bennett	do.	do	1934	190	14	
10	1	W. T. Deime of	40•	0.0	1304	120	1 4	
	north				3000			
17	9≅ miles	G. D. Birdwell	do∙	do.	1933	105	3	
	north							
18	9 miles	Thomas Kolaja, Sr.	Thomas Kolaja, Jr.	do.	1915	80	2	***
	north			j			İ	
20	9을 miles	Mrs. Kitty Nash	Ben McKinney	do.	1926	138	2	
	north	·	ů	1			İ	
21	10 miles	W. M. Schlaht, Sr.	Dick Fleschner	do.	1933	60	35	
~-	north	We in Dunauit, Di	Dior I robolinoi	40.	1300	00	0;3	
22	. 	S. L. Crockand	do.	do.	1933	65	2	
22	400	D. L. Crockand	αο.•	αο.	1900	00	2	
~~~~~	<del> </del>							
23	do•	Mrs. R. L. Nash	Ben HcKinney	do.	1934	125	- 3	
				<u> </u>		<u> </u>	<u> </u>	
24	do.	Fred Schlaht, Sr.	Dick Fleschner	do.	1934	102	25	
	l				i			
25	10g miles	Mrs. R. L. Nash	ent Mil	do.	1920	250	3	
	north			•	l	1		
27	9늘 miles	Nash School	Ben McKinney	do	1933	120	2	
M f	north		work morranicy	""	1	1 -20	"	1
28	do.	Nac Vitte Nort	do•	do.	1930	110	3	<b></b>
40	αο	Mrs. Kitty Nash	<b>ao</b> •	ao.	TASO	110	ا ا	~-
<del></del>	<del>                                     </del>			<u> </u>	7.2-			
29	do.	do.	***	do.	1915	60	2층	
h-1-2	<u> </u>				<u> </u>	<u> </u>		
31	9 miles	A. Bertran	Dick Fleschner	do.	1936	56	2	
	north			[	ĺ	1		1
32	8g miles	Mrs. Kitty Nash	Ben McKinney	do.	1917	100	2	
	north	· ·	*	1				}
45	7号 miles	C. Matula	C. Hatula	do.	1913	65	3	
-0	northwest		0 + 1100 aga			, 50		
17	7 miles	R. Russel	R. Russel	do.	1933	95	<del></del>	
** 1	4	To Engant	v• vasser	uo.	TAOO	90	12	
<del></del>	northwest			<u></u>				
48	9호 miles	R. R. Farmer	L. Patterson	do.	1915	420	4	datio love
	northwest							
				I				
9/ 1/00	າ ຕາ ເທາ ກາດ ຕໍ່	nt was usually ton	of operan					

a/ Measuring point was usually top of casing.
b/ A, air lift; C, cylinder; T, turbine; E, electric; G, gasoline engine; Gs, gas engine; H, hand; W, windmill; number indicates horsepower.

Records obtained by J. F. Heuser, Project Superintendent

(Ch			of wat	ter fr	om these wells and springs are in the table of analyses.
<b>N</b> T	1	Level	Th	TT	Remarks
MO.		Date of measure-		Use of	Remarks
	measu	-	power	-	
	ing po		b/	<u>c/</u>	
	(feet)		3/		
2					Oil test. Located in A. Darst survey, block 51, center of lot 51. Well No. 3. See log.
6		20 Apr	-,E,-	D	Tubing, top to bottom. Reworked in 1936. Located at Texaco station, Damon.
7	<del> </del>		-,E,-	D	Tubing, top to bottom. Water reported in sand, 100- 110 feet. Located in Damon.
8			C,G,-	D	Galvanized steel casing, top to bottom. Water reported in sand, 110-120 feet, 145-160 feet.
10	~=	was	C,H	D	
12			C,H,W	D	
13			C,W	S	
14		gally and	C,W	S	Located in pasture, g mile south of road.
15		#	C,H	D,S	3\frac{1}{4}-inch casing at top.
17		40 14	C,W	D,S	
18		B0 144	C,H,W	D	Tenant reported well frequently sands up.
20			C,W	S	
21			C.W	D	ander aller
22		NA 100	C,H	D	
		Marine of a street of the section of the section of			
23			C,W, G,5	S	
24		wh on	C,H,W	D	
25		and the	A,G, 10	D	
27		= 4=	C,H	D	Casing, top to bottom.
28			C,W	S	3½-inch casing at top.
29		pr 148	C,H	D	
31			C,H,W	D	$2\frac{1}{R}$ -inch tubing at top.
32			C,W	S	Well sands up frequently.
45		sal 40	С,Н, G,-	D	Galvanized iron casing. Temperature 68° F.
47			C,W	D	Tubing, top to bottom.
48	Flows	Oct. 21, 1936	None	S	Estimated flow, 8 gallons a minute, 4 feet above ground. Casing, top to bottom. Owner reported water, 400-420 feet.

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

**-5** 

		Red	ords of wells and a	≈5 <b>≈</b> springs in Brazori	la Coun	ty <b>-</b> -Co	ntinue	ed	,
No.		Distance from East Columbia	Owner	Driller	Topo- gra- phic situ-		Depth of	Diam- eter of well	Height of measuring point above ground
····	49	6 miles	Rudolfo Buchta	C. Latula	ation Flat	1932	95	(in.)	(ft.) a/
		northwest 6 miles	R. N. Pollard	R. N. Pollard	do.	1934	80	1출	
	1	northwest	The Texas Company	F. F. Powell	do.	1920	577	4	ari ba
ď/		northwest 3 miles	do∙	PR 100	do.		678	6	
<u>d</u> /		northwest 3 miles	State Highway	es ps	do.	1935	135	4	4.4
		north 4호 miles	Department Geo. Tinsley	Ben Weinbrener	do.	1935	150	2	er ==
•	66	northeast In East	T. M. Smith	L. Patterson	do.	1917	692	2	***
<u>d</u> /	67	Columbia do•	do•	do.	do.	1914	500	2	A.
-	68	do.	Dr. M. A. Weams	do•	do.	1928	500	3	
	69	do•	John Craig	do•	do.	1918	635	3	del vos
	70	do.	East Columbia	do.	do.	1925	688	3	p
	72	1 milo	School Humble Oil &	Crown Oil Co.	do.	1914	750	4	
	73	west do.	Ref. Co. do.	do•	**	1914	750	5	ed =5
	75	la miles	E. J. Hagemoier	ed die		1922	502	3	-
******	76	west do.	T. M. Smith	T. H. Smith	Flat	1920	495	4	99.44
<u>d</u> /	77	do.	do •	do•		1918	600	4	
	78	24 miles west	Humble Oil &	Humble Oil & .	Flat	1920	640	6	80 147
	82	3 miles west	Ref. Co. J. A. Rogers	Ref. Co.	do.	1933	60	Ā	
<b>W </b>	83	3호 miles west	F. L. Wisc	Ben Weinbrener	do.	1934	320	21	
₫/	85	la miles west	Equitable Mining Co.	\$40 Per	,		500		
•		3½ miles west	F. N. Bullock	B. F. Hodges	Flat	1915	750	4	
<del></del>		3¼ miles west	do.	do•	do.	1916	700	5	~=
****		3½ miles west	do•	L. Patterson	do.	1920	762	3-3/8	pan Bus
		4g miles west	R. R. Farmer	Ben Weinbrener	do	1935	100	2	pip and
	92	do•	W. G. Smith	W. L. Brown	do.	1932	37		100 000
		$4\frac{8}{4}$ miles west	R. R. Farmer	L. Patterson	do.	1918	613	2	Ağı ára
<u>d</u> /		5 miles west	do.	R. R. Farmer	do.	1936	39	4	,

-6Project Superintendent

				J. F.	Heuser, Project Superintendent
	•	Level			
No.		Date of	Pump	Use	Remarks
		measure-	and	of	
	measur		power	, ,	
	ing po		<u>b</u> /		
	(feet)	) 			Colonia de la la la la la la la la la la la la la
49			C,H	D	Galvanized pipe, top to bottom.
			A 3.7		a has reduced to I stabou of
51	<b>0009</b> 500		C,W	D	2-inch galvanized pipe at top, reduced to 14 inches at
55				Ind	bottom. 532 feet galvanized iron casing. Water reported, 532.
99			A,-, 30	ind	577 feet. Located in West Columbia.
56				D Tod	8-inch galvanized iron casing at top, reduced to 6
50			A,-, 30	THU.	inches at bottom. Located in West Columbia.
57	18.7	Nov. 6.		N	Water level measured from top of airline.
01	10.1	1936		1.0	MACOOL TOACT WOODALOG TION OOD OF ATTITUDE
61		1300	C,W	D	4-inch casing at top.
<b>0 1</b>			· · · ·		1.4HOH OWDING GO OOP
66	Flows	Mov. 10,	G	P	Flows 72 gallons a minute, 6.5 feet above ground.
	1 2011	1936	, , ,	_	Owner reported water, 672-692 feet. Temperature 73°F.
67	Flows	do.	C,W	N	Water level 1.4 feet above ground. Owner reported
٥.	1 2000	1	°,	•	well flowed 4 feet above ground when drilled.
68	Flows	do.	-,G,-	D	Estimated flow, 6 gallons a minute, 5 feet above ground.
69	Flows	do.	None	D	Flows 15 gallons a minute, 9.5 feet above ground.
					Neighbor reported well flowed 45 feet above ground
70	Flows	do.	None	D	Flows 15 gallons a when drilled. Temperature 730 F.
					minute, 7.5 feet above ground. Neighbor reported
72	Flows	Oct. 26,	None	N	Flows 5 water, 668-688 feet. Temperature 73°F.
	! 	1936			gallons a minute, 3 feet above ground.
73	Flows	do.	None	И	Flows 4 gallons a minute, 3 feet above ground.
75	Flows	Oct. 13,	A,G,	D	Flows 5 gallons a minute. Located behind Brazos Hotel,
		1936	E,-		West Columbia.
76	Flows	do.	A,-,-	D	Flows 20 gallons a minute, 10 feet above ground. 480
					feet casing. Water reported, 480-495 feet. Located
77	Flows	do•	None	Ď	Water level reported 30 feet above in West Columbia.
	L				ground. 560 feet iron casing. Well capped at time of
78	Flows	do∙	-,E,	D	Water level 5 feet visit. Located in West Columbia.
		<u> </u>	35		above ground. Iron casing, top to bottom. Located in
82			C,H	D	Water reported, 45-60 feet. West Columbia.
	<u></u>		<u> </u>		
83	F.Toms	Oct. 14,	C,H	D	Estimated flow, 6 gallons an hour, 0.5 foot above
	<b></b>	1936	ļ	<b></b>	ground. Galvanized pipe, top to bottom. Temperature
85					Located at Eiser Heights. See log. 70° F.
	123	0.3	ļ		
86	F.TOMS	Oct. 14,	None	D	Flows 2 gallons a minute, 4 feet above ground. 740
Off	<b></b>	1936	77	-	feet iron casing, reduced from 4 to 3 inches.
87		do.	None	S	Flows \( \frac{1}{2} \) gallon a minute at ground level. 700 feet of
	70.7	0.04 3.77	\	<del></del>	casing, reduced from 6 inches to 5 inches.
४५	H.TOM2	Oct. 13,	None	D	Estimated flow, 20 gallons a minute, 20 feet above
90	<del> </del>	1936		<u> </u>	ground. 742 feet iron casing. Water reported, 742-
90	**~		C,W	S	762 feet. Temperature 70° F.
92			C,W	D	
36			U,W	ע	
94		Oot. 21,	None	D	Estimated flow, 4 gallons a minute, 8 feet above
94		1936	MOTIG	ע	ground. Tubing, top to bottom. Water reported, 587-
95	22.8	do•.		N	Water level measured from top of easing,   613 feet.
90	24.0	uo.	<b></b>	TA	which is 0.5 foot above ground. Casing, top to bottom.
	<u> </u>	L	L	<u> </u>	willow is one took above ground. Casing, top to bottom.

	Red	ords of wells and	springs in Brazori	a Count	cyCo	ntinue	ed	
				_		_		Height of
No $\bullet$	Distance	Owner	Driller					measuring
	from			gra-	com-	οf	eter	point
	East			phic	ple-		of	above
	Columbia			situ-	ted	(ft.)	well	ground
				ation			(in.)	(ft.) a/
96	5 miles	R. R. Farmer	L. Patterson	Flat	1936	GO	4	1
	west							
99	7 miles	B. N. Crouch	B. N. Crouch	~~	1915	665	4	₩#
	west							
100	do.	do.	do.	Flat	1930	365	4	***
102	do.	unt beg	80 pm	River		Sprin	10	
				bank		_		ļ
103	do.		agustus territorias en estados de 190.	do.	~~	Sprin	7	
					1		ľ	
104	do.	<b>+ +</b>		do.		Spring	<u> </u>	
							ſ	
105	do.		w ##	do.		Spring	<u> </u>	
		St. de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de				1-1	Ĭ	
106	7늘 miles			do.	<u> </u>	Sprin	ρ'	
200	west		-	wo•		D [2. 11.1	ာ 	
107	8 miles		tid Auf	do.		Sprin	<u>()</u>	
701	west			uo.		DPI LII	5	
708	8 miles			do.		Spring	ŗ <b></b>	
100			w m	0.0 •		ODI TH	5 <b></b>	
7.00	west			do.		Convoi		
109	do.			0.0		Spring	() <del>****</del>	
					<b></b>	Contract		
110	do.	~~	₩#	de.		Spring	G	
	<del></del>				ļ	<u> </u>	L	-
111	do.		ush ore	do.	~~	Sprin	g	
	-				2000	0.55	ļ	<u></u>
116	122 miles	Humble Oil &	Humble Oil &	Flat	1930	650	4	<b>-</b> -
	west	Ref. Co.	Ref. Co.				<b></b> _	
117	13 miles	Danciger Oil &	Danciger Oil &	do.	1934	700	5	0
	west	Refining Co.	Refining Co.				<u> </u>	
118	do.	do•	do•	do.	1933	139	6	
-							<b></b>	
120	12호 miles	0. L. Hodge, Jr.	C. L. Bundick	do.	1933	142	2	0
	west			L	L		L	
121	13 miles	Danciger Oil &	Dancigor Oil &	do.	1935	156	4	700 000
	west	Refining Co.	Refining Co.				Ì	į
					1		1	Height of
No.	Distance	0wne <b>r</b>	Driller	Topo-	Deta	Den+h	Diam-	
74 O B	from	OMITOR	142 TTT 12	gra-	com-	of	ctor	point
	Brazoria				•	well	of	abovo
	DIAZUITA			phic situ-	plo-	1	1	
	1			ł	tod	(ft•)	well	ground
- 600	0-1		ericker in de kommunische vorder und der erichte vorder und der erichte der der er tion	<b></b>	600	(in.)	(ft.) a/	
200	9g miles	<b>₩ 14</b>	##	Flat		600	2	
<del></del>	west				1000		<u> </u>	
216	3½ miles	J. S. Montgomery	Geo. Potvin	do.	1935	85	2	0
	west							
217	$2\frac{1}{2}$ milos	W. H. Brigance	Fred Powell	do•	1916	500	2	******
	west							
								60
2/ Ma	ogusing poi	nt was usually ton	of apping.	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	

a/ Measuring point was usually top of casing.
b/ A, air lift; C, cylinder; T, turbine; E, electric; G, gasoline engine; Gs, gas engine; H, hand; W, windmill; number indicates horsepower.

				J. F.	Heuser, Project Superintendent				
ter estimate de la constitución de la constitución de la constitución de la constitución de la constitución de	Water	Level							
No•	Depth	Date of	Pump	Use	Remarks				
	below	measure-	and	of					
	measur	- ment	power	water					
	ing po		<u>b</u> /	ु∕					
96	27.3	Oct. 21, 1936	C,H	S					
99		ed 110	-,G,-	D	Well flowed at surface in summer of 1936.				
100		and and	C,W,	D					
102	Flows	Nov. 18, 1936		N	Estimated flow, 10 gallons a minute from opening in sand. Located $1\frac{3}{4}$ miles south of Cedar Break Bridge				
103	Flows	do.	None	N	Flows 7 gallons a minute from over San Bernard River. 2 openings in sand. Numerous springs in locality south				
104	Flows	do.	None	И	Esti- of bridge, but none observed north of bridge. mated flow, 15 gallons a minute from opening in sand.				
105	Flows	do.	None	S	Estimated flow, 20 gallons a minute from opening in sand.				
106	Flows	Nov. 16, 1936	None	N	Flows 3 gallons a minute from 2 openings in sand.				
107	Flows	do.	None	N	Flows $\frac{1}{2}$ gallon a minute from opening in sand.				
108	Flows	do•	None	N	Do.				
109	Flows	do.	None	N	Flows # gallon a minute from opening in sand. Located on San Bernard River at Cedar Break Bridge.				
110	Flows	Oct. 23, 1936	None	И	Estimated flow, 2 gallons a minute from opening in sand. Located on San Bernard River at Danciger road				
111	Flows	do.	None	N	Estimated flow, la gallons a minute from opening in sand.				
116		edi pe	C,Gs, E,-	D	photography description of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the				
117	20	<u>e</u> /	A,-	Ind	Located at Danciger.				
118		qual tural	A,-	Ind	Do.				
120	18	<u>e</u> /	-,E, G,10	D	Do.				
121			A , -	D	Do.				
<del> </del>	Water	Level							
No.		Date of	Pump	Use	Remarks				
740.		measure-		of	TOWN AD				
	measur	1 1							
į	ing po		b/	,					
	(feet)		27	್ತ⁄					
205	Flows	Oct. 26, 1936	None	S	Estimated flow, 6 gallons a minute. Water level, 4 feet above ground.				
216		<u>e</u> /	C,W	S					
		Oct. 15, 1936 May 20,	None	D	Estimated flow, 25 gallons a minute, Oct. 15, 1936, with no subsequent apparent change. Owner reported water level, 17 feet above ground, Oct. 15, 1936.				
		1937			more rever, it read above Stodied Ogge to Tagos				
c/ D			l, indu	strial	; P, public; S, stock; N, not used.				

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

-9-Records of wells and springs in Brazoria County--Continued Height of Topo- Date Depth Diam- measuring No. Distance Owner Driller gracomof eter point from above well of phic ple-Brazoria situ- ted (ft.) well ground (in.) (ft.) ation 822 F. Harris 1924 220 g mile Smith Bros. north Gin Co. Flat 125 2 0 Brazoria Colored 221 In Brazoria Public School Brazoria Public do. 1934 125 222 do. School 4 223 do. County Court House do. 1896 1,200 ---Geo. Potvin 224 do. Stranger Bros. 1930 140 4 -- $227 \frac{13}{4}$  miles 1926 494 3 O H. C. Hayslip L. Patterson Flat southwest •3 228 In 1926 150 J. S. Hontgomery do. Brazoria  $230\frac{5}{4}$  mile 2 Ran. Prel 1930 126 0 Aug. Potvin do. southwest L. J. McNeill L. J. McNeill do. 1935 40 2 234 35 miles southwest J. O. Fossel J. O. Fossel do. 1930 460 236 45 miles --southwest 2.5 d/237 do. 1937 57 2층 0 do. do. do. 2 238 5 miles W. H. Burns -- Powell do. 1909 510 west 1930 120 2 239 8 miles Clyde McKinnoy -- Burford do. west 240 do. M. L. Smith do. 1935 185 5 do. R. D. McDonald 1912 500 6 Ó 241 do. 242 85 miles R. R. Ramey do. 1910 1.60 4 west 243 8 miles A. K. Warters 175 4 do. 1933 0.6 west 0.6 d/244 J. R. Smith 1890 500 do. do. 0 245 do. F. F. Powell do. 1917 500 do. d/246 11 milos Bornard River Transcontinental 1923 4,783 G --wost Land & Dev. Co. Oil Co. G. C. Davis Flat 48 249 8号 milos 40 0

southwest

J. F. Heuser, Project Superintendent

	<del></del>			J. F.	Heuser, Project Superintendent
ļ		r Level			
$No \bullet$	Depth	Date of	Pump	Use	Remarks
	below	measure-	and	$^{\mathrm{10}}$	
	measu	r- ment	power	water	
į	ing po		b/	<u>o/</u>	
	(feet			<i></i>	
220		Oct. 14,	Tono	Ind	Flow, May 20, 1937, 72 gallons a minute through 2-inch
المم	FIOMS		140116	LIIU	pipe, 2.7 feet above ground. Driller reported no known
		1936			
	F'LOWS	May 20,			change. Temperature 70° F.
		1937			
221	17	€/	C,W	P	Resident reported water level as of Spring, 1935. Tub-
		_			ing reduced from 3 inches at top to 2 inches at bottom.
222		~ m	-,E,-	P	<u>Marine Propriet Contract Contract (Marine Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Con</u>
223	Flows	Oct. 14,	None	И	Flows 4 gallons a minute, 3 feet above ground. Casing
220	1 20110	1936	110210	"	reduced from 6 inches at top to 4 inches at bottom.
224		1300	A 377	D	Owner reported water level, 27 feet above ground in
224			A,E,-	ע	
-					1930. Supplies Red & White store.
227	4.5	Oct. 22,		D,S	Casing, top to bottom. Owner reported water from
		<b>1</b> 936 ·	i 40		depth, 466-494 feet, and pumping level, 26.7 feet, May
	11	€/			17, 1937.
228			-,G,8	D	anguiga againg anguiga ga ga apa ab an dan dan dan dan dan dan dan dan dan
230	18		C.W	D	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
ಒಂದ	10	<u>e</u> /	0,11		
60.4					
234			C,W	D	
236	Flows	Oct. 15,	None	D	Estimated flow, 4 gallons a minute. Owner reported
		1936		i	supply from depth, 440-460 feet and water level 3 feet
		May 20,	A,-		above ground, Oct. 15, 1936. Well stopped flowing
		1937	,-		from pipe, 2.3 feet above ground, April 16, 1937.
		7901			
-					Drop in water level probably due to clogged screen.
237	18	€/			Owner reported water in fine, blue sand, 55-57 feet.
					Well not completed.
238	Flows	Oct. 15,	None	D,S	Neighbor reported flow of 10 gallons a minute, and
		1936			water level, 14 feet above ground, Oct. 15, 1936.
	F1 ows	May 19,			Owner reported on May 19, 1937, no apparent change in
	1 70110	1937			well.
239			77	D	ACTIO
203			-,E,-	ן ע	
					andre de la destación de la la destación de la dela la la dela dela la la dela de
240			C,H	N	Located at Sweeney.
				l	
241	0	Oct. 26,	A,-	P	Neighbor reported well flowed when drilled. Located
		1936			at Sweeney.
242		==	A,	Ind	Supplies Sweeney Cotton Gin.
			,		
243	16 8	Oct. 26,	-,E,	P	Located at Sweeney.
220	1.040	1936	10	-	booked at bweeney.
	300		10		
	16.6	May 19,			
		1937			
244	3	<u>e</u> /	None	И	Owner reported water level as of Oct., 1936. Reported
	1.7	May 19,			well flowed when drilled. Casing broken.
		1937			6
245		===	-,E,~	D	Owner reported well flowed when drilled. Located at
~ = 0			74.5	~	Sweeney.
246					
<b>4</b> 0			~-	<b>**</b>	Oil test. Located in Chas. Breone league, block 48.
أحيب					Well No. 1. See log.
249	TS.8	Nov. 19,	C,W	D	Dug well. Tile casing.
		1936	-		

	Re	cords of wells and	springs in Brazori	a Coun	tyCo	ontinue		-4
•								Height of
No•	Distance	Owner	Driller					measuring
	from			gra-	com-		eter	point
	Brazoria			phic		well	of	above
				situ-		(ft.)	well	ground
	<u> </u>			ation			(in.)	(ft.) a/
250	8 miles	G. C. Davis	G. C. Davis	Flat	1935	92	$2_{\odot}$	~
	southwest					ĺ		
252	7 miles	W. Martin	L. Patterson	do.	1925	535	2등	
	southwest						l	
				l			İ	•
256	5g miles	Chas. Brewer	D. W. Powell	do.	1918	562	2	
	southwest	}		l				
				İ				
258	43 miles	A. J. Proebstle	L. Patterson	do.	1916	125	2	
ಒಳಿ		ł	Le racterson	uo.	1910	120	-	<b>-</b> -
0.50	southwest			<del> </del>	7000	- OF 6	<u> </u>	
259	5 miles	do.	Shell Pet. Co.	do.	1926	850	2,5	
	southwest		1			1	]	
	ł						1	
				1				
d/260	do.	do•	do.	do.	1927	60	2	m
			į					
d/261	do.	do•	do.	do.	1926	60	2	en —
	1			}				
264	44 miles	R. R. Kropp	R. M. Fletcher	do.		40	2	
	southwest		111 110 1 110 001102	3.00		1	1 ~	
267	2章 miles	Hinkle	~~	do.	1926	57	3/3	1.6
201	south	IIIIRIG		40.	1320		0,3	1.00
200	4 miles	7.00		<del> </del>	1000	740	<del></del>	
209	1	Jefferson Lake	L. Patterson	do.	1936	746	2	
	south	Oil Co.						
			ł					
	L					<u> </u>		
270	do•	do.	Layne-Texas Co.	do.	1937	497		
						1	5/8	
								ł
d/271	do.	do.	L. Patterson	do.	1937	500	12	***
	I							
d/272	do.	do.	do.	do.	1937	495	10	
<u> </u>			1		2001		30	
				]				
							•	
000	<del>                                     </del>		Towns a Marie of		7000	100	-	
273	do.	do∙	Layne-Texas Co.	do•	1937	497	13-	0
000	<b></b>	61 - 7			1010		5/8	
277	do.	Clemens State Farm		do∙	1912	600	15	
			:					
d/278	45 miles	do∙	Roxana Pet. Corp.	*** ==	1926	3,102	9	
	south		, "					
	1							
279	6 miles	P. McNeill	Eberspacher Bros.	Flat	1930	505	25	
	south						~;;	
		1						handrada bada karana a
201	8을 miles	L. J. McNeill	7 Deddara		3036	700		<del></del>
COT	, ,-	Te of HCM6111	L. Patterson	do•	1915	700	2	
	south							•

J. F. Heuser, Project Superintendent

				J. F.	Heuser, Project Superintendent
		Level			
No $\bullet$		Date of	Pump	Use	Remarks
		measure-	L.	of	
	measur		. ,	. , ,	
	ing po		<u>b</u> /	<u>c</u> ∕	
	(feet)	)			ى دەرۇسىيىدۇرىغار دۇسىيە ئىلىنىدۇرىغاردىنى دېرۇسىيەن ئېرىنىدۇرىغاردىنى دېرۇسىيەن ئېرىنىدۇرىغاردىنى دېرۇسىيەن ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدىنىدۇرىغاردىنى ئېرىنىدۇرىغاردىنى ئېرىنىدىنىدىنى ئېرىنىدۇرىغاردىنى ئېرىنىدىنى ئېرىنىدۇرىنى ئېرىنىدىنى ئېرىنىدىنى ئېرىنىدۇرىنى ئېرىنىدۇرىنى ئېرىنىدۇرىنى ئېرىنىدۇرىنى ئېرىنىدۇرىنى ئېرىنىدۇرىنى ئېرىنىدۇرىنى ئېرىنىدۇرىنى ئېرىنىدۇرىنى ئېرىنىدىنى ئېرىنىدۇرىنى ئېرىنىدىنى ئېرىنىدۇرىنىدىنىدۇرىنى ئېرىنىدۇرىنىدىنى ئېرىنىدۇرىنىدىنى ئېرىنىدىنىدىنى ئېرىنىدىنىدىنىدۇرىنىدىنىدىنىدىنىدىنىدىنىدىنىدىنىدىنىدىنى
250	~~	-1	C,H	D	
252	Flows	e/	None	D,S	Owner reported well formerly flowed 2-3 gallons a min-
					ute. Flow, 9 gallons an hour, May 18, 1937, on which
					date owner reported water level 1 foot above ground.
256	Flows	Oct. 15,	Nono	D	Owner reported flow of 10 gallons a minute, Oct. 15,
		1936			1936, and no change in flow to May 19, 1937. Water
	Flows	Hay 19,			level, 4.3 fcot above ground, Oct. 15, 1936, and 4.8
		1937			foet above ground, May 19, 1937.
258	NO 340		C,W	D	
259	Flows	Oct. 22,	None	S	Owner reported water level 38 feet above ground, Oct.
		1936			22, 1936, and flow of 75 gallons a minute. No change
	Flows	May 20,			in flow reported on May 19, 1937. Temperature 72° F.
		1937			
260			C,H	D	
261	~~		C,H	D	
264		~~	C,H	D	
~~~					
267	18•T	Oct. 22,	C,W	N	
		1936			
269	Flows	do•	None	D, Ind	Known as Patterson No. 1, Clemens Dome. Estimated
					flow, 30 gallons a minute, Oct. 22, 1933. Tested at
		May 19,			74 feet; water level, 19 feet below ground. Tested at
		1937			483 and 736 feet; in both instances water flowed over
					casing, 2.4 feet above ground. Well not pumped now.
000				To 3	See log. Temperature, 72° F.
270			Т,Е,-	Ind	Water level reported 25 feet below surface when pump-
					ing 400-500 gallons a minute continuously. Has oper-
					ated 24 hours a day since May 7, 1937. Welded steel casing. Knewn as Purdy No. 1.
271				N	Known as Weims No. 2. Wolded steel easing. Produced
211			A	1/1	· · · · · · · · · · · · · · · · · · ·
272	Flows		T,E,-	Ind	100 gallons a minute when drilled. See log. Known as Weims No. 1. Water level reported 1 foot
616	LTOMS	<u>e</u> ∕	L p D y -	1110	
					above ground, Feb., 1937. Reported capacity, 250 gal- lons a minute. Has operated 24 hours a day since
					April 15, 1937. Located at sulphur plant site, Clemera
273	25		T.E.	Ind	Known as Furdy No. 2. Reported capacity, 400- Dome.
W10	Ne	<u>°</u> /	و تندو ش	411CL	500 gallons a minute. Has operated 24 hours a day
277	6		C,G,6	D	Well No. 3. Measuring point, top since May 7, 1937.
1211	U	<u>9</u> /	ن و تا و ت	ا د	of casing. Water level reported as of Summer, 1935.
	12	May 19,			Resident reported water, 560-600 feet, and that well
		1937			flowed when drilled.
278	ga) ===	1001			Oil test. Well No. 3. Located in John Relicil league,
~. ~			- —		12,050 feet from east line and 3,301 feet south of
					north line. 164 feet $12\frac{1}{2}$ -inch casing; 3,089 feet 9-
279	Flows	Oct. 22,	None	D	Owner reported water level 18 feet above inch casing.
		1936	210110	,	ground, Oct. 22, 1936. Estimated flow, 15 gallons a
		May 19,			minute. Well stopped flowing latter part of April,
1		1937			1937. Temperature 71° F.
281	Flows	Oct. 27,	None	S	Estimated flow, 2 gallons a minute. Water level, 2
~~-	, a 0 11 13	1936	110110		feet above ground.
					* See log.
					. 550 17/{ (

Records of wells and springs in Brazoria County--Continued

	Red	oords of wells and	springs in Brazori	a Coun	tyCo	ntinue	od	-
								Height of
No.	Distance	Owner	Driller	Topo-				neasuring
	from	{		gra=	com-	of	eter	point
	Brazoria			phic	ple-	well	of	above
			,	situ-	ted	(ft.)	well	ground
				ation			(in.)	(ft.) a/
282	8 miles	E. D. Pearson	Eberspacher Bros.	Flat	1930	485	2	
	south				<u> </u>	1	ĺ	
						1		İ
d/283	do.	C. C. Hampil	Powell	do•	1920	550	2	ad 140
2							ĺ	
				1				
284	8 miles	J. T. Hinkle	do.	do.	1920	568	2_{ij}	25,110
201	south		201				1	
	304011			1		l	l	
				1		İ		}
285	9 miles	do•		do.	1917	560	1 2	
200	south	uo•	 -	40.	101.	000	· ~	
	South					l		
206	10 miles	T. J. Poole	L. Patterson	do.	1918	580	3	
200	south	1. 0. 10010	M. tactorson	40.	1310	300		
207	92 miles	do.	Powell	do.	1915	580	2	
401		ao.	LOWGIT	αο.	Tata	300	-	
	south						1	
3 /000	0 -31-	3_	Classia Data Care		1020	5, 953	- 64	
<u>a</u> /208	9 miles	do∙	Shell Pet. Corp.	PR 500	1920	0,900	64	
	south							
200	10		what was a great and a second a	T37 c.±	1071	580	2	0
289	10 miles	do∙		Flat	1931	500	-	U
3 /000	south		1		3007	C 227	ļ <u>.</u>	
₫\590	9½ miles	Allen Bernard Rive	i		1927	5,337	3	
	south	(State permit)	Corp.		7010	F00	<u> </u>	
291	10 miles	T. J. Poole		Flat	1910	580	3	
	south						<u></u>	
292	12 miles	do•	L. Patterson	do.	1917	600	2	W- CO.
	south							
293	ll miles	do.	do∙	do.	1918	590	2	
	south							1
							<u> </u>	
294	10 miles	J. L. Ducroz	Eberspacher Bros.	do.	1930	542	2	
	south	4		1				
295	9 miles	M. N. Percy	pro age	do.	1910	500	2	0
	south					ļ		
		!						
296	ll miles	Craig Estate	Powell	do.	1916	600	2	pet art
	south						1	

J. F. Heuser, Project superintendent

				J. F.	Heuser, Project Superintendent
	Water	r Level			
No.	Depth	Date of	Pump	Use	Remarks
	below	measure-	and	of	
	measu		power	water	
	ing po		b/	∘/	
	(feet		<u> </u>		
282		Oct. 27,	None	D	Reported water flowed 15 feet above ground, Oct. 27,
303	1 2000	1936	2.0220	_	1936, at which time well flowed 75 gallons a minute.
	•	May 18,			Well stopped flowing, May 1, 1957. Supply now
		1937			obtained by siphon.
207	707	May 19,	Nonc	s	Heighbor reported water level, 22 feet above ground
200	LTOMS		MOHC	۵	
		1937			when drilled and strong flow, April 19, 1937. Water
					level, May 19, 1937, 1.4 feet above ground. Very weak
					flow at present.
284	Flows	do.	None	D,S	Owner reported flow of 55 gallons a minute and weter
					lovel 17 feet above ground when drilled. Flow began
	}				to docrease April 19, 1937, and has now diminished to
					2 gallons a minute. Water lovel, May 19, 1937, 2.4
285	Flows	do.	None	S	Estimated flow, 4 gallons a minute. feet above ground.
				•	Water level, 2.7 feet above ground. Owner reported
	İ				flow is decreasing.
286	Flows	llay 18,	None	S	Flows 3 gallons a minute, 3 feet above ground. Tenant
		1937			reported well flowed 60 gallons a minute through 3/8-
287	Flows	do.	None	D,S	Flows 2 gallons a minute, 3! inch choke Har. 18, 1937.
3 0.	1 20.10		1,0110	,,,,	feet above ground. Tenant reported flow, 5 gallons a
	1				minute until May 11, 1937.
288					Oil test. Well No. A-2. Located in T. & W. Alley
200					Survey, 660 feet from East line and 2,643 feet
				!	south of northeast corner of 287 acre tract. 1,505 feet
000			A 77 77		
289	4	_ 2∕	C,H,W	D	122-inch casing, 4,551 feet 84-inch casing. Sec log.
-		<u> </u>	ļ		Pumping level, 14.3 fect below ground.
290					Oil test. Located in J.G.& G.W. LeNoel loague, north-
**********					west corner, 801 feet east and 2,489 feet south of
291	Flows	May 18,	None	D	Very weak flow at ground northwest corner. See log.
		1937			level. Owner reported gradual decrease in flow since
292	Flows	do.	Mone	S	Flows 17 gallons a minute, 2.6 feet above ground. 1921.
	<u> </u>				Flow decreased greatly since hay 4, 1937.
293	Flows	do•	None	S	Tenant reported well flowed 20 gallons a minute when
		1	į	1	drilled and gradual decrease subsequent to latter part
					of April, 1937. Flow, Hay 18, 1937, 45 gallons a min.
		Į.			ute, 3,3 feet above ground.
294	Flows	do.	None	D,S	Flows 5 gallons a minute, 3.7 feet above ground. Own-
					er reported well flowed 15 gallons a minute in Feb.,
	İ				1937. Temperature 76° F.
295	4	e/	None	D,S	Tenant reported water level 7 feet above ground and
200	1	<u>e</u> /	1,0110	2,0	flow of 20 gallons a minute prior to April, 1937.
	Į.	1	Į		
	1		1		Well stopped flowing April 28, 1937. Well now flows 2
200	TP3	1/022 3.0	Maria		gallons a minute from easing cut off 4 feet below
290	L'TOMS	May 18,	None	S	Flows 25 gallons a minute, 3.3 feet above ground.
	<u> </u>	1937	<u> </u>	<u> </u>	ground. Reported flow decreased rapidly in preceding
					two weeks.

4	Re	cords of wells and s	springs in Brazori	a Coun	tyCo	ntinue	∍d	
No•	Distance from Freeport	Owner	Driller	Topo- gra- phic situ- ation	com-	Depth of well (ft.)	Diam- eter of well (in.)	Height of measuring point above ground (ft.) a/
	10 miles west	Clemens State Farm		Flat	1915	850	3	0
306	10克 miles west	Kate Huntington	F. Powell	do.	1909	487	2	put UNS
307	do.	E. N. Krause	L. Patterson	do•	1920	578	2	page 1849
308	do•	T∙ J∙ Poo le	Powell`	do.	1917	613	2	tot he
309	do.	Nelson Bell	est ee	do•	1932	600	3	0
	10 miles west	S. Allen	Powell	bank	1918	1,000	4	100 mm
312	do.	-=	50 44	Flat		7 00	3	
<u>d/313</u>	do•	Kate Huntington	and will	do.	1895	35	4	1.7
	8 miles west	S. S. Perry	Humble Oil & Ref. Co.	do•		1,000	4	
323	In Freeport	South Texas Utilities Co.	Freeport Sulphur Co.	do.	1920	251	6	0.5
324	do•	do∙	do∙	do.	1920	250	6	0.5
325	do.	do•	Layno-Texas Co.	do.	1936	250	6	•5
	$3\frac{1}{4}$ miles southeast		eq as	do.	1895	650	2	***
	$3\frac{1}{4}$ miles south	W. J. Bryan	L. Patterson	do•	1930		15	
	southwest				455	611		
	8 miles southwest	J• L• Ducroz	en	Flat	1931	580	2	diff last
330	9 miles southwest	T. J. Poole	Powell	do.	1917	580	2	that side

a/ Measuring point was usually top of casing.
b/ A, air lift; C, cylinder; T, turbine; E, electric; G, gasoline engine; Gs, gas engine; H, hand; W, windmill; number indicates horsepower.

J. F. Heuser, Project Superintendent

				ી• F •	Heuser, Project Superintendent
	Water	r Level			
No.	Depth	Date of	Pump	Use	Remarks
		measure-	and	of	
	measu	•	power	water	
	ing po		ъ/	<u>o</u> /	
	(feet			<u> </u>	
303	3	e/	A,-	D	Reported well flowed strongly when drilled. Mater
000		<u> </u>	223	-	level reported unchanged, May 19, 1937.
306			C,W	D	Owner reported well formerly flowed strong supply.
			J,		ourse sobor and thomas a strong a self of
307	Flows	Oct. 27,	None	D	Estimated flow, I gallon a minute. Water level report-
٠٠.	1 2000	1936	110110	2	ed 2 feet above ground. Reported formerly flowed twice
308	Flows		None	ת פ	Owner reported water flowed 15 as much as at present.
000		May 18,	110110	D , O ,	feet above ground in May, 1936. Reported flow dimin-
	LTOMP	1937			ished from 60 gallons a minute to 10 gallons a minute,
309	4		C,H	D	i as of May 18, 1937, with first decrease
000		_ 2∕	0 911	ע	noted on May 4, 1937. Flow now very weak
310	Flore	May 18,	Nono	S	Flows 13 gallons a minute, 3 feet above ground. Tem-
010	T TOWS	1937	MOTIO		perature 85° F.
210	El avra	Nov. 19,	C.W	D,S	Estimated flow, 3 gallons a minute. Water level, 5
012	PLOWS	1936	٧٧و٠	$U_{\mathfrak{p}}$	feet above ground.
313	0 0	Oct. 30,	C,H	D	Cast iron casing. Well sanded up above drop pipe.
010	3.3	1936	U 2 11	ע	oast from dusting. Noti Samuod dip above drop pripe.
217	Flows	do•	None	D	Estimated flow, 30 gallons a minute. Heighbor reporte
07.1	P TOWS	uo.	110110	ע	water level 5 feet above ground. Located at Peach
323	38		A,E,	P	Freeport Light, Water & Ice Co. Reported 5 Point.
020	00	<u>e</u> /	40	T	feet drawdown while pumping 80 gallons a minute. Water
			70		reported, 230-251 feet. See log. Well No. 3.
324	38		A,E,	P	Freeport Light, Water & Ice Co. 231 feet of casing and
UAT	1 30	<u>e</u> /	40	T	18 feet of 8-inch screen. See log. Well No. 4. Other
			40		data same as Well No. 3 above.
325	38		A,E,	P	Well No. 5. Water level in F.L.W.& I.Co. Wells No. 3.
020	30	<u>o</u> /	40	Г	
326	Flows	Oct. 30,	l	Twid	4, and 5 reported as of Apr., 1934. Reported same ca-
020	LTOWS	1936	None	Ind	Estimated flow, 10 gallons a min-pacity as preceding. ute. Water level reported 9 feet above ground. Lo-
727	Flows	do•	C,W	D	
021	riows	αο•	الاون	ע	Estimated flow, 4 gallons a minute cated at Quintena.
328					Water level reported 15 feet above ground level. Mell Known as Reed well. Located at Bryan sands up yearly.
540			~ -	~~ ***	
320	El owe	Hay 18,	None	D,S	Heights. See log. Flows 32 gallons a minute, 2.6 feet above ground. Lo-
ULB	L TOM2	1937	MOTIC	ى و ت	
		T301			cated 100 feet north of intercoastal canal and 100
770	Flows		Mana	S	feet west of San Bernard River.
550	L TOMS	do•	None	٥	Flows 25 gallons a minute, 3 feet above ground. Tenan
	<u></u>	لـــــــــــــــــــــــــــــــــــــ			reported no recent change in flow.

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

Driller's log of well 2		Driller's log of well 2Conti	nned
	Window		. Depth
L.& M. Production Co., Mrs. Belle		1	(feet)
et al. No. 3. 15 miles northwest	OI LES	Sandy lime rock l	
Columbia.	D	Dark shale 6	1272
Thickness	}	·	1276
(feet)	(feet)	Lime rock 5	1281
Surface soil 6	6	Lime rock	
Clay 34	40	Fard shale 3	1284
Sand 20	60	Sticky shale and lime 7	1291
Clay 5	65	Sand and shale 42	1333
Stiff clay 50	115	Sandy shale 4	1337
Sandy clay 30	145	Shale and lime 3	1340
Gumbo 80	225	Sand and shale 3	1343
Sand and boulders 30	255	Sticky gumbo and lime nodules 7	1350
Gumbo 35	290	Sticky, blue gumbo and lime- 15	1365
Sand and boulders 20	310	Cumbo, sand, and lime 10	1375
Gumbo 30	340	Tough, blue gumbo 12	1387
Sand and boulders 20	360	Tough, blue gumbo and lime	
Gumbo 35	395	streaks 18	1405
Sand and boulders 20	415	Gumbo, sand, and lime 22	1427
Gumbo 50	465	Tough, blue gumbo and lime	
Sand, shale, and boulders - 40	505	nodules 48	1475
Gumbo 15	520	Shale and lime 2	1477
Blue gumbo 63	583	Crystallized lime and sand - 8	1485
Tough, blue gumbo 42	625	Crystallized lime rock 69	1554
Gumbo and lime 72	697	Sticky, blue gumbo and lime	
Broken rock 2	699	streaks16	1570
Water sand 72	771	Flaky shale, pyrite, and	
Gumbo 8	779	lime 25	1595
Water sand 5	784	TOTAL DEPTH	2745
Fine sand 30	814		
Hard sand 4 - 4	818	Driller's log of well 85	
Fine sand17	835	Equitable Mining Co., Kiser Heigh	ts. $1\frac{3}{4}$
Sand rock 3	838	niles west of East Columbia.	
Gumbo 25	863	White clay 2	2
Hard, sandy lime rock 2	865	Red clay 8	10
Broken, sandy lime rock - = 19	884	Gray sand 15	25
Gumbo 1	885	White clay 1	26
Blue gumbo 50	935	Quicksand24	50
Gumbo 5	940	Yellow clay 10	60
Water sand 12	952	Quicksand 1	61
Sandy lime rock 11	963	Gray sand 23	84
Gumbo 15	978	Lignite 6	90
Gray lime rock 2	980	White clay 15	105
Sand 2	982	Soapstone 15	120
Water sand 16	998	Blue shale 14	134
Gumbo 22	1020	31ue clay18	152
Water sand 4	1024	Rock 4	156
Hard sand 6	1030	Blue sand, clay, and streaks	100
Gumbo 24	1054	of rock112	268
Water sand 3	1057	Rock 1	269
Sandy lime and shale 29	1086	Sand 1	209 270
Gummy lime 30	1116	Blue clay18	288
· ·	1.	Hard rock 7	
	1124		295
Fine sand31	1155	Blue clay 19	314
Gumbo 3	1158	Quicksand 6	320
Hard sand 2	1160	Blue shale 38	358
Gumbo and lime 58	1218	Rock1	359 359
Sand 4	1222	Sand 1	360
Gumbo, lime, and boulders - 43	1265	(Jointinuod on noint pago)	
	11		

Driller's log of well 85Contin	ned I	, Driller's log of well 246Contin	ued
Thickness		Thickness	
	(feet)	· I	(feet)
Blue sand 20 ,	380	Sandy shale 55	2503
Sand 120	500	Sandy shale and boulders 35	2538
Water-bearing rock	500	Pink gumbo 147	2685
water-bearms room :	300	Sandy shale 7	2692
Driller's log of well 246		Pinl: gumbo 92	2784
Transcontinental Oil Co., Bernard R	1,22020	Gumbo and boulders 26	2810
Land & Development Co. No. 1. 11 m		Sand and boulders 10	2820
west of Brazoria.	TTCS	Guibo 22	2842
Sand 133	153	Sandy shale and boulders 38	2880
Clay 46	179	Cumbo and boulders 15	2895
Water sand 132	311	Sand and boulders 15	2910
Gumbo 8	319	Gumbo 15	2925
Sand 15	334	Sand and boulders 28	2953
Gumbo 35	369	Gumbo 7	2960
Gravel 15	384	Gumbo and boulders 48	3008
Red clay 148	532		4783
Packed sand 33	565	CASING RECORD: 20 feet of 15-inch,	
Gumbo 169	734	feet of 12-inch, 2,135 feet of $8\frac{1}{4}$ -i	
Sand 20	754	and 3,985 feet of 6-inch casing.	.110.113
Gumbo 40	794	data of the control o	
Packed sand 80	874	Driller's log of well 269	
Gumbo 96	970	L. Patterson, Jefferson Lake Oil Co	- Test
Packed sand 60	1030	Well No. 1. Clemens Dome. 4 miles	
Soft gumbo 40	1070	of Brazoria.	
Sand and gravel 220	1290	Surface clay 53	53
Chalk 60	1350	Coarse sand 31	84
Gumbo 30	1380	Shale 365	449
Broken lime 40	1420	Coarse, white sand 47	496
Gumbo 75	1495	Shale194	690
Broken lime 25	1520	Coarse, white sand 54	744
Gumbo 15	1535	Shale 2	746
Broken lime 10	1545	TOTAL DEPTH	746
Sandy lime 10	1555		
Gumbo 38	1593	Driller's log of well 271	
Sand and boulders 20	1613	L. Patterson, Jefferson Lake Oil Co	-
Challry lime 40	1653	Jeins No. 2. 4 miles south of 3raz	
Gumbo 52	1705	Clay 56 Sand 34	56
Sand and boulders 20 Broken lime 25	1725	Sand 34 Shale 366	90
Rock 1	1750	Sand 12	456
Gumbo 70	1751 1821	Shale 3	468 471
Sand and boulders 20	1841	Sand 1	472
Gumbo 9	1850	Shale 1	473
Sand and boulders 11	1861	Sand 18	491
Packed sand and rock 24	1885	Shale 9	500
Sand rock 5	1890	bharc	000
Gumbo and gypsum 31	1921	Driller's log of well 278	
Gumbo 125	2046	Roxana Petroleum Corp., Clemens Sta	te
Lime 24	2070	Farm, No. 3. $4\frac{1}{2}$ miles south of Bra	
Water sand 44	2114	Black, surface soil 4	4
Gumbo 34	2148	Red, surface soil 3	7
Water sand 30	2178	Red water sand 35	42
Gumbo 50	2228	Rod clay 100	142
Shale 24	2252	Sand and gravel 15	157
Soft gumbo 50	2302	Sand and gravel 15 Red gumbo 35	192
Gumbo 166	24.68	(Continued on next page)	
·	,		

Driller's log of well 278Cont	inued ,	Driller's log of well 278Cont.	
Thickness	Depth	Thickness	
(feet)	(feet)		(foot)
(feet) Red water sand 22	214	Sand and boulders 12	1913
Gumbo 170	384	Blue gumbo 11	1924
Blue gumbo 61	445	Pink and blue gumbo 64	1988
Water sand and gravel 15	460	Sandy lime and boulders C	1994
Red gumbo 153	613	Shale and boulders 4	1998
Blue shale and fossils 12	625	Hard sand rock 18	2016
Blue gumbo 107	732	Hard sand rock and pyrite - 12	2028
Sand and fossils 10	742	Hard rock and streaks of	
Red gumbo and lime 56	798	soft rock 13	2041
Red gumbo 35	633	Hard rock l	2042
Water sand 5	838	Dlue gumbo and boulders 10	2052
Red gumbo 4	842	Blue water sand 2	2054
Gravel, sandy shale, and		Blue gumbo and boulders 7	2061
fossils 44	886	Blue gumbo, lime, and boul-	
Pink gumbo 46	932	ders 40	2101
Shale, fossils, and gravel - 24	956	Dlue water sand 4	2105
Blue gumbo 6	962	Clue water sand, boulders,	
Shale, fossils, and gravel - 28	990	and streaks of shale 39	2144
Blue gumbo 28	1018	Hard blue water sand, shale,	
Water sand and gravel 37	1055	and boulders 11	2155
Blue gumbo 4	1059	Hard, sandy lime and pyrite- 4	2159
Sand, gravel, and boulders - 134	1193	Hard, sandy lime, calcite,	
Blue gumbo 34	1227	and pyrite 6	2165
Water sand and gravel 42	1269	Hard, sandy line and pyrite- 10	2175
Blue gumbo 10	1279	Blue gumbo and line 10	2185
Rock 1	1280	Hard, sandy lime and pyrite- 3	2188
Boulders, shale, and sandy	_,	Blue shale 11	2199
gravel 27	1307	Sand and shale 2	2201
Blue gumbo 26	1333	Hard lime and blue shale 3	2204
Shale and boulders 15	1348	3lue gumbo and lime 33	2237
Blue gumbo 21	1369	Blue water sand and shale - 6	2243
Sandy gravel, boulders, and		Poch 6	2249
shale 33	1402	Hard lime rock 1	2250
Blue gumbo and lime 67	1469	Blue shale and boulders 21	2271
Red and blue shale and		Blue gumbo and boulders - 15	2286
boulders 18	1487	Hard, sandy lime rock 10	2296
Blue gumbo 12	1499	Hard sand rock 6	2302
Water sand and gravel 25	1524	Bluc gumbo and lime 3	2305
Reddish-blue shale and		Hard sand rock 16	2321
boulders 25	1549	Hard sand and pyrite 58	2359
Water sand and boulders 18	1567	Hard, sandy lime and pyrite- 28	2387
Blue gumbo 16	1583	Hard, sandy shale and lime - 17	2404
Water sand and boulders 35	1618	Blue shale 2	2406
Blue gumbo 65	1683	Hard, blue shale 12	2416
Blue gumbo and lime 47	1730	Gumny, blue shale 60	2478
Water sand 3	1733	Gummy, blue shale and lime - 10	2438
Sand and boulders 20	1753	Gummy, blue shale 13	2501
Blue gumbo 57	1810	TOTAL DEPTH	3102
Blue gumbo and boulders 23	1833		
Water sand 2	1835	Driller's log of well 288	
Sandy gravel and fossils 3	1838	Shell Petroleum Corp., T. J. Poole	70. A-2
Blue gumbo 6	1844	9 miles south of Brazoria.	2.00
S andy lime = 2	1846	Surface soil 12	12
Shaly lime and blue and red		Surface sand 6	18
boulders 45	1891	Clay 45	23
Gumbo and blue lime 10	1901	Water send 175	233
		(Continued on next page)	
		(

Driller's log of well 288Cont	1	Driller's log of well 290 Roxana Petroleum Corp., Allen Berns	ard
	(feet)	· · · · · · · · · · · · · · · · · · ·	
(feet) Gumbo 75		Thickness	Depth
Sand 43	313	(feet)	(feet)
	356		10
Sandy shale 60	416	1	
Shale 61	477	Gurnny shale and shells 92	102
Sticky shale 19	49C	Cummy, red shale 111	213
Shale and boulders 11	507	Cummy shale 302	51 5
Sticky shale 70	577	Water sand 35	550
Shale and boulders 16	593	Shale and shells 100	650
Sticky shale 31	624	Cumbo 86	736
Sand, fossils, and boulders- 62	636	Shale 38	774
Sticky, blue shale 14	700	Shale and lime 20	794
Sandy shale and boulders 22	722	Shale and shells 56	850
Gumbo 23	745	Gumbo 65	915
Shale and fossils 47	792	Shells 5	920
Sand and gravel 50	842	Fresh water sand 2	922
Shale and fossils 34	876	Sand and lime 28	950
	1 1	Gummy shale and sholls 50	1000
Sticky shale 66	942	Gumbo 50	1050
Shale and boulders 78	1020		
Blue gumbo 19	1039		1052
Sand 2	1041	Blue, sandy shale and	7051
Sandy shale and fossils 20	1061	shells 2	1054
Blue gumbo 23	1084	Shale and shells 12	1066
Shale and boulders 6	1090	Gumbo 34	1100
Blue gumbo 99	1189	Shale and shells 9	1109
Sandy gumbo 24	1213	Slue water sand 26	1135
Water sand 2	1215	Blue gumbo 10	1145
Sand and boulders 17	1232	Drown and blue sandy shale 70	1215
Sandy shale and boulders 145	1377	Rock 1	1216
Shale and fossils 32	1409	Dark blue shale and lime - 4	1220
Sandy shale and fossils 5	1414	Blue gumbo 16	1236
Sandy shale and boulders 6	1420	Mard sand and shells 42	1278
Shale and boulders 70	1490	Blue shale and lime	,A. D. T. O
Blue gumbo 30	1520	streaks 44	1322
	j 1	1	2022
Cummy shale and fossils 31	1551	Blue shale, lime streaks,	12/0
Sand 1	1552	and shells 26	1348
Sandy lime 1	1553	Gummy, blue shale 24	1372
Sand and shale 24	1577	Lime rock 8	1380
Shale and boulders 9	1586	Lime and shells ll	1391
Blue gumbo 44	1630	Blue gumbo 34	1425
Lime and calcite 6	1636	Gummy, blue shale and	
Sand and shale 6	1642	shells 70	1495
Sandy shale 18	1660	Slue water sand 14	1509
Lime rock 7	1667	Blue shale and shells 56	1565
Lime and calcite 12	1679	Blue gumbo 45	1610
Hard shale and lime rock 11	1690	Water sand 10	1620
Hard, sandy shale 14	1704	Dlue gumbo 59	167.
Sandy shale and lime 26	1730	Tough, brown and blue	
Shale and lime 43	1773	gumbo 179	1858
Gumbo and lime 27	1800	Blue water sand 5	1863
Gumbo and pink lime 30	1830	Blue gumbo 21	1884
Gumbo and lime 30	1860	Blue and brown gumbo 46	1930
Shale and lime 35	1893	Dlue gumbo 159	2080
		Blue gumbo and lime 42	2131
	1904		
Sandy shale 30	1934	Blue gurbo 25	2156
Salt water sand 21	1955	Blue gumbo and lime 44	2200
Sticky gumbo 67	2022	Water sand 5	2205
TOTAL DEPTH	5958	Hard, blue water sand 11 !	2216

		,	
Driller's log of well 290Continue	ed I	Driller's log of well 324Cont	inuod
Thickness De	- 11	Thickness	
(feet) (fe			(foet)
• • • • • • • • • • • • • • • • • • • •	235	Red and yellow clay 15	•
Blue gumbo 34 2	269	Fine sand 10	25
Blue water sand and lime	~	Coarse sand 10	35
	280	Yellow and blue clay 65	100
	295	Shale and shell 25	1.25
	297	Blue clay 25	150
	312	Sand, shale, and shell 22	172
	368	Blue clay 53	225
Blue shale, calcite, and		Coarse sand 25	250
	379		
	432	Driller's log of well 328	
	443	Reed well, Bryan Heights. 25 mile	s south-
	446	west of Freeport.	
	459	Black asphaltic soil 30	30
	564	Yellow clay 12	42
	656	Quicksand 20	62
Blue gumbo 28 2	684	Yellow clay 25	87
	690	Black clay 5	92
	770	Black clay and red ferrugi-	
	309	nous spots 79	162
Blue water sand 11 2	820	Black clay and minute white	1
Blue gumbo 20 2	840	shells 27	189
	848	Quicksand 21	210
Hard sand and blue shale 2 2	850	Blue quicksand 16	226
Hard water sand 5 2	855	Black clay, and altered lime	1
Hard, blue sand 3 2	858	and iron 18	244
Hard, blue sand rock 22 2	880	Black clay and shale 3	247
	900	Black shale and sand 28	275
	902	Black shale 55	330
	905	Black shale and gravel 15	545
	337	Soft, black clay and thin	ļ
CASING RECORD: 213 feet of 123-inch,		layer of hard rock 60	405
3,365 feet of 9-5/8-inch, 4,172 feet		Soft, blue and yellow clay - 62	4.67
$6-5/8$ -inch, and 5.017 feet of $4\frac{3}{4}$ -inch		Yellow clay, sand, and shale 82	549
ing. 5,139 feet of 3-inch tubing. S	crom	Sand, pebbles, and shale 8	557
set, 4,034-4,171 foet.	11	Yellow clay, sand and shale- 30	587
		Hard rock 2	589
Driller's log of well 323		Sand and large pebbles 2	591
Freeport Sulphur Co., South Texas Uti	TI	Gravel and flint 4	595
ties Co. (Freeport Light, Water & Ic	e Co.	Black clay and shale 2	597
No. 3.) In Freeport.		Hard rock l	598
Red and blue clay 20	20		
Sand 8	28		
· · · · · · · · · · · · · · · · · · ·	102		
	125		
	150		
Yeard whole end shell 'I'll 1	('/') 11		

Driller's log of well 324
Freeport Sulphur Co., South Texas Utilities Co. (Freeport Light, Water & Ice Co. No. 4.) In Freeport.

Sand, shalo, and shell - - -

Blue clay - - - - - - -

Coarse sand - - - - -

Blue clay - - - - - -

22

53

25

172

225

250 251 Logs of test wells drilled by W. P. A. labor in Brazoria County, Texas (Samples examined and classified by J. F. Heuser, Project Superintendent.)

(S	amples	exar	nined	l and	i ola	assifi	ied by J
					Thic	mess	Depth
						_	(feet)
		_	Well				
Flat, s							
$13\frac{1}{2}$ mile	es nort						
Black c		***	nd		-	2	2
Tan cla	9	-	-	-	-	2	4
Clay an	~	əl		-	***	6	10
Yellow	-	·-	-		-	2	12
Sandy c	-	-	-	_	-	ĩ	13
Sand -	-	_	-		-	1	14
Struck v		at. 10	4 fe	et.	Wat		
12.5 fe							
after h							
collect					VV	D& 2	,, ₁ ,
,	<u> </u>	JU .	V 3	,00.			
		7	Well	3			
Flat, so	outh si				-hwa	T No.	56
rrac, so							
Clay -	29 770"	JEIN .	50 U.	. <u>1</u>	<u> </u>	2	2
Sandy c	יזים ר			-	_	1	3
sandy c. Sandy c.			 	-		1	د 4
•		1 31	ау⊎т	-	-	6	10
Sandy c.	Lay	_	-	-	***	5	
Sand - Struck v		-			- 		15
13.7 fe	ot Delc)VF 61	, a ob on	i gra	una 	71 no	ours
after ho					wat	er san	ubre
collect	ed. v	J.	<u>ند و (</u>	356.			
		7	·- ¬¬	•			ļ
· ŋ	• 7	; 	Well	4	. •	·a	4.1.
Flat, 2							
side Sta						miles	3
northwe:	st of f	last	Coli	umbia) e		
Clay -	-	-	-	-	-	3	3
Sandy c	lay	***	-	-	-	3	6
Sand -	-	-			ÇAN	3	9
Sandy c.	lay	***	-	-		1	10
Sand -		-	-	-		11	21
Struck v							rel,
18.1 fee	at belo	ow to	to qo	f gra	ound	70 hc	ours
after ho							
collecte							· 1
							
*		Ţ	Well	5			
Flat, we	est sid	_			way	No. 3	66. 11
miles no							
Clay -	-				-	2	2
v				_	-		
[©] endπ cj	lasr		_			<u> </u>	7
Sandy ol Siltar sa	•	-	-	-	-	5 1	7 8
Silty sa	and	-	-	-	-	1	ε
Silty sa Yellow a	and sand	-	- -	- -	-	1 1	8 9
Silty sa Yellow a White sa	and sand and		- - -	-	-	1 1 1	8 9 10
Silty sa Yellow a White sa Yellow a	and sand and sand	-	-	-	-	1 1 1	8 9 10 11
Silty sa Yellow a White sa Yellow a Brown sa	and sand and sand and	 	-			1 1 1 7	8 9 10 11 18
Silty sa Yellow a White sa Yellow a	and sand and sand and water a					l l l 7	8 9 10 11

16.7 feet below top of ground 68 hours after hole completed. No water sample

collected. Oct. 9, 1936.

						Thi	dines	s Depth
		l						(feet
				Well	9			
Tlat	west	sid				ም ት ግ ነሪያቻት ፕ	z No.	36, 10
niles					-			00, 10
Clay		**************************************					2	2
Red o			1986 1987				3	5
Clay a			٦.		مند		1	6
Sand		au sa e	_		-	wa"	2	8
Sandy			-	_	45	ad>		10
Red c	_		_		wist*		18	28
truc!	c wat	er s	at. 2	5 fe	501			
								hours
								le col-
lected							2000.001	
10000				contraction	***************************************		سد در چیکنوشکوند	(24. 44. 4. 4. 4. 4. 4. 4
				Wal I	[1]			
Plat.	d mi	le r				m tw	road	10^{1}_{\odot}
niles								, 1 02
Black			- C	ىكالىك ئەسىرىكىسىد ئەسىرىكىسىد	ا خاخانگ خد خنشمنځس در	/ () _1 ()(); 	3	3
Zellov							4	7
Sandy	oles.	y	_	_	~			
Clay			_		cus.	_	2 4	13
Sandy				Marco .			2	15
Sand	-	_	_		40		2	17
	- wet	er s	+ 7	6 60		ila:		evel,
)•5 fe								
ofter	hala	0.00	mla	+⊽9 Το οπ	י איני. מיני	ton	© € € 5.332	le col-
locte						1001	senth	16 001~
.0000	, a 1'	OV.	.,	1000	•			and a state of the
				Well	16			
te fr	7 mi	la r	ort.	h of	200	111	moad.	and 2
								6, 10
niles								ب د د
Clay	1101 0	11 01	. <u>n</u> a	50 (1010	9	9
Sandy	- class		_	_			9 7	16
Sand	-		_	_			1	17
		-	- 1	<u>-</u>	- -	707.0-		evel, S
								after
272	1 (July 1	5 7 6 C	į.	Marce	E SE	ппЪте	COT	recred.
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ole o			-	******				

Flat,	is II	uile	nort	th of	COL	mty	road	and 3
miles	eas	t of	' Sta	ate E	!ighv	ray 1	To. 36	, 10
miles		th o	f Ea	ıst (lolun	ıbia.	•	
Clay	serii	-		_			5	5
Sandy	cla	y	**	Pess	_	_	6	11
Sand				-	240	-	1	12
Struc.	i wa	ter	at 1	.2 fc	et.	Wat	ter le	vel, 8.
feet	belo	w to	p of	gro	ound	24 1	nours	after
hole	comp	lete	d_{ullet}	Wate	er sa	unple	coll	coted.
Hov.	5, Ī	936.				-		
	*							-

Woll 26
Flat, east side county road at Mashs, 10
miles north of East Columbia.

4

8

	,00	.,. ۲۰			
					Depth
			(fee	t)	(feet)
-	eticalisation (directly) de plice. P				
V	fell 26	Conti	nued		
Clay		_	- 3	1	3
Sandy clay		-	- 4		7
Sand		-	- 16		23
Quicksand -			- 2	1	25
Struck quiek	sand at	25 fe	et. W	ater	level,
24.8 feet be					
after hole c	ompleted	• No	water	sam	ple
collected.	Hov. 9,	1936.			
		1 30	7		
Flat, east s	ide coun	ty ro	ad, 95	mil	.es
north of Eas	t Columb	ia.			
Clay		•••	- 2		3

Sandy clay - - - 2 10
Sand - - - - 14 24
Quicksand - - - - 2 26
Caving at 26 feet. Water level, 25.8
feet below top of ground, 8 hours after hole completed. Water sample collected.

Sandy clay - Red clay -

Nov. 9, 1936.

Well 33
Flat, east side county road, 8 miles north of East Columbia.

Clay	-			-	_		3	3
Sandy	cla	У	-		_	_	1	4
Clay	-	-	-	-			2	6
Sandy	cla	У			-	**	4	10
Sand	-	-	-	-	_		3	13
Sandy	cla	У	-	_	-	-	5	16
Sand	-			-	•		4	20
Clay	-	-	-	-	-	-	2	22
Sandy	cla	У	-	-	-		4	26
Sand		-		-			2	28
C+muol	T.T.C.	+ 0 30	$\alpha \pm 1$) (P.	~~+	TTO	7:70 +0 M	anim) o

Struck water at 20 feet. No water sample collected. Nov. 9, 1936.

Well 34

Flat, east side county road, $7\frac{1}{2}$ miles north of East Columbia.

north of East	UU.	LUMUL	Lia			
Sandy clay	-		v.=	-	4	Ţ
Yellow clay	-			-	3	7
Sandy clay		***	140	-	1	8
Red clay -			-		9	17
Sandy olay		~	_		3	20
Sand	**			-	1	21

Struck water at 21 feet. Water level, 17.4 feet below top of ground 10 hours after hole completed. Water sample collected. Nov. 9, 1936.

Well 35

Flat, east side county road, $6\frac{1}{2}$ miles north of East Columbia.

		nadrill distance of				Depth (feet)
	1 3	5(Jon'ti.	nuec		
Black clay	-			ent	5	1 3
Yellow clay	_	-	-		1	7
Sandy clay	827				2	9
Red clay -	-	~			7	16
Sand	_	~-	_	-	1	17
Caving at 17 f	ect	• .	Tater	lev	701, 1	3.0
feet below tor	lo c	gro	owid	44]	nours	after
hole completed						
locted. Tov.				<u></u>		e canada de canada de canada de canada de canada de canada de canada de canada de canada de canada de canada d

Well 36

Flat, east side county road, between Eagle Nest Lake and Manor Lake, 6 miles north of East Columbia.

north			Col	Lumb:	10.				
Sandy	7 cl	цу	_	-	-	,,,,	샾		4
Sand		-	_	-	-	***	1		5
Struc	elt w	atcr	at 3	fo	ot.	Vat	or lo	vol,	5.1
foct	bol	ow to	p of	gre	ound	42	hours	aft	er
hole	C01.1	pletc	d_{ullet}	Wate	or s	unpl	0 001	lect	ed.•
Nov.	9,	1936.					<i>.</i>		

Well 37

Flat, 4½ miles east of State Highway Ho. 36, north side Eagle Nest road, 7 miles north of East Columbia.

	Dlack clay	y	-		_	-	2	2
l	Red clay	_	-				14	16
	Red, join	t cl	ay	_	-	_	2	18
	Sandy clay		_			**	4	22
	Red clay	_	-	_	_		6	28
l	Joint clay	ŗ	_	-		-	2	30
	Red clay	-		_	,		5	35
ı	Calmana alla anco	L - 1-		77 6-			200	C L

Struck water at 17 feet and at 29 feet. Water level, 10.3 feet below top of ground 7 hours after hole completed. Water sample collected. Nov. 10, 1936.

Well 38

Flat, 3 miles east of State Highway Ho. 36, north side Eagle Hest road, 7 miles north of East Columbia.

l						
Black clay	_	**	-	-	3	3
Rod clay -	-			***	14	17
Sandy clay	-		-		2	19
Sand	-	***	_	_	2	21
Sandy clay		-		_	4	25
Red clay -			-	-	8	33
		-				

Struck water at 17 feet and at 21-25 feet. Water level, 15.0 feet below top of ground 5 hours after hale completed. Water sample collected. Nov. 10, 1936.

Toll 39

Flat, $2\frac{1}{4}$ miles east of State Lighway No. 36, north side Eagle Nest road, $7\frac{1}{2}$ miles north of East Columbia.

Logs of test well	s in bre	nzoria CountyContinued	
Thickness		Thickness D (foot) (
(foct)	(1004)	(1000) 1(1000)
Woll 39Continued		Well 43Continued	
Sandy clay 2	2	Clay 1	7
Clay 4	6	Sand 6	13
Clay and gravel 1	7	Struck water at 12 feet. Nater leve	
Clay 6	13	11.6 feet below top of ground 60 hou	
Sand 2	15	after hole completed. Water sample	col-
Quicksand 1	16	lected. Oct. 12, 1936.	-
Caving at 16 feet. Water level, 15			
feet below top of ground 5 hours af		Well 44	
hole completed. Ho water sample co	1-	Flat, west side State Highway Ho. 30	
lected. Nov. 16, 1936.		junction with Eagle Nest road, 8 mil	.es
*** 77 40		northwest of East Columbia.	
Well 40	77 -	Clay 5	3
Flat, $1\frac{1}{4}$ miles east of State Highwa		Brown clay 3	3
36, north side Eagle Nest road, $7\frac{1}{2}$:	mlies	Sandy clay 4 Sand 5	10 15
northwest of East Columbia. Sandy clay 2 (2	Struck water at 14 feet. Water leve	
0 0	6	15.8 feet below top of ground 24 hou	
Clay 4 Sandy clay 2	3	after hole completed. Water sample	
Sandy Clay 2	12	lected. Oct. 12, 1936.	~~~
Quicksand 3	15	2005000 000 ID 10000	
Struck water at 14 feet. Water lev		Well 46	
13.7 feet below top of ground 78 ho	-	Flat, west side State Highway No. 36	3. 7
after hole completed. Water sample		miles northwest of East Columbia.	, , ·
lected. Nov. 16, 1936.	002	Black clay 3	3
		Brown elay 3	6
Well 41		Sandy clay 5	11
Flat, $\frac{3}{4}$ mile east of State Highway	No. 36,	7	13
north side Eagle Nest road, 8 miles			1,
west of East Columbia.		10.5 feet below top of ground 22 hou	rs
Sandy clay 3	3	after hole completed. Water sample	col-
Clay 4	7	lectcd. Oct. 12, 1936.	
Sandy clay 8	15		-
Sand 1	16	Well 50	
Struck water at 16 feet. Water lev	-	Flat, west side State Righway No. 36	6,6
13.7 feet below top of ground 77 ho		miles northwest of East Columbia.	
after hole completed. Water sample	col-	Clay 3	3
lected. Nov. 16, 1936.		Sandy clay 1	4
77 77 40		Clay 3	7
Well 42		Sandy clay 3	10
Flat, ½ mile east of State Highway			14
north side Eagle Hest road, 8 miles	north-	1, "	20
west of East Columbia.		Sand 1	21
Black clay 8	8	Struck water at 20 feet. Water leve	
Red clay 6	14	17.8 feet below top of ground 22 hou	
Sandy clay 1	15	after hole completed. Water sample	cor-
Sand 1 Western level 12 9 Seet heles ton a S	16	lected. Oct. 12, 1936.	**************************************
Water level, 12.9 feet below top of		177.37 50	
ground 76 hours after hole complete Water sample collected. Nov. 16, 1		Well 52	<u>-</u>
March Sambic Collegence Mon. 10. 1	300 ·	Flat, west side State Highway No. 36	کی ت
Well 43		miles northwest of East Columbia.	
Flat, west side State Highway No. 3	6. 9	Sandy clay 1	2 3
miles northwest of East Columbia.	. , .	Clay 4	ა 7
Clay 3	3	Sandy clay 2	9
Clay and gravel 3	6	Clay 4	13
, , , , , , , , , , , , , , , , , , ,	-	11 J	

Logs of test wells in in	
Thickness Depth	Thickness Depth (feet) (feet)
(feet) (feet)	(1000) 1(1000)
Well 52Continued	Well 59Continued
Sand 5 18	Sandy clay 3 6
Struck water at 17 feet. Water level,	Red clay 14 20
15.4 feet below top of ground 21 hours	Sandy clay 4 24
after hole completed. Water sample col-	Sand 3 27
lected. Oct. 12, 1936.	Water level, 5.1 feet below top of ground
*** 7.7 . 66	48 hours after hole completed. Water
Well 53	sample collected. Nov. C, 1936.
Flat, west side State Highway No. 36, 45	Well 60
miles northwest of East Columbia.	Flat, east side county road, 45 miles
Sandy clay 4 7	north of East Columbia.
Clay 6 13	Black clay 3 3
Sand 2 15	Red clay 4 7
Clay 6 21	Sand 1 8
Sand 4 25	Clav 10 18
Struck water at 22 feet. Water level,	Sandy clay 3 21
17.8 feet below top of ground 21 hours	Send 2 23
after hole completed. Water sample col-	Struck water at 22 feet. Mater level,
lected. Oct. 12, 1936.	14.0 feet below top of ground 4 hours
was a considerable of the design of the other design of the other of the other of the other of the other of the other of the other other of the other other of the other	after hole completed; 10.2 fect below top
Well 54	of ground 46 hours after hole completed.
West side State Highway No. 36, 34 miles	Vator sample collected. Nov. 6, 1936.
northwest of East Columbia.	
Clay 3 3	Well 62
Sandy clay 2 5	Forth side county road, $\mathbb{L}^{\mathbb{C}}_{+}$ miles north of
Sand 4 9	East Columbia.
Sandy clay 1 10	Clay 3 3
Sand 1 11	Sandy clay 4 7
Sandy clay 2 13	Sand 2 9
Clay 3 16 Sandy clay 4 20	Water level, 7.4 feet below top of ground
U	6 hours after hole completed. Water sam-
Clay 2 22 Sandy clay 1 23	ple collected. Nov. 6, 1936.
Sand 1 24	Well 65
Struck water at 23 feet. Water level,	East side county road, I mile northeast
20.1 feet below top of ground 28 hours	East Columbia.
after hole completed. Water sample col-	Jlay 3 3
lected. Oct. 13, 1936.	Sandy clay 2 5
austeritautvirtlantjuggestaute stördjingugu-rauser. Santikute vir ste. størter former somtingtester krasssatendreden fordjever, virknerne sins er vir	Red clay 8 13
Well 58	Black clay 2 15
East side county road, 22 miles north of	Sand 1 16
East Columbia.	Water level, 7.9 feet below top of ground
Sandy clay 6 6	24 hours after hole completed. Water sa.
Clay 4 10	ple collected. Nov. 5, 1930.
Sandy clay 4 14	
Sand 4 18	Well 64
Struck water at 17 feet. Water level, 3	Flat, south side State Highway Ho. 35, 2
feet below top of ground 8 hours after	miles east of East Columbia.
hole completed. Water sample collected.	31act clay 3 3
Nov. 6, 1936.	Red clay 1 4
Well 59	Sandy clay 1 5
South side county road, $3\frac{1}{4}$ miles north of	Red clay 4 9
East Columbia.	Blue clay 1 10
Black clay 3 3	Red clay 9 19 Sandy clay 3 22
	(Continued on next page)
•	(voit village on now page)

Logs of test well	s in Bra	zoria county + + con
Thickness	Depth	
(feet)	(feet)	
TF 77 04 0 1 1 1 1 1 1	1	Well
Sand - Well 64Continued	24	Struck water at
~ <u>1</u>		feet below top o
Mater level, 20.8 feet below top of	_	, — — — — — — — — — — — — — — — — — — —
72 hours after hole completed. Wat	er	hole completed.
sample collected. Nov. 20, 1936.		Oct. 13, 1936.
Well 65		
Flat, south side State Highway No.	35 11	Flat, west side
miles southeast of East Columbia.	00, 14	miles west of Ea
Black clay 4	4	Clay
Red clay 8	12	
Sandy clay 10	22	Sandy clay -
•	23	Clay
T. T. T. T. T. T. T. T. T. T. T. T. T. T	1	Sandy clay -
Water level, 19.2 feet below top of	~ ,	,
72 hours after hole completed. Wat	er	Black clay -
sample collected. Nov. 20, 1936.		Yellow clay -
****-	-	Brown clay -
Well 71	04.04.	Sand
West end of Brazos River bridge on	State	Struck water at
Highway No. 35, in East Columbia.		feet below top o
Sandy clay 2	2	hole completed.
Clay 7	9	Oct. 13, 1936.
Sand 1	10	
Water level, 4.5 feet below top of		
60 hours after hole completed; 3.8		South side Danci
below top of ground 1 month after h		of East Columbia
completed. Water sample collected.	Oct.	Clay
16, 1936.		Sandy clay -
*** **	Ì	Clay
Well 74		Water level, 14.
South side State Highway No. 35, 1	mile	ground 48 hours
west of East Columbia.		water sample col
Sandy clay 5	5	
Sand 2	7	
Water level, 3.2 feet below top of		Flat, west side
59 hours after hole completed. Wat	er	miles west of Ea
sample collected. Oct. 16, 1936.		Clay
**** ** ** ***	1	Sandy clay -
Well 79		Sand
South side Danciger road at West Co	lumbia,	Clay
2 miles west of East Columbia.		Sand
Clay 3	3	Struck water at
Sandy clay 5	8	17.1 feet below
Sand 7	15	after hole compl
Water level, 12.7 fect below top of	1	locted. Oct. 15
ground 56 hours after hole complete	,	
Water sample collected. Oct. 19, 1	936.	
		North side Danci
Well 80	į	of East Columbia
Flat, west side State Highway No. 3	6,	Clay
south of intersection with State Hi		Sandy clay -
No. 35, $2\frac{1}{4}$ miles west of East Colum		Sand
Sandy clay 2	2	Sandy clay -
Clay 10	12	Sand
Sandy clay 2	14	Struck water at
Sond	16	07 0 0 1 3 7

16

Thickness	Depth
(feet)	(feet)

Well 80--Continued
Struck water at 14 feet. Water level, 6.4
Seet below top of ground 23 hours after
hole completed. Water sample collected.

Well 81

Flat,	west	side	Sta	te H:	Ighwa	y No∙	, 36, 2 <u>4</u>	
miles	west	of E	ast	Colu	nbia.			
Clay					_	3	3	
Sandy	clay	-	-	-	-	1	4	
Clay			_			2	6	
Sandy	clay	-		-		3	9	
Brown	clay	-	-	-	-	1	10	
Black	clay	-			_	l	11	
Yello	w clay	y -	_	_	-	4	15	
Brown	clay	-	_	~		6	21	
Sand				**		2	23	
		- 1	00	0		1	Ô	

Struck water at 22 feet. Water level, 8.3 feet below top of ground, 24 hours after hole completed. Water sample collected. Oct. 13, 1936.

Well 84
South side Danciger road, $3\frac{1}{4}$ miles west of East Columbia.

 Clay
 3
 3

 Sandy clay
 2
 5

 Clay
 10
 15

Water level, 14.1 feet below top of ground 48 hours after hole completed. Wo water sample collected. Oct. 19, 1936.

Well 88
Flat, west side State Highway No. 36, 34
miles west of East Columbia.

1117769	MOP	. 01	1000	, 0 00	T CELL) <u> </u>		
Clay		-	-	_	**	-	2	2
Sandy	clay	•	-	-	-	-	6	8
Sand	***	-	-	_	-	_	2	10
Clay	-	_	-	-			6	16
Sand	_	-	**	-	-		4	20

Struck water at 19 feet. Water level, 17.1 feet below top of ground 27 hours after hole completed. Water sample collected. Oct. 15, 1936.

Well 91
North side Danciger road, 4½ miles west of East Columbia.

	St. U	Tu	DIA	•					
Clay		-	~-	-	-	-	3	3	
Sandy	clay	Ţ		_		-	6	9	
Sand		-	-	-	-	_	7	16	
Sandy	clay	T	***	***		•••	5	21	
Sand	-		-		-	-	4	25	
Struck	TVA.	ter	a.t.	23 fc	ent.	Wat	or 1	evel.	

Struck water at 23 feet. Water level, 21.8 feet below top of ground 44 hours (Continued on next page)

Logs of test wells in Br	azoria CountyContinued
Thickness Depth	Thickness Depth
(feet) (feet)	(feet) (feet)
Well 91Continued after hole completed. Water sample collected. Oct. 19, 1936. Well 93 South side Danciger road, 5 miles west of East Columbia. Clay 4 4	Well 101Continued Brown clay 6 47 Red clay 2 49 Sand 1 50 Struck water at 49 feet. Water level, 34.2 feet below top of ground 24 hours after hole completed. Water sample collected. Oct. 21, 1936.
Sandy clay 2 6	
Sand 20 26 Sandy clay 2 28 Sand 2 30 Caving at 30 feet. Water level, 30.0 feet below top of ground 40 hours after	Well 112 South side Danciger road, near west end o San Bernard River bridge, 8 miles west o East Columbia. Black clay 3 3
hole completed. No water sample col-	Brown clay 2 5
lected. Oct. 19, 1936.	Red clay 4 9 Brown clay 4 13
Well 97	Clay and gravel 6 19
South side Danciger road, 5½ miles west of East Columbia.	Red clay 6 25 Coarse sand 4 29
Clay 4 4	Sandy clay 5 34
Sandy clay 3 7	Sand 1 35
Clay 4 11	Struck water at 35 feet. Water level, 34
Struck water at 27 feet. Water level, 21.1 feet below top of ground 28 hours after hole completed. Water sample col- lected. Oct. 20, 1936.	hole completed. Water sample collected. Oct. 22, 1936. Well 113 South side Danciger road, 10 miles west o
Well 98	East Columbia.
South side Danciger road, 6 miles west of East Columbia.	Black clay 4 4 Yellow clay 1 5
Clay 5 5	Clay and gravel 5 8
Sandy clay 4 9 Sand 7 16	Red clay 2 10 Sandy clay 2 12
Sand 7 16 Sandy clay 1 17	Sandy clay 2 12 Red clay 6 18
Clay 12 29	Coarse sand 4 22
Sandy clay 4 33	Fine sand 2 24
Sand 3 36	Very fine sand 3 27
Struck water at 35 feet. Water level, 28.1 feet below top of ground 24 hours after hole completed. Water sample collected. Oct. 20, 1936.	Struck water at 27 feet. Water level, 26.7 feet below top of ground 15 hours after hole completed. No water sample collected. Oct. 21, 1936.
Well 101 South side Danciger road, 7½ miles west of East Columbia. Black clay 4 4	Well 114 West of county road intersection with Danciger road, 11 miles west of East Colum-
Black clay 4 4 Yellow clay 3 7	bia. Black clay 3 3
Brown clay 1 8	Yellow clay 1 4
Red clay 2 10	Red clay and gravel 5 7
Sandy clay 2 12	Brown clay and gravel - 2 9
Sand 4 16	Sandy clay 1 10
Brown clay 4 20	Rod clay 1 11
Red clay 8 28	Rrown sand 1 12

8

9 4 28

37

41

Brown sand

Yellow sand

Fine sand -

Red clay -

Brown clay

Red clay -

1 2

2

(Continued on next page)

12

14

16

Thickness (feet)	
Well 114Continued	
Sand 4	20
Yellow sand 2	22
Sand 14	36
Struck water at 36 feet. Caving a	t 36
feet. Water level, 35.9 feet below	w top of
ground 8 hours after hole completed	1. No
water sample collected. Oct. 23,	1936.

Well 115

South side Danciger road, 12 miles west of East Columbia.

Black clay	-		**	-	4	4
Yellow clay	***	-	•••		2	6
Red clay and	grav	rel	-	-	3	9
Sandy clay	***	140	-	***	4	13
Brown sand		-		-	6	19
Yellow sand	***	***			3	22
Brown sand	_	-		-	5	27

Struck water at 27 feet. Water level, 26.5 feet below top of ground 20 hours after hole completed. No water sample collected. Oct. 23, 1936.

Well 119

West side county road, near Danciger, 13 miles west of East Columbia.

						
Black clay		-	-		3	3
Brown clay	-	-	-	-	2	5
Red clay -	-	-	_	-	4	9
Sandy clay	-		-	-	3	12
Silty sand	-	-	-	-	3	15
Red clay -	-	-	-	-	3	18
White sand	-	-	_	-	1	19
Sand	_	-		-	17	36

Struck water at 36 feet. Caving at 36 feet. Water level, 55.9 feet below top of ground 72 hours after hole completed. No water sample collected. Oct. 23, 1936.

Well 122

South side county road, at Brazoria-Latagorda County line, 13 miles west of East Columbia.

OOLAMBLAC						
Black clay	-		-	-	1	1
Brown clay		-		-	2	3
Red clay -		-	-		12	15
Brown clay	-	-	_		6	21
Sand	_	_	-	-	2	23
Brown clay	-	-	-		6 2	1

Struck water at 23 feet. Water level, 21.2 feet below top of ground 70 hours after hole completed. Water sample collected. Oct. 26, 1956.

Well 201

Flat, north side State Highway No. 35, at Brazoria-Matagorda County line, 125 miles west of Brazoria.

								Depth
						Ţ	eet)	(feet)
		Wel	1 20	10	onti	nued	ł	
Dlack	clay		-		_	-	- 3	3
Brown	clay	r	_	-			4	7
Sandy	clay	<i>-</i>		-			2	9
Sand	-	-	-	-	-		2	11
Sandy	clay	7	-	-	-		6	17
Sand		-	-	-	-		6	23
							ter_lo	
15.3 f	feet	bel	ow t	op c	of gr	ound	i 2洁 h	ours
after	hole	co	mple	eted.	We	ter	sample	e col-
lected	1. N	lov.	4,	1930	3.			

Well 202 West side State Highway No. 35, near crossroads, 12 miles west of Brazoria. 3 3 2 Sandy clay

5 Clay -10 15 17 Sandy clay 2 20 Sand -

Water level, 13.2 feet below top of ground 4 hours after hole completed. Water sample collected. Nov. 4, 1936.

Well 203

Flat, north side State Highway No. 35, near Sweeney Plantation, 11 miles west of Brazoria.

Clay		-	-			2		2
Sandy	clay	-		***		4		6
Sand				***		1		7
Sandy	clay	_	_		_	5		12
Sand					-	1	-	13
Water	level	11.7	fe	et be	NO F	ton	o f	

water level, 11.7 feet below top of ground 4 hours after hole completed. Water sample collected. Nov. 4, 1936.

Well 204

North side State Highway No. 35, 10 miles west of Brazoria.

Wese	لدرد بدو	. 040	1 1 0	•					
Clay	-	_	-	-	-	-	3	i	3
Sandy	clay	7-	-	-	-	-	4		7
Clay	-	_	***	-	-	**	2		9
Sandy	clay	7		-	-		3		12
Sand	_	-	-		-	***	4	1	16
Sandy	clay	7			-	-	1		17
Sand	<u></u>	_	***	4.00	-	-	2		19
Struc	: wat	er	at	19 fe	et.	Wat	er	lev	el,

16.9 feet below top of ground 4 hours after hole completed. Water sample collected. Hov. 3, 1933.

Mell 206

Flat, north side State Highway To. 35, near road junction, 9 miles west of Brazoria.

2.00	·
Thickness Depth	Thickness Depth
(feet) (feet)	(feet) (feet)
And the second s	
Well 206Continued	Well 209Continued
Sandy clay 1 3	Struck water at 30 feet. Water level,
Clay 1 4	28.4 feet below top of ground 10 hours
Sandy clay 1 5	after hole completed. Water sample col-
Sand 3 8	lected. Oct. 26, 1936.
Sandy clay 2 10	to design the second se
Sand 17 27	Well 210
Struck water at 27 feet. Caving at 27	West side State Highway No. 35, 8 miles
feet. Water level, 25.2 feet below top	northwest of Brazoria.
of ground 24 hours after hole completed.	Sandy clay 3 3
No water sample collected. Nov. 3, 1936.	White sand 4 7
No water sample collected. Lov, 5, 1350.	Yellow sand 2 9
TI-11 507	
Well 207	Fine, white sand 12 21
Flat, north side State Highway No. 35, 82	Struck water at 21 feet. Caving at 21
miles west of Brazoria.	feet. Water level, 20.5 feet below top
Clay 1 1	of ground 10 hours after hole completed.
Sandy clay 3 4	No water sample collected. Oct. 26, 1936
Sand 8 12	
Sandy clay 1 13	Well 211
Red clay 1 14	Flat, west side State Highway No. 36, 7
Sandy clay 3 17	miles northwest of Brazoria.
Sand 2 19	Clay 8 8
Sandy clay 1 20	Sand 3 11
Red clay 8 28	Water level, 2.4 feet below top of ground
Sandy clay 6 34	24 hours after hole completed. Water
Sand 2 36	sample collected. Oct. 13, 1936.
Struck water at 35 feet. Water level,	
26.0 feet below top of ground 72 hours	Woll 212
after hole completed. Water sample col-	Flat, west side State Highway No. 36, 6
lected. Nov. 3, 1936.	miles northwest of Brazoria.
	Clay 7 7
Well 208	Sand 2 9
North side State Highway No. 35, 8 miles	Struck water at 7 feet. Jater level. 3.5
northwest of Brazoria.	feet below top of ground 23 hours after
Clay 1 1 1	hole completed. Water sample collected.
Sandy clay 3 4	Oct. 13, 1936.
Sand 8 12	000 LO J. J. J. J. J. J. J. J. J. J. J. J. J.
T i	าน. วา. คาต
	Well 213
	Flat, west side State Highway No. 36, 5
Struck water at 25 feet. Caving at 25	miles northwest of Brazeria.
feet. Water level, 24.5 feet below top	Clay 3 3
of ground 73 hours after hole completed.	Sandy clay 4 7
No water sample collected. Nov. 2, 1936.	Sand 2 9
	Struck water at 8 feet. Water level, 5.5
Well 209	feet below top of ground 22 hours after
West side State Highway No. 35, near	hole completed. Water sample collected.
north bank of San Bernard River, 8 miles	Oct. 13, 1936.
northwest of Brazoria.	The state of the s
Black clay 2 2	Woll 214
Brown clay 2 4	West side State Highway Fo. 50, 4 miles
Red clay 6 10	northwest of Drazoria.
Sandy clay 3 13	Sandy clay 3 3
Red clay 2 15	Sand 2 5
Tan clay 5 20	Water level, 2.1 feet below top of ground
Red clay 7 27	
Yellow sand 4 31	20 hours after hole completed. Water
TOTTOM DWITE # 1 OT	sample collected. Oct. 14, 1936.

rogs of test werrs in the	
Thickness Depth	Thickness Depth
(feet) (feet)	(feet) (feet)
Well 215	Well 229
South side State Highway No. 36, 34 miles	Flat, west side State Highway No. 36, in
northwest of Brazoria.	Brazoria.
Sandy clay 3 3 Sand 8 11	Clay 2 2 Sandy clay 1 3
Sand 8 11 Struck water at 9 feet. Water level, 8.7	Sand 6 9
feet below top of ground 20 hours after	Clay and gravel 11 20
hole completed. Water sample collected.	Sand 2 22
Oct. 14, 1936.	Struck water at 21 feet. Water level,
	13.5 feet below top of ground 27 hours
Well 218	after hole completed. Water sample col-
South side State Highway No. 35, 24 miles	lected. Oct. 14, 1936.
northwest of Brazoria.	W-77 077
Clay - - - 2 2 Sandy clay - - - 3 5	Nell 231 South side McNeill road, $1\frac{1}{4}$ miles west of
Sandy clay 3 5 Clay 3 8	Brazoria.
Sandy clay 2 10	Sandy clay 4 4
Sand 2 12	Clay 4 8
Struck water at 12 feet. Water level, 2.1	Sand 1 9
feet below top of ground 24 hours after	Water level, 7.0 feet below top of ground
hole completed. Water sample collected.	72 hours after hole completed. Water
Oct. 14, 1936.	sample collected. Hov. 16, 1936.
Well 219	Well 232
South side State Highway No. 56, 1 mile northwest of Brazoria.	South side McNeill road, 2 miles west of Brazoria.
Clay 1 1	Black clay 4 4
Sandy clay 4 5	Red clay 13 17
Sand 2 7	Sandy clay 1 18
Sandy clay 4 11	Sand 1 19
Sand 2 13	Struck water at 18 feet. Water level,
Struck water at 12 feet. Water level,	8.3 feet below top of ground 48 hours
10.6 feet below top of ground 23 hours	after hole completed. Water sample col-
after hole completed. Water sample collected. Oct. 14, 1956.	locted. Nov. 17, 1936.
Tegred. Ogg. 14, 1990.	Woll 233
Well 225	South side McMeill road, 25 miles south-
West side State Highway No. 36, 3 mile	west of Brazoria.
south of Brazoria.	Clay 2 2
Clay 7 7	Sandy clay 10 12
Sandy clay 3 10	Sand 1 13
Clay 1 11	Struck water at 13 feet. Nater level,
Sand 11 22 Struck water at 22 feet. Water level,	6.3 feet below top of ground 44 hours
21.9 feet below top of ground 26 hours	lected. Nov. 17, 1936.
after hole completed. No water sample	100 400 100 11, 1300
collected. Oct. 14, 1936.	Well 235
The state of the s	South side McNeill road, west of San Ber-
Well 226	nard River, $3\frac{3}{4}$ miles southwest of Frazo-
Flat, west side State Highway No. 36, 12	ria.
miles south of Brazoria.	Clay 5 2
Clay 3 3	Sandy clay 5 8
Sandy clay 4 7 Clay 3 10	Sand 1 9
Clay 3 10 Sand 3 13	Struck water at 9 feet. Water level, 6.1 Coet below top of ground 40 hours after
Water level, 9.4 feet below top of ground	hole completed. Water sample collected.
22 hours after hole completed. Water sam-	Nov. 17, 1936.
ple collected. Oct. 14. 1936.	

ple collected. Oct. 14, 1936.

Thickness Depth (feet) (feet)

 $\frac{\text{Woll 254}}{\text{Flat, nort; side county road, } \frac{5}{4} \text{ mile east}}$ of McHeill road junction, 6 miles south-

west of Brazeria.

Clay -

	Logs	of te	st well	s in Dr
				
			clmess	
	Danish salpen Barries we		reet)	(foet)
1	ell 2	1 7	_	
South side Mcloil	l roa	d, at	Brazori -	ia-
Matagorda County	line,	9≅ mi	les sou	thwest
of Brazoria.				page we page through the self to the self
Sandy clay -	-		2	2
Sand	-		3	0
Sandy clay -	-		3	8
Sand			5	13
Water level, 11.6				
ground 36 hours a	ftor 1	hole c	omplete	ed.
Water sample coll	.ected	• Tov	. 17, :	1936.
V	Tell 2	48		
East side McMeill	road	, 9 mi	les sor	athwest
of Brazoria.				
Black clay -	-		2	2
Brown clay -			1	3
Sandy clay -			1	4
Red clay	_		2	6
Sandy clay -	-		1	7
Red clay	##		8	15
Sandy clay -	**		1	16
Sand	_		1	17
Struck water at 1	6 fee	t. Wa		
feet below top of				
hole completed.				
Nov. 17, 1936.	110001	2000.12.1	0 0011.	00000
14040 113 12000				
T.	Tell 2	51		
South side Lolleil			ilo es	et of
Magnolia Syrup Ili				
Brazoria.	∨ و س.د.	71111100	000011	10000
Clay			1	1
Sandy clay -	_		ì	2
Sand			1.	3
	-			
Sandy clay -	-	+=	1 5	<u>4</u> 9
Clay*	-			1
Sand	-		2	11
Clay			2	13
Sand			1	14
				vel, 9.3
feet below top of				
hole completed.	Water	sampl	e coll	ectod.
Nov. 17, 1936.	<u></u>			
<u>V</u>	<u> </u>	53		

Datidy Order	Ga-111
Sand 3 C	Sandy clay 1 4
Sandy clay 3 8	Clay 2 6
Sand 5 13	Sandy clay 3 9
Water level, 11.6 feet below top of	Clay 2 11
ground 36 hours after hole completed.	Sandy clay 1 12
Water sample collected. Nov. 17, 1936.	Sand 1 13
	Struck water at 12 feet. Water level,
Well 248	8.3 feet below top of ground 4 hours after
East side McMeill road, 9 miles southwest	hole completed. No water sample collected
of Brazoria.	Nov. 23, 1936.
Black clay 2 2	terragion descriptions about the improvement of program description description of the interval of the individual to the
Brown clay 1 3	Well 255
Sandy clay 1 4	South side KcWeill road, 52 miles south-
Red clay 2 6	west of Brazoria.
Sandy clay 1 7	Sandy clay 6 6
Red clay 8 15	Clay 4 10
	Sand 2 12
	Struck water at 11 feet. Water level,
Struck water at 16 feet. Water level, 4.0	1 0
feet below top of ground 38 hours after	after hole completed. Water sample col-
hole completed. Water sample collected.	lected. Nov. 17, 1936.
Nov. 17, 1936.	
	Well 257
Well 251	South side McNeill road, $4\frac{3}{4}$ miles south-
South side LeWeill road, $\frac{1}{4}$ mile east of	west of Brazoria.
Magnolia Syrup Hill, 8 miles southwest of	Sandy clay 3 3
Brazoria.	Clay 5 8
Clay 1 1	Sandy clay 2 10
Sandy clay 1 2	Sand 1 11
Sand 1 3	Struck water at 11 feet. Water level,
Sandy clay 1 4	9.9 feet below top of ground 42 hours
Clay 5 9	after hole completed. Water sample col-
Sand 2 11	locted. Hov. 17, 1936.
Clay 2 13	manufacture and a first a first and a firs
Sand 1 14	Well 262
Struck water at 14 feet. Water level, 9.3	
	McHeill road junction, 5 miles southwest
hole completed. Water sample collected. Nov. 17, 1936.	of Brazoria.
MOV. 11, 1300.	Clay 1 1
W 33 000	Sandy clay 3 4
Well 253	Clay 2 6
South side McMeill road, at road junction,	
6호 miles southwest of Brazoria.	Sand 1 10
Black clay 4 4	Struck water at 10 feet. Water level,
Red clay 8 12	6.6 feet below top of ground 6 hours after
Sandy clay 1 13	hole completed. No water sample collected
Sand 1 14	Nov. 23, 1936.
Struck water at 15 feet. Water level,	Weeter Branch (All Control of Con
8.3 feet below top of ground 41 hours	Well 263
after hole completed. Water sample col-	Flat, north side county road, 2 miles
lected. Nov. 17, 1936.	east of McNeill road junction, 42 miles
	(Continued on next page)
	(containing our make hafe)

Hogs of tool world all life	
Thickness Depth (feet) (feet)	Thickness Depth (fect) (fcct)
(Teer) ((Toes)	(1660) (1660)
Well 263Continued	Well 274Continued
southwest of Drazoria.	Sand 1 14
Black clay 4 4	Struck water at 14 feet. Water level,
Brown clay 4 8	10.3 feet below top of ground 6 hours
Red clay 1 9	after hole completed. Water sample col-
Sandy clay 3 12	lected. Nov. 19, 1936.
Sand 1 13	Transfer of the American Ameri
Struck water at 13 feet. Water level,	Well 275
9.6 feet below top of ground 72 hours	Flat, west side State Highway No. 56, 23
after hole completed. No water sample	miles south of Brazoria.
collected. Nov. 20, 1936.	Clay 5 5
The state of the s	Sand 1 6
Well 265	Struck water at 5 feet. Mater level, 2.7
Flat, north side county road, 3/4 mile west	feet below top of ground 22 hours after
of San Bernard River, $3\frac{5}{4}$ miles southwest	hole completed. Water sample collected.
	11 ~
of Brazoria.	Oct. 14, 1936.
Dlack clay 4 4	1877 7 07 C
Brown clay 2 6	Well 276
Red clay 4 10	Flat, west side State Highway No. 36,
Sandy clay 3 13	north of county road intersection, $3\frac{1}{2}$
Red clay 1 14	miles southeast of Brazoria.
Sand 3 17	Black clay 4 4
Struck water at 17 foot. Water level,	Red clay 6 10
9.2 feet below top of ground 72 hours	Sandy clay 2 12
after hole completed. No water sample	Send 10 22
collected. Nov. 20, 1936.	Quicksand 1 23
	Struck water at 23 feet. Caving at 25
Well 266	feet. Water level, 22.8 feet below top
Flat, north side county road, 2 mile east	of ground 8 hours after hole completed.
of San Bernard River, $3\frac{1}{2}$ miles south of	Ho water sample collected. Nov. 19, 1930
Brazoria.	
Black clay 4 4	Well 280
Red clay 6 10	South side county road, a mile east of
Sandy clay 1 11	San Bernard River, 8 niles south of Bra-
Sand 1 12	zoria.
Struck water at 12 feet. Water level,	Sandy elay 2 2
8.7 feet below top of ground 24 hours	Sand 7 9
after hole completed. Water sample col-	Caving at 9 feet. Water level, 8.7 feet
lected. Hov. 20, 1936.	below top of ground 24 hours after hole
	completed. No water sample collected.
Woll 268	Nov. 18, 1936.
Flat, north side county road, la miles	Mark this device and a state of the state of
east San Bernard River, 34 miles south of	Woll 301
Brazoria.	West side State Highway Ho. 36, south of
Clay 3 3	county road intersection, $11\frac{1}{2}$ miles west
Sandy clay 5 8	of Freeport.
Sand 1 9	Sand 4 4
Water level, 4.3 feet below top of ground	Struck water at 4 feet. Water level, 1.0
24 hours after hole completed. Water	feet below top of ground 21 hours after
sample collected. Nov. 20, 1936.	holo completed. Water sample collected.
Acethra corrections 110.4 vol 12004	
Well 274	Oct. 14, 1936.
And the second s	77.77.700
North side county road, west of railroad,	Well 302
3½ miles south of Brazoria.	West side State Highway No. 36, on Clemen
Sandy clay 2 2	State Farm, 11 miles west of Freeport.
Clay 4 6	Sandy clay 1 1
Sandy clay 7 13	Sand 7 8

	Thicknes	-
	(feet)	(feet)
Well 302Con		_
Water level, 4.6 feet		
20 hours after hole con	mpleted. W	ater
sample collected. Oct		
		
Well 30	04	
West side State Highwa	y No. 36, o	n Clemens
State Farm, 10 miles w		
	2	1 2
Clay	6	8
Sandy clay	- 2	10
Sand	- 2	12
Struck water at 10 fec		
3.4 feet below top of		
after hole completed.	Metor cern	lo gol -
		Te COT-
lected. Oct. 15, 1956	•	
777_7 7 77	0.5	
Well 3		_4
West side State Highway		
Peach Point and Clemen		m, 95
miles west of Freeport		
Sandy clay	3	3
Sand	3	6
Struck water at 5 feet	. Water lo	vel, 3.5
feet below top of ground		
hole completed. Water		
Oct. 15, 1936.	.	
		
Well 3	11	
		ast of
South side county road	, 2 miles e	
South side county road San Bernard River, 10	, 2 miles e	
South side county road San Bernard River, 10 port.	, 2 miles e miles west	of Free-
South side county road San Bernard River, 10 port. Sandy clay	, 2 miles e miles west	of Free-
South side county road San Bernard River, 10 port. Sandy clay Sand	, 2 miles e miles west - 2 - 2	of Free-
South side county road San Bernard River, 10 port. Sandy clay Sand Sandy clay	, 2 miles e miles west - 2 - 2 - 1	of Free-
South side county road San Bernard River, 10 port. Sandy clay Sand Sandy clay Clay	, 2 miles e miles west - 2 - 2 - 1 - 7	of Free- 2 4 5 12
South side county road San Bernard River, 10 port. Sandy clay Sand Sandy clay Clay Sand	, 2 miles e miles west - 2 - 2 - 1 - 7 - 1	2 4 5 12 13
South side county road San Bernard River, 10 port. Sandy clay Sand Sandy clay Clay Sand	, 2 miles e miles west - 2 - 2 - 1 - 7 - 1	2 4 5 12 13
South side county road San Bernard River, 10 port. Sandy clay Sand Sandy clay Clay Sand Sand Struck water at 13 fee	, 2 miles e miles west - 2 - 2 - 1 - 7 - 1 t. Water 1	2 4 5 12 13 evel,
South side county road San Bernard River, 10 port. Sandy clay Sand Sandy clay Clay Sand Sand Sand Sand Sand Sand Sand	, 2 miles e miles west 2 2 1 7 1 t. Water 1 ground 22 h	of Free- 2 4 5 12 13 evel, ours
South side county road San Bernard River, 10 port. Sandy clay Sand Clay Sand Struck water at 13 fee 8.2 feet below top of after hole completed.	, 2 miles e miles west 2 2 1 7 1 t. Water 1 ground 22 h Water samp	of Free- 2 4 5 12 13 evel, ours
South side county road San Bernard River, 10 port. Sandy clay Sand Sandy clay Clay Sand Sand Sand Sand Sand Sand Sand	, 2 miles e miles west 2 2 1 7 1 t. Water 1 ground 22 h Water samp	of Free- 2 4 5 12 13 evel, ours
South side county road San Bernard River, 10 port. Sandy clay Sandy clay Clay Sand Struck water at 13 fee 8.2 feet below top of after hole completed. lected. Nov. 18, 1936	, 2 miles e miles west - 2 - 2 - 1 - 7 - 1 t. Water 1 ground 22 h Water samp	of Free- 2 4 5 12 13 evel, ours
South side county road San Bernard River, 10 port. Sandy clay Sandy clay Clay Sand Struck water at 13 fee 8.2 feet below top of after hole completed. lected. Nov. 18, 1936	, 2 miles e miles west 2 2 1 7 1 t. Water 1 ground 22 h Water samp	of Free- 2 4 5 12 13 evel, ours le col-
South side county road San Bernard River, 10 port. Sandy clay Sand Sandy clay Clay Sand Sand Sand Sand Struck water at 13 fee 8.2 feet below top of after hole completed. lected. Nov. 18, 1936 Well 33 South side county road	, 2 miles e miles west 2 2 1 7 1 t. Water 1 ground 22 h Water samp	of Free- 2 4 5 12 13 evel, ours le col-
South side county road San Bernard River, 10 port. Sandy clay Sand Sandy clay Clay Sand	, 2 miles e miles west - 2 - 2 - 1 - 7 - 1 t. Water 1 ground 22 h Water samp .	of Free- 2 4 5 12 13 evel, ours le col-
South side county road San Bernard River, 10 port. Sandy clay Sandy clay Clay Sand Struck water at 13 fee 8.2 feet below top of after hole completed. lected. Nov. 18, 1936 Well 33 South side county road Freeport. Slack clay	7 miles e miles west - 2 - 2 - 1 - 7 - 1 t. Water 1 ground 22 h Water samp 14 , 9½ miles	of Free- 2 4 5 12 13 evel, ours le col- west of
South side county road San Bernard River, 10 port. Sandy clay Sandy clay Sandy clay Sand Sand Struck water at 13 fee 8.2 feet below top of after hole completed. lected. Nov. 18, 1936 Well 3 South side county road Freeport. Slack clay Red clay	7 miles e miles west - 2 - 2 - 1 - 7 - 1 t. Water 1 ground 22 h Water samp 14 7 9 miles - 6 - 9	of Free- 2 4 5 12 13 evel, ours le col- west of
South side county road San Bernard River, 10 port. Sandy clay Sandy clay Sandy clay Sand Sand Struck water at 13 fee 8.2 feet below top of after hole completed. lected. Nov. 18, 1936 Well 3 South side county road Freeport. Slack clay Sand	7 miles e miles west - 2 - 2 - 2 - 1 - 7 - 1 t. Water 1 ground 22 h Water samp 14 - 6 - 9 - 1	of Free- 2 4 5 12 13 evel, ours le col- west of 6 15 16
South side county road San Bernard River, 10 port. Sandy clay Sandy clay Clay Sand Sand Sand Struck water at 13 fee 8.2 feet below top of after hole completed. lected. Nov. 18, 1936 Well 3 South side county road Freeport. Slack clay Red clay Sand Struck water at 16 foc	7 miles e miles west - 2 - 2 - 1 - 7 - 1 t. Water 1 ground 22 h Water samp 14 - 6 - 9 - 1 t. Water 1	of Free- 2 4 5 12 13 evel, ours le col- west of 6 15 16 evel, 4.0
South side county road San Bernard River, 10 port. Sandy clay Sandy clay Clay Sand Sand Sand Sand Sand Sand Struck water at 13 fee 8.2 feet below top of after hole completed. lected. Nov. 18, 1936 Well 33 South side county road Freeport. Slack clay Sand Struck water at 16 fee feet below top of grow	, 2 miles e miles west - 2 - 2 - 1 - 7 - 1 t. Water 1 ground 22 h Water samp . 14 , 9½ miles - 6 - 9 - 1 t. Water 1 nd 22 hours	of Free- 2 4 5 12 13 evel, ours le col- west of 6 15 16 evel, 4.0 after
South side county road San Bernard River, 10 port. Sandy clay Sandy clay Clay Sand Struck water at 13 fee 8.2 feet below top of after hole completed. lected. Nov. 18, 1936 Well 3 South side county road Freeport. Dlack clay Red clay Sand Struck water at 16 foc	, 2 miles e miles west - 2 - 2 - 1 - 7 - 1 t. Water 1 ground 22 h Water samp . 14 , 9½ miles - 6 - 9 - 1 t. Water 1 nd 22 hours	of Free- 2 4 5 12 13 evel, ours le col- west of 6 15 16 evel, 4.0 after
South side county road San Bernard River, 10 port. Sandy clay Sand Sandy clay Clay Sand Sand Sand Sand Struck water at 13 fee 8.2 feet below top of after hole completed. lected. Nov. 18, 1936 Well 3 South side county road Freeport. Black clay Struck water at 16 fee feet below top of grow hole completed. Water	, 2 miles e miles west - 2 - 2 - 1 - 7 - 1 t. Water 1 ground 22 h Water samp . 14 , 9½ miles - 6 - 9 - 1 t. Water 1 nd 22 hours	of Free- 2 4 5 12 13 evel, ours le col- west of 6 15 16 evel, 4.0 after
South side county road San Bernard River, 10 port. Sandy clay Sand Sandy clay Clay Sand Sand Sand Sand Sand Struck water at 13 fee 8.2 feet below top of after hole completed. lected. Nov. 18, 1936 Well 3 South side county road Freeport. Slack clay Sand Struck water at 16 fee feet below top of grow	, 2 miles e miles west - 2 - 2 - 1 - 7 - 1 t. Water 1 ground 22 h Water samp . 14 , 9½ miles - 6 - 9 - 1 t. Water 1 nd 22 hours	of Free- 2 4 5 12 13 evel, ours le col- west of 6 15 16 evel, 4.0 after

oria Coun	ty(Cont	inue	đ			
					Thiel	mesc	Dopth
			-				(foet)
	wall	27	5C	onti:	anod.		
Clay -	Mell	- OI		011 0111	- Lugu	4	. 4
Sandy cl	av	_	_	_	_	7	11
Sand -	-	-	_		-	1	12
Struck W	ater	at	12 f	cet.	Wat	ter 1	evel,
8.7 feet	belo	שי ל	op o	f gr	ound	20 h	ours
after ho	le co	mpl	oted	• 7	ator	samp.	lo col-
locted.	Nov.	18	, 19	36.			.
		***	_ 7 7	93 C			
South si	de 's:	U ate:	oll	970 270	IIo-	36.	at Peach
Point, 8	no Di	9400	teen:	nway.	Froes	oo; ,	20 10001
Sandy cl	8 m		-		-	3	1 3
Clay -	 -	**	_	***	••	2	5
Sandy cl	arr	_	-	_		4	9
Sand -		-	_	-	_	2	11
Water le	vel,	8.0	fee	t be	low :	top o	
ground 7							
Water sa							
				<u> </u>			
			ell				
South si							
Peach Po	int,	7克:	mile	s we	st o		
Clay -	-	-		-	-	9	9
Sandy ol	ay		-	-	_	3 2	12 14
Sand - Struck w	0 + 0 12	<u>-</u>	- 17 F	- -	Tito:		1
6.1 feet							
after ho							
lected.		_				D-Milp	10 001
*****							-
		•••	ell	319			_
South si	de St	tate	Hig	hway	No.	36,	$\mathcal{C}_{\mathbb{R}}^{\mathbb{N}}$ mile:
west of	Free	port	•				
Clay -	-	•••		••	-	3	3
Sandy cl	ay	-	••	-	-	4	7
Clay -	***	-	-	-	-	6	13
Sand -	-		3.0			2	15
Struck w							
8.3 feet	Dere	OW T	ob o	T gr	ouna	00 A	ours
after ho					m cot.	samp	Te cor-
lected.	000	10	J LU	00.			
		W	ell	320			
South si	de S				lio.	3შ,	6 miles
west of				U		-	
Clay -			_		_	6	6
Sandy cl	ay			-	-	2	8
Clay -		-	-	-	-	5	13
Cond -						٦	1 7/

Struck water at 13 feet. Water level, 4.9 feet below top of ground 60 hours after hole completed. Water sample col-

lected. Oct. 16, 1936.

14

South side county road, 82 miles west of

Freeport

Sand -

-34-

Logs of test wells in Brazoria County--Continued

Thickness Depth (feet) (feet)	Thickness Depth (feet)
Well 321 South side State Highway No. 36, 42 miles west of Freeport.	Well 322 South side State Highway No. 36, 37 miles west of Freeport.
Clay 2 2	Clay 3 3
Sandy clay 1 3	Sandy clay 3 6
Clay 1 4	Sand 2 8
Sandy clay 1 5	Water level, 2.5 feet below top of ground
Sand 2 7	72 hours after hole completed. Water
Struck water at 5 feet. Water level, 2.9	sample collected. Oct. 16, 1936.
feet below top of ground 65 hours after	
hole completed. Water sample collected. pet. 16, 1936.	

(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, C. R. Stewart, D. F. Riddell, and Alfred J. Kelly, Chemists, and J. A. Harmaza, Martin Wieland, and Jack Ramsey, Assistant Chemists. Results are in parts per million. Well numbers correspond to numbers in table of well records.)

		Depth	:	Total		Magnes-	Sodium and	Bicar-			Total
Well	Owner	of	Date	dissolved	Calcium	ium	Potassium	bonate	Sulphate	Chloride	hardness
No.		well	of	solids	(Ca)	(Mg)	(Na ≠ K)	(HCO ₃)	(SO ₄)	(Cl)	as CaCO ₃
		(feet)	collection	(calculated)			(calculated)		*		(calculated)
6	Lutman Lumber Co	. 110	Oct.12,1936	547	68	18	123	372	29	126	246
7	A.R. Eversole	110	do.	650	_	-		458	31	148	
8	W.M. Terry	160	do.	361	_	_	_	98	15	166	-
9	W.P.A. test well	28	do.	356	-		-	238	<u>a</u> /	103	-
10	Antone Bosak	60	Nov. 6,1936	614	_	•	-	592	27	58	**
11	W.P.A. test well	17	Nov. 5,1936	3,097	644	**		268	<u>a</u> /	1,840	***
112	J.W. McElveen	130	Nov. 6,1936	694		•=	tob	500	40	146	-
13	Mrs. R.L. Nash	145	Nov. 9,1936	496	-	**	-	464	a/	74	-
714	Mrs. Kitty Nash	160	do.	284			_	214	a/	70	
15	A.L. Bennett	190	Nov. 6,1936	574	mp:	-		342	೨/	188	<u> </u>
16	W.P.A. test well		Nov. 5,1936	1,506	-	_		647	27	600	_
17	G.D. Birdwell	105	Nov. 6,1936	451	-	-	wa	299	<u>a</u> /	132	-
18	Thomas Kolaja Sr	. 80	Nov. 9,1936	479	-	-	-	482	<u>೩</u> /	54	m-
19	W.P.A. test well	12	Nov. 5,1936	1,002	12	10	397	936	15	108	71
20	Mrs. Kitty Nash	138	Nov. 9,1936	308	-		Minis	238	<u>a</u> ,	72	_
21	W.M. Schlaht Sr.	60	do.	441	-	•	-	165	<u>a</u> /	196	_
22	S.L. Crockand	65	do.	256	_		-	244	a/	36	••
23	Mrs. R.L. Nash	125	do.	202	***			189	<u>a</u> /	30	
24	Fred Schlaht Sr.	102	do.	444	_	••	-	439	<u>a</u> /	54	-
25	Mrs. R.L. Nash	250	do.	426	-	-	-	329	<u>a</u> /	100	-
27	Nash School	120	do.	115	24	7	12	122	<u>a</u> /	12	' 90
28	Mrs. Kitty Nash	110	do.	634	92	23	129	439	a/ _	174	324
29	do.	60	do.	332	•			354	<u>a/</u>	27	-
30	W.P.A. test well	26	₫o.	169			-	159	э/	25	**
31	A. Bertram	56	do.	459			_	415	a/	76	-
32	Mrs. Kitty Nash	100	do.	339		_	-	268	<u>a</u> /	76	-
34	W.P.A. test well	21	. do.	534	-		**	317	21	156	-
36	do.	5	do.	319		_	-	311	<u>a/</u>	41	
3 7	do.	33	Nov.10,1936	581	***	_	-	567	50	29	-
38	do.	33	do.	2,307		'	_	488	1,048	270	***
	7 ~										

Partial analyses of water from wells in Brazoria County--Continued

Results are in parts per million. Total Magnes-Sodium and Bicar-Total Depth dissolved Well ofDate Calcium ium Potassium bonate Sulphate Chloride hardness Owner as CaCO, well of solids (Ca) (Mg) $(Na \neq K)$ (HCO₁₂) (SO_{α}) (C1) Nő. (feet) collection (calculated) (calculated) calculated) 15 Nov.16.1936 W.P.A. test well 278 40 _ 275 а/ 34 -41 16 22 do. 15 do. 42 16 740 47 do. 555 do. -140 Oct.12,1936 43 403 20 29 do. 13 403 44 15 11.224 342 565 do. do. 43 ---65 437 12 45 C. Matula do. 415 51 -657 23 W.P.A. test well 13 do. 6 7 257 512 112 44 317 R. Russel. 95 214 12 47 do. 80 --** _ R.R. Farmer 420 Oct.21.1936 571 403 a/ 154 Rudolfo Buchta Oct.10,1936 698 32 125 95 409 104 12 224 390 W.P.A. test well 427 31 31 21 409 do. R.N. Pollard 80 524 23 84 do. 439 W.P.A. test well 18 52 do. 444 458 a/ 44 -53 25 do. 527 494 78 do. *** a/ -Oct.13,1936 220 52 24 261 54 do. a/ * -The Texas Co. 323 577 Oct.12,1936 591 27 196 186 112 11 12 58 W.P.A. test well Nov. 6.1936 3,245 1.073 ,030 18 140 ---59 27 3,294 708 1,077 760 do. do. 60 do. 23 do. 3,095 415 1,448 450 61 150 462 Geo. Tinsley do. 384 a/ 94 W.P.A. test well 383 244 96 30 62 do. _ _ _ _ 63 Nov. 5,1936 1,863 982 471 250 do. 64 Nov.20.1936 1,285 561 119 420 do. 24 --65 23 6,042 3,377 do. do. 238 680 T.M. Smith Nov.10,1936 738 281 325 66 692 Dr. M.A. Weams 500 730 366 275 do. a, • -John Craig 635 do. 275 360 69 787 <u>a</u>/ East Columbia School 688 12 281 268 390 858 43 158 do. a/ 1,380 71 W.P.A. test well Oct.16.1936 4,821 287 1.714 10 _ 262 72 Humble Oil Co. 750 Oct.26.1936 729 26 6 366 255 89 2 73 750 690 6 311 260 89 26 245 do. do. a 372 2,680 W.P.A. test well Oct.16,1936 4,577 58

29

11

275

305

252

12

a/

270

295

117

a/Sulphate less than 10 parts per million.

Oct.13,1936

do.

664

737

502

495

E.J. Hagemeier

T.M. Smith

75

Partial analyses of water from wells in Brazoria County--Continued

Results are in parts per million.

				Results are	in parts	per mil	lion.				
		Depth		Total		Magnes-	Sodium and	Bicar-			Total
Well	Owner	of	Date	dissolved	Calcium	ium	Potassium	bonate		Chloride	hardness
No.	,	well	of	solids	(Ca)	(Mg)	$(Na \neq K)$	(HCO ₃)	(50_4)	(C1)	as CaCO,
		(feet)	collection	(calculated)			(calculated		-		(calculated)
78	Humble Oil Co.	640	Oct.13,1936	455	26	1.0	49	311	15	202	106
79	W.F.A. test well	15	Oct.19,1936	2 , 500	-	_	-	55	<u>a/</u>	1,570	-
. 80	₫o∙	16	Oct.13,1936	636	-		-	476	50	112	
81	do.	23	do.	747	_	***	_	488	a/	222	- to
82	J.A. Rogers	60	Oct.14,1936	592	40-	-	-	464	15	180	, es.
83	F.L. Wise	320	do.	743	-	-	-	439	a/	245	-
86	F.N. Bullock	750	do.	865	2 7	10	307	317	<u>a</u> /	365	106
87	do.	700	do.	870	-		-	470	a/	310	-
88	W.P.A. test well	20	Oct.15,1936	740	-		-10	329	<u>a</u> /	300	-
89	F.N. Bullock	762	Oct.13,1936	1,175	-	-		317	<u>a</u> /	585	••
90	R.R. Farmer	100	Oct.21,1936	489	-	-		232	21	172	-
91	W.P.A. test well	25	Oct.19,1936	731	-	_		494	27	184	-
	U.G. Smith	37	Oct.21,1936	ବ୍ରଷ	**	_	-	464	66	270	-
94	R.R. Farmer	613	do.	682		-	-	384	a/	235	-
7.96	do.,	60	do.	367	-	_	-	153	12	144	-
.97	W.P.A. test well	28	Oct.20,1936	342	_			256	35	53	-
98	do.	36	do.	1,692	**	-	-	378	170	730	_
.99	B.N. Crouch	665	Oct.21,1936	713	14	6	270	397	a/	228	59
100	do.	365	do.	1,035	55	21	326	311	<u>a</u> /	480	223
101	W.P.A. test well	50	do.	1,900	-	~		305	127	'940	**
102	∵ ≑.	Spring	Nov.18,1936		17	11	10	98	<u>a</u> /	20	87
103		do.	do.	265	-	-	-	293	<u>a</u> /	16	-
104		do.	do.	120	-	_	•••	110	a/	19	
105		do.	do.	289	79	12	20	330	<u>a</u> /	15	248
106		do.	Nov.16,1936		74	6	19	281	<u>a</u> /	14	209
107	* _	do.	do.	211	-	**		238	a/	10	
108	****	do.	do.	474	166	17	-	567	<u>a</u> /	12	485
109		do.	do.	343	-	-	-	384	a/	18	-
110		do.	Oct.23,1936	304	_	-	-	323	а/	25	-
111		do.	do.	239	82	10	-	262	<u>a</u> /	18	246
112	W.P.A. test well	35	Oct.22,1936	720	_	-	-	226	58	290	-
116	Humble Oil Co.	650	Oct.23,1936		54	16	435	342	a/	615	200
117	Danciger Oil & Re	∍− 700	do.	1,237	29	12	447	323	<u>a</u> /	590	123
	fining Co.			•					-		

a/ Sulphate less than 10 parts per million.

Partial analyses of water from wells in Brazoria County--Continued

Results are in parts per million. Magnes-Sodium and Bicar-Depth Total Total Potassium | bonate | Sulphate | Chloride | hardness Well ofdissolved Calcium ium 0wn er (Mg) $(Na \neq K)$ (HCO3) (SO_A) (C1) las CaCO, No. well solids (Ca) (feet) collection (calculated) (calculated) (calculated) 179 118 Danciger Oil & Oct.23,1936 379 34 23 a/ 81 116 184 Refining Co. 120 O.L. Hodge Jr. 1.42 do. 476 458 a/64 121 Danciger Oil & 156 314 a/102 do. 189 Refining Co. A.549 122 23 397 W.P.A. test well 367 450 _ ---_ **EO1** 23 Nov. 4,1936 1.523 170 395 do. 811 202 20 3,250 79 1,235 920 do. do. 203 13 do. 23 449 439 do. 36 _ 19 Nov. 3,1936 405 204 220 a/ 144 do. -205 Oct.26,1936 1,510 33**5** 790 ---600 8/ -• ----207 W.P.A. test well 262 36 Nov. 3.1936 128 27 76 ----209 .do. Oct.26.1936 1.030 420 403 31 --_ 211 Oct.13.1936 905 147 142 do. 580 212 9 143 74 868 671 do. do. 213 9 35 do. do. 464 445 32 -214 79 146 do. Oct.14,1936 755 506 215 5,182 531 2,680 do. 11 293 do. --_ -216 J.S. Montgomery Oct.15,1936 1,340 598 158 85 400 -W.H. Brigance . 500 1,206 354 575 217 do. 12 -_ ---12 Oct.14.1936 425 218 W.P.A. test well 1,172 519 58 219 13 214 37 17 254 do. do. _ -Smith Bros. Gin Co.822 2,424 a/.410 220 do. 268 Brazoria Colored 125 1,323 132 294 554 do 55 410 120 520 Public School 222 Brazoria Public 125 do. 625 73 27 138 531 54 72 292 School 223 County Court 1.200 7,291 146 2,631 4,320 281 595 do. 56 a/ House 120 Stranger Bros. 140 Oct.15,1936 684 512 54 Oct.14.1936 1,557 740 13 342 85 W.P.A. test well H.C. Havslip Oct.22,1936 21 525 1,201 427 494 -------458 43 206 228 J.S. Montgomery 150 Oct.15,1936 758 a/ 229 W.P.A. test well Oct.14,1936 448 _ 519 15

Partial analyses of water from wells in Brazoria County--Continued Results are in parts per million.

_	Results are in parts per million.												
		Depth		Total		Magnes	- Sodium and				Total		
Well	Owner	$\circ f$	Date	dissolved	Calcium	ium			Sulphate	Chloride	hardness		
No.		well	of	solids	(Ca)	(Mg)	(Na ≠ K)	(HCO3)	(SO ₄)	(C1)	as CaCO,		
		(feet)	collection	(calculated)			(calculated)	J	-		(calculated)		
230	Ran. Prel	126	Oct.15,1936	674	-			445	50	152	4-		
231	W.P.A. test well	9	Nov.16,1936		-	***	-	1,086	104	280	••		
232	do.	19	Nov.17,1936	7,936	-	*-	-	329	2,895	2,280	-		
233	do.	13	do.	633	1	12	244	531	39	76	53		
234	L.J. McNeill	40	Oct.15,1936	1,057	**		-	567	164	230	-		
235	W.P.A. test well	9	Nov.17,1936	183	esta.	-	-	116	31	28	No		
236	J.O. Fossel	460	Nov.15,1936		-	~		397	15	555	4 0		
238	W.H. Burns	510	do.	1,434	-		-	281	<u>a/</u>	770	_		
239	Clyde McKinney	120	Oct.26,1936		43	35	101	415	<u>a/</u>	94	252		
240	M.L. Smith	185	do.	344	_	-		101	14	150	_		
241	R.D. McDonald	500	do.	1,322	60	26	424	268	a/	680	256		
242	R.R. Ramey	160	do.	559	54	26	133	397	23	128	241		
243	A.K. Warters	175	do.	758		-	-	409	23	250	-		
245	J.R. Smith	500	do.	1,356		_	194	262	a/	730	***		
247	W.P.A. test well	13	Nov.17,1936			-	**	183	54	176	-		
248	do.	17	do.	2,844	+	-	-	610	1,416	216			
249	G.C. Davis	40	Nov.19,1936		_		-	360	162	90	**		
250	do.	92	do.	1,212	-			293	85	545			
251	W.P.A. test well	14	Nov.17,1336	927		-	440	373	185	230	**		
252	W. Martin	535	May 18,1936		_	**	-	372	<u>a/</u>	250	**		
253	W.P.A. test well	14	Nov.17,1936	277	46	-	***	226	31	31	•		
255	do.	12	do.	432			-	311	50	68	400		
256	Chas. Brewer	562	Oct.15,1936	1,496		**	-	281	<u>a</u> /	810			
257	W.P.A. test well	11	Nov.17,1936		-	**	_	61	847	60	**		
258	A.J. Proebstle	125	Oct.22,1936			-	<u>.</u>	336	<u>a</u> /	1,450	-		
259	do.	850	do.	2,412	_			293	a/	1,390	-		
264	R.R. Kropp	40	do.	1,041	44	-		110	158	465	_		
266	W.P.A. test well	12	Nov.20,1936	1,270		••		769	120	300	_		
267	- Hinkle	5 7	Oct.22,1936			_	-	470	58	255	_		
268	W.P.A. test well	9	Nov.20,1936		-	_	fine .	622	54	108	-		
269	Jefferson Lake	746	Oct.22,1936	2,622			•	281	а/	1,530	•••		
********	Oil Co.												
270	do.	497	May 20,1936		-	_	**	403	<u>a/</u>	700			
273	do.	497	do.	1,395	36	13	504	407	a/	645	143		
	a/ Sulphate loca	thon	70 mamba mana										

Partial analyses of water from wells in Brazoria County--Continued

Results are in parts per million.

	Results are in parts per million.											
		Depth		Total		Magnes-	Sodium and	Bicar-			Total	
Well	Owner	of	Date	dissolved	Calcium	ium	Potassium	bonat e	Sulphate	Chloride	hardness	
No.		well	of	solids	(Ca;)	(Mg)	$(Na \neq K)$	(HCO ₃)	(SO ₄)	(C1)	as CaCOz	
		(feet)	collection	(calculated)		-	(calculated		-		(calculated)	
274	W.P.A. test well	. 14	Nov.19,1936	849		-	-	677	31	160	-	
275	do.	6	Oct.14,1936	782	-	810	-	543	50	170	_	
277	Clemens State Fa	rm 600	Oct.19,1936	1,466	34	18	523	384	12	690	161	
279	P. McNeill	505	Oct.22,1936	1,236			_	354	a/	605	_	
281	L.J. McNeill	700	Oct.27,1936	1,171	-	-		445	12	505		
282	E.D. Pearson	485	₫o.	981	-	-	-	348	a/	445	-	
284	J.T. Hinkle	568	May 19,1936	774	-	_	-	372	<u>a</u> /	300	-	
285	do.	560	do.	812	16	6	307	372	а/	300	61	
286	T.J. Poole	580	May 18,1936	852	-		-	390	<u>a</u> /	340	-	
287	do.	580	do.	790	-	**	***	372	<u>a</u> /	310	•	
289	do.	580	Oct.27,1936	1,344	-	-	_	641	15	510	-	
291	do.	580	do.	1,408	13	8	546	567	12	550	65	
292	do.	600	May 18,1936	1,364	-	-	-	329	<u>a</u> /	700	***	
293	do.	590	do∙	1,415	29	1.1.	519	3 17	<u>a</u> /	700	117	
294	J.L. Ducroz	542	do.	7 50	-	-	_	390	<u>a</u> /	275		
295	M.N. Percy	500	do.	1,403	-	-		281	<u>a</u> /	750	-	
296	Craig Estate	600	₫o.	717	13	5	274	397	<u>a</u> /	230	53	
301	W.P.A. test well		Oct.14,1936	2,586	-	**	-	104	<u>a</u> /	1,600	-	
302	do.	1.8	do.	205	•	***		134	20	43		
303	Clemens State Fa	rm 850	Oct.19,1936	1,439	15	13	53 7	268	12	730	93	
304	W.P.A. test well	. 12	Oct.10,1936	797		-	***	354	201	142		
305	do.	6	do.	442	C30	-	-	439	27	28	-	
306	Kate Huntington	487	Oct.30,1936	1,241	-	**	•••	293	<u>a</u> /	640	_	
307	E.N. Krause	578	Oct.27,1936	910			_	366	a/	390		
308	T.J. Poole	618	do.	938	pa .	-	_	390	<u>a</u> /	395	-	
309	Nelson Bell	600	do.	1,400	***	-	**	671	15	530	-	
310	S. Allen	1,000	May 18,1936	3,140	-			397	12	1,790	-	
311	W.P.A. test well	13	Nov.18,1936	3,652	**	••	-	342	100	2,060	-	
312		700	Nov.19,1936	870	108	34	190	586	20	230	411	
314	W.P.A. test well	. 16	Nov.18,1936	749	abon.		_	519	12	190	4	
315	do.	12	do.	388	-		444	299	35	60	-	
316	₫o.	11	Dct.15,1936	1,207		•••	-	616	54	400	-	
317		1,000	Oct.30,1936	2,001	-	_	_	3 0 5	a/	1,120	-	
318	W.P.A. test well	14	Oct.15,1936	664	-	-	-	586	31	90	_	
	a/ Culmbata lasa	47	10 - a m ana	m4774am								

Partial analyses of water from wells in Brazoria County--Continued Results are in parts per million.

				HESULUS ale							
		Depth		Total		Magnes-	Sodium and	Bicar-		-	Total
Well	Owner	of	Date	dissolved	Calcium	ium	Potassium	bonate	Sulphate	Chloride	hardness
No.		well	of	solids	(Ca)	(Mg)	(Na ≠ K)	(HCO ₋₂)	(SO ₄)	(C1)	Jas CaCO ₃
		(feet)	collection	(calculated)			(calculated)	-		(calculated)
319	W.P.A. test	well 15	Oct.16,1936	9,587	N-2	•	***	470	459	5,470	-
320	do.	14	do.	15,102	-		-	427	1,949	7,670	
321	do.	7	do.	13,390		,	**	122	2,208	6,500	
322	do₊	8	do.	28,309	629	1,440	7,905	354	3,331	14,830	7,7462
323	South Texas	Util÷~251	Oct.30,1936	814	20	12	302	610	<u>a</u> /	180	97
	ities Co.										
324	do.	250	do.	819	18	16	299	598	<u>a</u> /	192	110
325	do.	250	do.	802	-	-	**	665	а/	164	-
326		650	do.	1,725	27	13	647	525	a/	780	123
327	W.J. Bryan	570	do∙	2,299	-	-	-	421	<u>a</u> /	1,250	-
329	J.L. Ducroz	58 0	May 18,1937	1,660	16	13	638	695	16	635	93
330	T.J. Poole	580	do.	1,739	14	13	673	689	a./	700	88





