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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.

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WORKS PROGRESS ADMINISTRATION

GROUND WATER SURVEY

PROJECT 2080

J. F. Heuser
Project Superintendent

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

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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.

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Austin, Texas
Sept. 10, 1937

BRAZORIA COUNTY, TEXAS
(West of the Brazos River)

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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-Galveston 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 deserves 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
(All wells are bored or drilled unless otherwise noted in "Remarks" column.)

No.	Distance from East Columbia	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
d/ 2	13 miles northwest	Mrs. Belle Wisdom, et al.	L. & M. Production Co.	--	1929	2,745	--	--
6	10 $\frac{1}{2}$ miles northwest	Lutman Lumber Co.	Ben Weinbrener	Flat	1932	110	2	--
7	10 miles northwest	A. R. Eversole	do.	do.	1932	110	2	--
8	do.	W. M. Terry	do.	do.	1930	160	3	--
10	do.	Antone Bosak	--	--	1937	60	2	--
12	10 miles north	J. W. McElveen	-- Powell	Flat	1918	130	2 $\frac{1}{2}$	--
13	9 $\frac{1}{2}$ miles north	Mrs. R. L. Nash	Ben McKinney	do.	1934	145	2	--
14	9 miles north	Mrs. Kitty Nash	Ben Weinbrener	do.	1935	160	3	--
15	10 miles north	A. L. Bennett	do.	do.	1934	190	1 $\frac{1}{4}$	--
17	9 $\frac{1}{2}$ miles north	G. D. Birdwell	do.	do.	1933	105	3	--
18	9 miles north	Thomas Kolaja, Sr.	Thomas Kolaja, Jr.	do.	1915	80	2	--
20	9 $\frac{1}{2}$ miles north	Mrs. Kitty Nash	Ben McKinney	do.	1926	138	2	--
21	10 miles north	W. M. Schlaht, Sr.	Dick Fleschner	do.	1933	60	3 $\frac{3}{8}$	--
22	do.	S. L. Crockand	do.	do.	1933	65	2	--
23	do.	Mrs. R. L. Nash	Ben McKinney	do.	1934	125	3	--
24	do.	Fred Schlaht, Sr.	Dick Fleschner	do.	1934	102	2 $\frac{1}{2}$	--
25	10 $\frac{1}{2}$ miles north	Mrs. R. L. Nash	--	do.	1920	250	3	--
27	9 $\frac{1}{2}$ miles north	Nash School	Ben McKinney	do.	1933	120	2	--
28	do.	Mrs. Kitty Nash	do.	do.	1930	110	3	--
29	do.	do.	--	do.	1915	60	2 $\frac{1}{2}$	--
31	9 miles north	A. Bertran	Dick Fleschner	do.	1936	56	2	--
32	8 $\frac{1}{2}$ miles north	Mrs. Kitty Nash	Ben McKinney	do.	1917	100	2	--
45	7 $\frac{1}{2}$ miles northwest	C. Matula	C. Matula	do.	1913	65	3	--
47	7 miles northwest	R. Russel	R. Russel	do.	1933	95	1 $\frac{1}{2}$	--
48	9 $\frac{1}{2}$ miles northwest	R. R. Farmer	L. Patterson	do.	1915	420	4	--

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
(Chemical analyses of water from these wells and springs are in the table of analyses.)

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measure- ment			
2	--	--	--	--	Oil test. Located in A. Darst survey, block 51, center of lot 51. Well No. 3. See log.
6	--	--	-,E,-	D	Tubing, top to bottom. Reworked in 1936. Located at Texaco station, Damon.
7	--	--	-,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	--	--	C,H	D	
12	--	--	C,H,W	D	
13	--	--	C,W	S	
14	--	--	C,W	S	Located in pasture, $\frac{1}{2}$ mile south of road.
15	--	--	C,H	D,S	$3\frac{1}{4}$ -inch casing at top.
17	--	--	C,W	D,S	
18	--	--	C,H,W	D	Tenant reported well frequently sands up.
20	--	--	C,W	S	
21	--	--	C,W	D	
22	--	--	C,H	D	
23	--	--	C,W, G,5	S	
24	--	--	C,H,W	D	
25	--	--	A,G, 10	D	
27	--	--	C,H	D	Casing, top to bottom.
28	--	--	C,W	S	$3\frac{1}{2}$ -inch casing at top.
29	--	--	C,H	D	
31	--	--	C,H,W	D	$2\frac{1}{2}$ -inch tubing at top.
32	--	--	C,W	S	Well sands up frequently.
45	--	--	C,H, 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.

Records of wells and springs in Brazoria County--Continued

No.	Distance from East Columbia	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
49	6 $\frac{1}{2}$ miles northwest	Rudolfo Buchta	C. Matula	Flat	1932	95	2	--
51	6 miles northwest	R. N. Pollard	R. N. Pollard	do.	1934	80	1 $\frac{1}{4}$	--
55	3 $\frac{1}{2}$ miles northwest	The Texas Company	F. F. Powell	do.	1920	577	4	--
d/ 56	3 miles northwest	do.	--	do.	--	678	6	--
d/ 57	3 miles north	State Highway Department	--	do.	1935	135	4	4.4
61	4 $\frac{1}{2}$ miles northeast	Geo. Tinsley	Ben Weinbrener	do.	1935	150	2	--
66	In East Columbia	T. M. Smith	L. Patterson	do.	1917	692	2	--
d/ 67	do.	do.	do.	do.	1914	500	2	--
68	do.	Dr. M. A. Weams	do.	do.	1928	500	3	--
69	do.	John Craig	do.	do.	1918	635	3	--
70	do.	East Columbia School	do.	do.	1925	688	3	--
72	1 mile west	Humble Oil & Ref. Co.	Crown Oil Co.	do.	1914	750	4	--
73	do.	do.	do.	--	1914	750	5	--
75	1 $\frac{1}{4}$ miles west	E. J. Hagemoier	--	--	1922	502	3	--
76	do.	T. M. Smith	T. M. Smith	Flat	1920	495	4	--
d/ 77	do.	do.	do.	--	1918	600	4	--
78	2 $\frac{1}{4}$ miles west	Humble Oil & Ref. Co.	Humble Oil & Ref. Co.	Flat	1920	640	6	--
82	3 miles west	J. A. Rogers	--	do.	1933	60	4	--
83	3 $\frac{1}{2}$ miles west	F. L. Wise	Ben Weinbrener	do.	1934	320	2 $\frac{1}{2}$	--
d/ 85	1 $\frac{1}{4}$ miles west	Equitable Mining Co.	--	--	--	500	--	--
86	3 $\frac{1}{2}$ miles west	F. N. Bullock	B. F. Hodges	Flat	1915	750	4	--
87	3 $\frac{1}{4}$ miles west	do.	do.	do.	1916	700	5	--
89	3 $\frac{1}{4}$ miles west	do.	L. Patterson	do.	1920	762	3-3/8	--
90	4 $\frac{1}{2}$ miles west	R. R. Farmer	Ben Weinbrener	do.	1935	100	2	--
92	do.	W. G. Smith	W. L. Brown	do.	1932	37	--	--
94	4 $\frac{1}{4}$ miles west	R. R. Farmer	L. Patterson	do.	1918	613	2	--
d/ 95	5 miles west	do.	R. R. Farmer	do.	1936	39	4	--

J. F. Heuser, Project Superintendent

No.	Water Level Depth below measuring point (feet)	Date of measure- ment	Pump and power b/	Use of water c/	Remarks
49	--	--	C,H	D	Galvanized pipe, top to bottom.
51	--	--	C,W	D	2-inch galvanized pipe at top, reduced to 1 $\frac{1}{4}$ inches at bottom.
55	--	--	A,-, 30	Ind	532 feet galvanized iron casing. Water reported, 532-577 feet. Located in West Columbia.
56	--	--	A,-, 30	D,Ind	8-inch galvanized iron casing at top, reduced to 6 inches at bottom. Located in West Columbia.
57	18.7	Nov. 6, 1936	--	N	Water level measured from top of airline.
61	--	--	C,W	D	4-inch casing at top.
66	Flows	Nov. 10, 1936	-,G,-	P	Flows 7 $\frac{1}{2}$ gallons a minute, 6.5 feet above ground. Owner reported water, 672-692 feet. Temperature 73°F.
67	Flows	do.	C,W	N	Water level 1.4 feet above ground. Owner reported 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 minute, 7.5 feet above ground. Neighbor reported
72	Flows	Oct. 26, 1936	None	N	Flows 5 gallons a minute, 3 feet above ground. water, 668-688 feet. Temperature 73°F.
73	Flows	do.	None	N	Flows 4 gallons a minute, 3 feet above ground.
75	Flows	Oct. 13, 1936	A,G, E,-	D	Flows 5 gallons a minute. Located behind Brazos Hotel, 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	D	Water level reported 30 feet above ground. 560 feet iron casing. Well capped at time of
78	Flows	do.	-,E, 35	D	Water level 5 feet above ground. Iron casing, top to bottom. Located in
82	--	--	C,H	D	Water reported, 45-60 feet. West Columbia.
83	Flows	Oct. 14, 1936	C,H	D	Estimated flow, 6 gallons an hour, 0.5 foot above ground. Galvanized pipe, top to bottom. Temperature
85	--	--	--	--	Located at Miser Heights. See log. 70° F.
86	Flows	Oct. 14, 1936	None	D	Flows 2 gallons a minute, 4 feet above ground. 740 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 casing, reduced from 6 inches to 5 inches.
89	Flows	Oct. 13, 1936	None	D	Estimated flow, 20 gallons a minute, 20 feet above ground. 742 feet iron casing. Water reported, 742-
90	--	--	C,W	S	762 feet. Temperature 70° F.
92	--	--	C,W	D	
94	--	Oct. 21, 1936	None	D	Estimated flow, 4 gallons a minute, 8 feet above ground. Tubing, top to bottom. Water reported, 537-
95	22.8	do.	--	N	Water level measured from top of casing, 613 feet. which is 0.5 foot above ground. Casing, top to bottom.

Records of wells and springs in Brazoria County--Continued

No.	Distance from East Columbia	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
96	5 miles west	R. R. Farmer	L. Patterson	Flat	1936	60	4	1
99	7 miles west	B. N. Crouch	B. N. Crouch	--	1915	665	4	--
100	do.	do.	do.	Flat	1930	365	4	--
102	do.	--	--	River bank	--	Spring	--	--
103	do.	--	--	do.	--	Spring	--	--
104	do.	--	--	do.	--	Spring	--	--
105	do.	--	--	do.	--	Spring	--	--
106	7½ miles west	--	--	do.	--	Spring	--	--
107	8 miles west	--	--	do.	--	Spring	--	--
108	8½ miles west	--	--	do.	--	Spring	--	--
109	do.	--	--	do.	--	Spring	--	--
110	do.	--	--	do.	--	Spring	--	--
111	do.	--	--	do.	--	Spring	--	--
116	12½ miles west	Humble Oil & Ref. Co.	Humble Oil & Ref. Co.	Flat	1930	650	4	--
117	13 miles west	Danciger Oil & Refining Co.	Danciger Oil & Refining Co.	do.	1934	700	5	0
118	do.	do.	do.	do.	1933	139	6	--
120	12½ miles west	O. L. Hodge, Jr.	C. L. Bundick	do.	1933	142	2	0
121	13 miles west	Danciger Oil & Refining Co.	Danciger Oil & Refining Co.	do.	1935	156	4	--
No.	Distance from Brazoria	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
205	9½ miles west	--	--	Flat	--	600	2	--
216	3½ miles west	J. S. Montgomery	Geo. Potvin	do.	1935	85	2	0
217	2½ miles west	W. H. Brigance	Fred Powell	do.	1916	500	2	--

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

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
96	27.3	Oct. 21, 1936	C,H	S	
99	--	--	-,G,-	D	Well flowed at surface in summer of 1936.
100	--	--	C,W, G,-	D	
102	Flows	Nov. 18, 1936	None	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	N	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 $\frac{1}{2}$ gallon a minute from opening in sand. Located on San Bernard River at Cedar Break Bridge.
110	Flows	Oct. 23, 1936	None	N	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, $1\frac{1}{2}$ gallons a minute from opening in sand.
116	--	--	C,Gs, E,-	D	
117	20	e/	A,-	Ind	Located at Danciger.
118	--	--	A,-	Ind	Do.
120	18	e/	-,E, G,10	D	Do.
121	--	--	A,-	D	Do.

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
205	Flows	Oct. 26, 1936	None	S	Estimated flow, 6 gallons a minute. Water level, 4 feet above ground.
216	20	e/	C,W	S	
217	Flows	Oct. 15, 1936	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.
	Flows	May 20, 1937			

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

d/ No water sample collected for analysis.

e/ Water level reported.

Records of wells and springs in Brazoria County--Continued

No.	Distance from Brazoria	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
220	$\frac{1}{2}$ mile north	Smith Bros. Gin Co.	F. Harris	--	1924	822	2	-- --
221	In Brazoria	Brazoria Colored Public School	--	Flat	--	125	2	0
222	do.	Brazoria Public School	--	do.	1934	125	2	--
223	do.	County Court House	--	do.	1896	1,200	4	--
224	do.	Stranger Bros.	Geo. Potvin	--	1930	140	4	--
227	$1\frac{3}{4}$ miles southwest	H. C. Hayslip	L. Patterson	Flat	1926	494	8	0 .3
228	In Brazoria	J. S. Montgomery	--	do.	1926	150	2	--
230	$\frac{3}{4}$ mile southwest	Ran. Prel	Aug. Potvin	do.	1930	126	2	0
234	$3\frac{3}{4}$ miles southwest	L. J. McNeill	L. J. McNeill	do.	1935	40	2	--
236	$4\frac{1}{4}$ miles southwest	J. O. Fossel	J. O. Fossel	do.	1930	460	2	-- 2.3
d/237	do.	do.	do.	do.	1937	57	$2\frac{3}{4}$	0
238	5 miles west	W. H. Burns	-- Powell	do.	1909	510	2	-- --
239	8 miles west	Clyde McKinney	-- Burford	do.	1930	120	2	--
240	do.	M. L. Smith	--	do.	1935	135	5	--
241	do.	R. D. McDonald	--	do.	1912	500	6	0
242	$8\frac{1}{2}$ miles west	R. R. Ramey	--	do.	1910	160	4	--
243	8 miles west	A. K. Warters	--	do.	1933	175	4	0.6 0.6
d/244	do.	J. R. Smith	--	do.	1890	500	6	0 0
245	do.	do.	F. F. Powell	do.	1917	500	2	--
d/246	11 miles west	Bernard River Land & Dev. Co.	Transcontinental Oil Co.	--	1923	4,783	6	--
249	$8\frac{1}{2}$ miles southwest	G. C. Davis	--	Flat	--	40	48	0

J. F. Heuser, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
220	Flows	Oct. 14, 1936	None	Ind	Flow, May 20, 1937, 7½ gallons a minute through 2-inch pipe, 2.7 feet above ground. Driller reported no known change. Temperature 70° F.
	Flows	May 20, 1937			
221	17	e/	C,W	P	Resident reported water level as of Spring, 1935. Tubing reduced from 3 inches at top to 2 inches at bottom.
222	--	--	-,E,-	P	
223	Flows	Oct. 14, 1936	None	N	Flows 4 gallons a minute, 3 feet above ground. Casing reduced from 6 inches at top to 4 inches at bottom.
224	--	--	A,E,-	D	Owner reported water level, 27 feet above ground in 1930. Supplies Red & White store.
227	4.5	Oct. 22, 1936	C,E, 40	D,S	Casing, top to bottom. Owner reported water from depth, 466-494 feet, and pumping level, 26.7 feet, May 17, 1937.
	11	e/			
228	--	--	-,G,8	D	
230	18	e/	C,W	D	
234	--	--	C,W	D	
236	Flows	Oct. 15, 1936	None	D	Estimated flow, 4 gallons a minute. Owner reported supply from depth, 440-460 feet and water level 3 feet above ground, Oct. 15, 1936. Well stopped flowing from pipe, 2.3 feet above ground, April 16, 1937. Drop in water level probably due to clogged screen.
	--	May 20, 1937			
237	18	e/	--	--	Owner reported water in fine, blue sand, 55-57 feet. Well not completed.
238	Flows	Oct. 15, 1936	None	D,S	Neighbor reported flow of 10 gallons a minute, and water level, 14 feet above ground, Oct. 15, 1936. Owner reported on May 19, 1937, no apparent change in well.
	Flows	May 19, 1937			
239	--	--	-,E,-	D	
240	--	--	C,H	N	Located at Sweeney.
241	0	Oct. 26, 1936	A,-	P	Neighbor reported well flowed when drilled. Located at Sweeney.
242	--	--	A,-	Ind	Supplies Sweeney Cotton Gin.
243	16.8	Oct. 26, 1936	-,E, 10	P	Located at Sweeney.
	16.6	May 19, 1937			
244	3	e/	None	N	Owner reported water level as of Oct., 1936. Reported well flowed when drilled. Casing broken.
	1.7	May 19, 1937			
245	--	--	-,E,-	D	Owner reported well flowed when drilled. Located at Sweeney.
246	--	--	--	--	Oil test. Located in Chas. Broome league, block 48. Well No. 1. See log.
249	12.8	Nov. 19, 1936	C,W	D	Dug well. Tile casing.

Records of wells and springs in Brazoria County--Continued

No.	Distance from Brazoria	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
250	8 miles southwest	G. C. Davis	G. C. Davis	Flat	1935	92	2 $\frac{1}{2}$	--
252	7 miles southwest	W. Martin	L. Patterson	do.	1925	535	2 $\frac{1}{2}$	--
256	5 $\frac{1}{2}$ miles southwest	Chas. Brewer	D. W. Powell	do.	1918	562	2	--
258	4 $\frac{1}{2}$ miles southwest	A. J. Proebstle	L. Patterson	do.	1916	125	2	--
259	5 miles southwest	do.	Shell Pet. Co.	do.	1926	850	2 $\frac{1}{2}$	--
d/260	do.	do.	do.	do.	1927	60	2	--
d/261	do.	do.	do.	do.	1926	60	2	--
264	4 $\frac{1}{4}$ miles southwest	R. R. Kropp	R. M. Fletcher	do.	--	40	2	--
267	2 $\frac{1}{2}$ miles south	-- Hinkle	--	do.	1926	57	3 $\frac{1}{2}$	1.6
269	4 miles south	Jefferson Lake Oil Co.	L. Patterson	do.	1936	746	2	--
270	do.	do.	Layne-Texas Co.	do.	1937	497	13- 5/8	--
d/271	do.	do.	L. Patterson	do.	1937	500	12	--
d/272	do.	do.	do.	do.	1937	495	10	--
273	do.	do.	Layne-Texas Co.	do.	1937	497	13- 5/8	0
277	do.	Clemens State Farm	--	do.	1912	600	5	--
d/278	4 $\frac{1}{2}$ miles south	do.	Roxana Pet. Corp.	--	1926	3,102	9	--
279	6 miles south	P. McNeill	Eberspacher Bros.	Flat	1930	505	2 $\frac{1}{2}$	--
281	8 $\frac{1}{2}$ miles south	L. J. McNeill	L. Patterson	do.	1915	700	2	--

J. F. Heuser, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
250	--	--	C,H	D	
252	Flows	e/	None	D,S	Owner reported well formerly flowed 2-5 gallons a minute. Flow, 9 gallons an hour, May 18, 1937, on which date owner reported water level 1 foot above ground.
256	Flows	Oct. 15, 1936	None	D	Owner reported flow of 10 gallons a minute, Oct. 15, 1936, and no change in flow to May 19, 1937. Water level, 4.3 foot above ground, Oct. 15, 1936, and 4.8 foot above ground, May 19, 1937.
	Flows	May 19, 1937			
258	--	--	C,W	D	
259	Flows	Oct. 22, 1936	None	S	Owner reported water level 38 feet above ground, Oct. 22, 1936, and flow of 75 gallons a minute. No change in flow reported on May 19, 1937. Temperature 72° F.
	Flows	May 20, 1937			
260	--	--	C,H	D	
261	--	--	C,E	D	
264	--	--	C,H	D	
267	18.1	Oct. 22, 1936	C,W	N	
269	Flows	do.	None	D,Ind	Known as Patterson No. 1, Clemens Dome. Estimated flow, 30 gallons a minute, Oct. 22, 1933. Tested at 74 feet; water level, 19 feet below ground. Tested at 483 and 736 feet; in both instances water flowed over casing, 2.4 feet above ground. Well not pumped now. See log. Temperature, 72° F.
	--	May 19, 1937			
270	--	--	T,E,-	Ind	Water level reported 25 feet below surface when pumping 400-500 gallons a minute continuously. Has operated 24 hours a day since May 7, 1937. Welded steel casing. Known as Purdy No. 1.
271	--	--	--	N	Known as Weims No. 2. Welded steel casing. Produced 100 gallons a minute when drilled. See log.
272	Flows	e/	T,E,-	Ind	Known as Weims No. 1. Water level reported 1 foot above ground, Feb., 1937. Reported capacity, 250 gallons a minute. Has operated 24 hours a day since April 15, 1937. Located at sulphur plant site, Clemens Dome.
273	25	e/	T,E,-	Ind	Known as Purdy No. 2. Reported capacity, 400-500 gallons a minute. Has operated 24 hours a day since May 7, 1937.
277	6	e/	C,G,6	D	Well No. 3. Measuring point, top of casing. Water level reported as of Summer, 1935. Resident reported water, 560-600 feet, and that well flowed when drilled.
	12	May 19, 1937			
278	--	--	--	--	Oil test. Well No. 3. Located in John McNeil 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, 1936	None	D	Owner reported water level 18 feet above inch casing. Estimated flow, 15 gallons a minute. Well stopped flowing latter part of April, 1937. Temperature 71° F.
	--	May 19, 1937			
281	Flows	Oct. 27, 1936	None	S	Estimated flow, 2 gallons a minute. Water level, 2 feet above ground.

* See log.

Records of wells and springs in Brazoria County--Continued

No.	Distance from Brazoria	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)	a/
282	8 miles south	E. D. Pearson	Eberspacher Bros.	Flat	1930	485	2	--	
d/283	do.	C. C. Hampil	-- Powell	do.	1920	550	2	--	
284	8 $\frac{1}{2}$ miles south	J. T. Hinkle	do.	do.	1920	568	2 $\frac{1}{2}$	--	
285	9 miles south	do.	--	do.	1917	500	2	--	
286	10 miles south	T. J. Poole	L. Patterson	do.	1918	580	3	--	
287	9 $\frac{1}{2}$ miles south	do.	-- Powell	do.	1915	580	2	--	
d/288	9 miles south	do.	Shell Pet. Corp.	--	1928	5,953	6 $\frac{1}{2}$	--	
289	10 miles south	do.	--	Flat	1931	580	2	0	
d/290	9 $\frac{1}{2}$ miles south	Allen Bernard River (State permit)	Roxana Pet. Corp.	--	1927	5,337	3	--	
291	10 miles south	T. J. Poole	--	Flat	1910	580	3	--	
292	12 miles south	do.	L. Patterson	do.	1917	600	2	--	
293	11 miles south	do.	do.	do.	1918	590	2	--	
294	10 $\frac{1}{2}$ miles south	J. L. Ducroz	Eberspacher Bros.	do.	1930	542	2	--	
295	9 miles south	M. N. Percy	--	do.	1910	500	2	0	
296	11 miles south	Craig Estate	-- Powell	do.	1916	600	2	--	

J. F. Heuser, Project Superintendent

No.	Water Level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Remarks
	Depth below measuring point (feet)	Date of measurement			
282	Flows	Oct. 27, 1936	None	D	Reported water flowed 15 feet above ground, Oct. 27, 1936, at which time well flowed 75 gallons a minute. Well stopped flowing, May 1, 1937. Supply now obtained by siphon.
	--	May 18, 1937			
283	Flows	May 19, 1937	None	S	Neighbor reported water level, 22 feet above ground 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 water level 17 feet above ground when drilled. Flow began to decrease April 19, 1937, and has now diminished to 2 gallons a minute. Water level, May 19, 1937, 2.4
285	Flows	do.	None	S	Estimated flow, 4 gallons a minute. <u>feet above ground.</u> Water level, 2.7 feet above ground. Owner reported flow is decreasing.
286	Flows	May 18, 1937	None	S	Flows 3 gallons a minute, 3 feet above ground. Tenant reported well flowed 60 gallons a minute through 3/8-
287	Flows	do.	None	D,S	Flows 2 gallons a minute, 3 <u>inch choke bar.</u> Mar. 18, 1937. feet above ground. Tenant reported flow, 5 gallons a minute until May 11, 1937.
288	--	--	--	--	Oil test. Well No. A-2. Located in T. & W. Alley Survey, 660 feet from East line and 2,643 feet south of northeast corner of 287 acre tract. 1,505 feet
289	4	<u>e/</u>	C,H,W	D	<u>12 1/2-inch casing, 4,551 feet 8 1/4-inch casing. Sec log. Pumping level, 14.3 feet below ground.</u>
290	--	--	--	--	Oil test. Located in J.G. & G.W. McNeel league, northwest corner, 801 feet east and 2,489 feet south of
291	Flows	May 18, 1937	None	D	Very weak flow at ground <u>northwest corner. See log. level.</u> Owner reported gradual decrease in flow since
292	Flows	do.	None	S	Flows 17 gallons a minute, 2.6 feet above ground. <u>1921.</u> Flow decreased greatly since May 4, 1937.
293	Flows	do.	None	S	Tenant reported well flowed 20 gallons a minute when drilled and gradual decrease subsequent to latter part of April, 1937. Flow, May 18, 1937, 4 1/2 gallons a minute, 3.3 feet above ground.
294	Flows	do.	None	D,S	Flows 5 gallons a minute, 3.7 feet above ground. Owner reported well flowed 15 gallons a minute in Feb., 1937. Temperature 76° F.
295	4	<u>e/</u>	None	D,S	Tenant reported water level 7 feet above ground and flow of 20 gallons a minute prior to April, 1937. Well stopped flowing April 28, 1937. Well now flows 2 gallons a minute from casing cut off 4 feet below
296	Flows	May 18, 1937	None	S	Flows 2 1/2 gallons a minute, 3.3 feet above <u>ground.</u> Reported flow decreased rapidly in preceding <u>two weeks.</u>

Records of wells and springs in Brazoria County--Continued

No.	Distance from Freeport	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
303	10 miles west	Clemens State Farm	--	Flat	1915	850	3	0
306	10½ miles west	Kate Huntington	F. Powell	do.	1909	487	2	--
307	do.	E. N. Krause	L. Patterson	do.	1920	573	2	--
308	do.	T. J. Poole	-- Powell	do.	1917	613	2	-- --
309	do.	Nelson Bell	--	do.	1932	600	5	0
310	10 miles west	S. Allen	-- Powell	River bank	1918	1,000	4	--
312	do.	--	--	Flat	--	700	3	--
<u>d/</u> 313	do.	Kate Huntington	--	do.	1895	55	4	1.7
317	8 miles west	S. S. Perry	Humble Oil & Ref. Co.	do.	1926	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
326	3¼ miles southeast	--	--	do.	1895	650	2	--
327	3¼ miles south	W. J. Bryan	L. Patterson	do.	1930	570	1½	--
<u>d/</u> 328	2½ miles southwest	--	--	--	--	611	--	--
329	8½ miles southwest	J. L. Ducroz	--	Flat	1931	580	2	--
330	9 miles southwest	T. J. Poole	-- Powell	do.	1917	580	2	--

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

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
303	3	e/	A,-	D	Reported well flowed strongly when drilled. Water level reported unchanged, May 19, 1937.
306	--	--	C,W	D	Owner reported well formerly flowed strong supply.
307	Flows	Oct. 27, 1936	None	D	Estimated flow, 1 gallon a minute. Water level reported 2 feet above ground. Reported formerly flowed twice
308	Flows	do.	None	D,S,	Owner reported water flowed 15 feet above ground in May, 1936. Reported flow diminished from 60 gallons a minute to 10 gallons a minute, as of May 18, 1937, with first decrease noted on May 4, 1937. Flow now very weak
	Flows	May 18, 1937			
309	4	c/	C,H	D	
310	Flows	May 18, 1937	None	S	Flows 13 gallons a minute, 3 feet above ground. Temperature 85° F.
312	Flows	Nov. 19, 1936	C,W	D,S	Estimated flow, 3 gallons a minute. Water level, 5 feet above ground.
313	9.9	Oct. 30, 1936	C,H	D	Cast iron casing. Well sanded up above drop pipe.
317	Flows	do.	None	D	Estimated flow, 30 gallons a minute. Neighbor reported water level 5 feet above ground. Located at Peach
323	38	e/	A,E, 40	P	Freeport Light, Water & Ice Co. Reported 5 feet drawdown while pumping 80 gallons a minute. Water reported, 230-251 feet. See log. Well No. 3.
324	38	e/	A,E, 40	P	Freeport Light, Water & Ice Co. 231 feet of casing and 18 feet of 8-inch screen. See log. Well No. 4. Other data same as Well No. 3 above.
325	38	e/	A,E, 40	P	Well No. 5. Water level in F.L.W. & I.Co. Wells No. 3, 4, and 5 reported as of Apr., 1934. Reported same ca-
326	Flows	Oct. 30, 1936	None	Ind	Estimated flow, 10 gallons a minute. Water level reported 9 feet above ground. Lo-
327	Flows	do.	C,W	D	Estimated flow, 4 gallons a minute. Water level reported 15 feet above ground level. Well
328	--	--	--	--	Known as Reed well. Located at Bryan Heights. See log. sands up yearly.
329	Flows	May 18, 1937	None	D,S	Flows 3½ gallons a minute, 2.6 feet above ground. Located 100 feet north of intercoastal canal and 100 feet west of San Bernard River.
330	Flows	do.	None	S	Flows 2½ gallons a minute, 3 feet above ground. Tenant 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.

Table of Drillers' Logs, Brazoria County, Texas

Driller's log of well 2
L. & M. Production Co., Mrs. Belle Wisdom,
et al. No. 3. 15 miles northwest of East
Columbia.

	Thickness (feet)	Depth (feet)
Surface soil	6	6
Clay	34	40
Sand	20	60
Clay	5	65
Stiff clay	50	115
Sandy clay	30	145
Gumbo	80	225
Sand and boulders	30	255
Gumbo	35	290
Sand and boulders	20	310
Gumbo	30	340
Sand and boulders	20	360
Gumbo	35	395
Sand and boulders	20	415
Gumbo	50	465
Sand, shale, and boulders	40	505
Gumbo	15	520
Blue gumbo	63	583
Tough, blue gumbo	42	625
Gumbo and lime	72	697
Broken rock	2	699
Water sand	72	771
Gumbo	8	779
Water sand	5	784
Fine sand	30	814
Hard sand	4	818
Fine sand	17	835
Sand rock	3	838
Gumbo	25	863
Hard, sandy lime rock	2	865
Broken, sandy lime rock	19	884
Gumbo	1	885
Blue gumbo	50	935
Gumbo	5	940
Water sand	12	952
Sandy lime rock	11	963
Gumbo	15	978
Gray lime rock	2	980
Sand	2	982
Water sand	16	998
Gumbo	22	1020
Water sand	4	1024
Hard sand	6	1030
Gumbo	24	1054
Water sand	3	1057
Sandy lime and shale	29	1086
Gummy lime	30	1116
Hard sand	8	1124
Fine sand	31	1155
Gumbo	3	1158
Hard sand	2	1160
Gumbo and lime	58	1218
Sand	4	1222
Gumbo, lime, and boulders	43	1265

Driller's log of well 2--Continued

	Thickness (feet)	Depth (feet)
Sandy lime rock	1	1266
Dark shale	6	1272
Hard lime rock	4	1276
Lime rock	5	1281
Hard shale	3	1284
Sticky shale and lime	7	1291
Sand and shale	42	1333
Sandy shale	4	1337
Shale and lime	3	1340
Sand and shale	3	1343
Sticky gumbo and lime nodules	7	1350
Sticky, blue gumbo and lime	15	1365
Gumbo, sand, and lime	10	1375
Tough, blue gumbo	12	1387
Tough, blue gumbo and lime streaks	18	1405
Gumbo, sand, and lime	22	1427
Tough, blue gumbo and lime nodules	48	1475
Shale and lime	2	1477
Crystallized lime and sand	8	1485
Crystallized lime rock	69	1554
Sticky, blue gumbo and lime streaks	16	1570
Flaky shale, pyrite, and lime	25	1595
TOTAL DEPTH		2745

Driller's log of well 85
Equitable Mining Co., Kiser Heights. $1\frac{3}{4}$
miles west of East Columbia.

White clay	2	2
Red clay	8	10
Gray sand	15	25
White clay	1	26
Quicksand	24	50
Yellow clay	10	60
Quicksand	1	61
Gray sand	23	84
Lignite	6	90
White clay	15	105
Soapstone	15	120
Blue shale	14	134
Blue clay	18	152
Rock	4	156
Blue sand, clay, and streaks of rock	112	268
Rock	1	269
Sand	1	270
Blue clay	18	288
Hard rock	7	295
Blue clay	19	314
Quicksand	6	320
Blue shale	38	358
Rock	1	359
Sand	1	360

(Continued on next page)

Table of Drillers' Logs, Brazoria County--Continued

Driller's log of well 85--Continued

	Thickness (feet)	Depth (feet)
Blue sand - - - - -	20	380
Sand - - - - -	120	500
Water-bearing rock - - - - -		500

Driller's log of well 246

Transcontinental Oil Co., Bernard River
Land & Development Co. No. 1. 11 miles
west of Brazoria.

Sand - - - - -	133	153
Clay - - - - -	46	179
Water sand - - - - -	132	311
Gumbo - - - - -	8	319
Sand - - - - -	15	334
Gumbo - - - - -	35	369
Gravel - - - - -	15	384
Red clay - - - - -	148	532
Packed sand - - - - -	33	565
Gumbo - - - - -	169	734
Sand - - - - -	20	754
Gumbo - - - - -	40	794
Packed sand - - - - -	80	874
Gumbo - - - - -	96	970
Packed sand - - - - -	60	1030
Soft gumbo - - - - -	40	1070
Sand and gravel - - - - -	220	1290
Chalk - - - - -	60	1350
Gumbo - - - - -	30	1380
Broken lime - - - - -	40	1420
Gumbo - - - - -	75	1495
Broken lime - - - - -	25	1520
Gumbo - - - - -	15	1535
Broken lime - - - - -	10	1545
Sandy lime - - - - -	10	1555
Gumbo - - - - -	38	1593
Sand and boulders - - - - -	20	1613
Chalky lime - - - - -	40	1653
Gumbo - - - - -	52	1705
Sand and boulders - - - - -	20	1725
Broken lime - - - - -	25	1750
Rock - - - - -	1	1751
Gumbo - - - - -	70	1821
Sand and boulders - - - - -	20	1841
Gumbo - - - - -	9	1850
Sand and boulders - - - - -	11	1861
Packed sand and rock - - - - -	24	1885
Sand rock - - - - -	5	1890
Gumbo and gypsum - - - - -	31	1921
Gumbo - - - - -	125	2046
Lime - - - - -	24	2070
Water sand - - - - -	44	2114
Gumbo - - - - -	34	2148
Water sand - - - - -	30	2178
Gumbo - - - - -	50	2228
Shale - - - - -	24	2252
Soft gumbo - - - - -	50	2302
Gumbo - - - - -	166	2468

Driller's log of well 246--Continued

	Thickness (feet)	Depth (feet)
Sandy shale - - - - -	35	2503
Sandy shale and boulders - - - - -	35	2538
Pink gumbo - - - - -	147	2685
Sandy shale - - - - -	7	2692
Pink gumbo - - - - -	92	2784
Gumbo and boulders - - - - -	26	2810
Sand and boulders - - - - -	10	2820
Gumbo - - - - -	22	2842
Sandy shale and boulders - - - - -	38	2880
Gumbo and boulders - - - - -	15	2895
Sand and boulders - - - - -	15	2910
Gumbo - - - - -	15	2925
Sand and boulders - - - - -	28	2953
Gumbo - - - - -	7	2960
Gumbo and boulders - - - - -	48	3008
TOTAL DEPTH - - - - -		4783
CASING RECORD: 20 feet of 15-inch, 175 feet of 12-inch, 2,135 feet of 8 $\frac{1}{4}$ -inch, and 3,985 feet of 6-inch casing.		

Driller's log of well 269

L. Patterson, Jefferson Lake Oil Co. Test
Well No. 1. Clemens Dome. 4 miles south
of Brazoria.

Surface clay - - - - -	53	53
Coarse sand - - - - -	31	84
Shale - - - - -	365	449
Coarse, white sand - - - - -	47	496
Shale - - - - -	194	690
Coarse, white sand - - - - -	54	744
Shale - - - - -	2	746
TOTAL DEPTH - - - - -		746

Driller's log of well 271

L. Patterson, Jefferson Lake Oil Co.,
Weins No. 2. 4 miles south of Brazoria.

Clay - - - - -	56	56
Sand - - - - -	34	90
Shale - - - - -	366	456
Sand - - - - -	12	468
Shale - - - - -	3	471
Sand - - - - -	1	472
Shale - - - - -	1	473
Sand - - - - -	18	491
Shale - - - - -	9	500

Driller's log of well 278

Roxana Petroleum Corp., Clemens State
Farm, No. 3. 4 $\frac{1}{2}$ miles south of Brazoria.

Black, surface soil - - - - -	4	4
Red, surface soil - - - - -	3	7
Red water sand - - - - -	35	42
Red clay - - - - -	100	142
Sand and gravel - - - - -	15	157
Red gumbo - - - - -	35	192

(Continued on next page)

Table of Drillers' Logs, Brazoria County--Continued

Driller's log of well 278--Continued	
	Thickness Depth (feet) (feet)
Red water sand - - - - -	22 214
Gumbo - - - - -	170 384
Blue gumbo - - - - -	61 445
Water sand and gravel - - -	15 460
Red gumbo - - - - -	153 613
Blue shale and fossils - - -	12 625
Blue gumbo - - - - -	107 732
Sand and fossils - - - - -	10 742
Red gumbo and lime - - - - -	56 798
Red gumbo - - - - -	35 833
Water sand - - - - -	5 842
Red gumbo - - - - -	4 886
Gravel, sandy shale, and fossils - - - - -	44 932
Pink gumbo - - - - -	46 956
Shale, fossils, and gravel -	24 962
Blue gumbo - - - - -	6 990
Shale, fossils, and gravel -	28 1013
Blue gumbo - - - - -	28 1055
Water sand and gravel - - -	37 1059
Blue gumbo - - - - -	4 1193
Sand, gravel, and boulders -	134 1227
Blue gumbo - - - - -	34 1269
Water sand and gravel - - -	42 1279
Blue gumbo - - - - -	10 1280
Rock - - - - -	1 1307
Boulders, shale, and sandy gravel - - - - -	27 1333
Blue gumbo - - - - -	26 1348
Shale and boulders - - - - -	15 1369
Blue gumbo - - - - -	21 1402
Sandy gravel, boulders, and shale - - - - -	33 1469
Blue gumbo and lime - - - -	67 1487
Red and blue shale and boulders - - - - -	18 1499
Blue gumbo - - - - -	12 1524
Water sand and gravel - - -	25 1549
Reddish-blue shale and boulders - - - - -	25 1567
Water sand and boulders - -	18 1583
Blue gumbo - - - - -	16 1618
Water sand and boulders - -	35 1683
Blue gumbo - - - - -	65 1730
Blue gumbo and lime - - - -	47 1733
Water sand - - - - -	3 1753
Sand and boulders - - - - -	20 1810
Blue gumbo - - - - -	57 1833
Blue gumbo and boulders - -	23 1835
Water sand - - - - -	2 1838
Sandy gravel and fossils - -	3 1844
Blue gumbo - - - - -	6 1846
Sandy lime - - - - -	2 1891
Shaly lime and blue and red boulders - - - - -	45 1901
Gumbo and blue lime - - - -	10

Driller's log of well 278--Continued	
	Thickness Depth (feet) (feet)
Sand and boulders - - - - -	12 1913
Blue gumbo - - - - -	11 1924
Pink and blue gumbo - - - -	64 1988
Sandy lime and boulders - -	6 1994
Shale and boulders - - - - -	4 1998
Hard sand rock - - - - -	18 2016
Hard sand rock and pyrite -	12 2028
Hard rock and streaks of soft rock - - - - -	13 2041
Hard rock - - - - -	1 2042
Blue gumbo and boulders - -	10 2052
Blue water sand - - - - -	2 2054
Blue gumbo and boulders - -	7 2061
Blue gumbo, lime, and boul- ders - - - - -	40 2101
Blue water sand - - - - -	4 2105
Blue water sand, boulders, and streaks of shale - - -	39 2144
Hard blue water sand, shale, and boulders - - - - -	11 2155
Hard, sandy lime and pyrite-	4 2159
Hard, sandy lime, calcite, and pyrite - - - - -	6 2165
Hard, sandy lime and pyrite-	10 2175
Blue gumbo and lime - - - -	10 2185
Hard, sandy lime and pyrite-	3 2188
Blue shale - - - - -	11 2199
Sand and shale - - - - -	2 2201
Hard lime and blue shale - -	3 2204
Blue gumbo and lime - - - -	33 2257
Blue water sand and shale -	6 2243
Rock - - - - -	6 2249
Hard lime rock - - - - -	1 2250
Blue shale and boulders - -	21 2271
Blue gumbo and boulders - -	15 2286
Hard, sandy lime rock - - -	10 2296
Hard sand rock - - - - -	6 2302
Blue gumbo and lime - - - -	3 2305
Hard sand rock - - - - -	16 2321
Hard sand and pyrite - - - -	58 2359
Hard, sandy lime and pyrite-	28 2387
Hard, sandy shale and lime -	17 2404
Blue shale - - - - -	2 2406
Hard, blue shale - - - - -	12 2413
Gummy, blue shale - - - - -	60 2478
Gummy, blue shale and lime -	10 2438
Gummy, blue shale - - - - -	13 2501
TOTAL DEPTH - - - - -	3102

Driller's log of well 238	
Shell Petroleum Corp., T. J. Poole No. A-2 9 miles south of Brazoria.	
Surface soil - - - - -	12 12
Surface sand - - - - -	6 18
Clay - - - - -	45 23
Water sand - - - - -	175 238

(Continued on next page)

Table of Drillers' Logs, Brazoria County--Continued

Driller's log of well 288--Continued	
	Thickness Depth
	(feet) (feet)
Gumbo - - - - -	75 313
Sand - - - - -	43 356
Sandy shale - - - - -	60 416
Shale - - - - -	61 477
Sticky shale - - - - -	19 490
Shale and boulders - - - - -	11 507
Sticky shale - - - - -	70 577
Shale and boulders - - - - -	16 593
Sticky shale - - - - -	31 624
Sand, fossils, and boulders - - - - -	62 686
Sticky, blue shale - - - - -	14 700
Sandy shale and boulders - - - - -	22 722
Gumbo - - - - -	23 745
Shale and fossils - - - - -	47 792
Sand and gravel - - - - -	50 842
Shale and fossils - - - - -	34 876
Sticky shale - - - - -	66 942
Shale and boulders - - - - -	78 1020
Blue gumbo - - - - -	19 1039
Sand - - - - -	2 1041
Sandy shale and fossils - - - - -	20 1061
Blue gumbo - - - - -	23 1084
Shale and boulders - - - - -	6 1090
Blue gumbo - - - - -	99 1189
Sandy gumbo - - - - -	24 1213
Water sand - - - - -	2 1215
Sand and boulders - - - - -	17 1232
Sandy shale and boulders - - - - -	145 1377
Shale and fossils - - - - -	32 1409
Sandy shale and fossils - - - - -	5 1414
Sandy shale and boulders - - - - -	6 1420
Shale and boulders - - - - -	70 1490
Blue gumbo - - - - -	30 1520
Gummy shale and fossils - - - - -	31 1551
Sand - - - - -	1 1552
Sandy lime - - - - -	1 1553
Sand and shale - - - - -	24 1577
Shale and boulders - - - - -	9 1586
Blue gumbo - - - - -	44 1630
Lime and calcite - - - - -	6 1636
Sand and shale - - - - -	6 1642
Sandy shale - - - - -	18 1660
Lime rock - - - - -	7 1667
Lime and calcite - - - - -	12 1679
Hard shale and lime rock - - - - -	11 1690
Hard, sandy shale - - - - -	14 1704
Sandy shale and lime - - - - -	26 1730
Shale and lime - - - - -	43 1773
Gumbo and lime - - - - -	27 1800
Gumbo and pink lime - - - - -	30 1830
Gumbo and lime - - - - -	30 1860
Shale and lime - - - - -	35 1893
Water sand - - - - -	11 1904
Sandy shale - - - - -	30 1934
Salt water sand - - - - -	21 1955
Sticky gumbo - - - - -	67 2022
TOTAL DEPTH - - - - -	5958

Driller's log of well 290	
Roxana Petroleum Corp., Allen Bernard	
River No. 1. 9 $\frac{1}{2}$ miles south of Brazoria.	
	Thickness Depth
	(feet) (feet)
River bed sand - - - - -	10 10
Gummy shale and shells - - - - -	92 102
Gummy, red shale - - - - -	111 213
Gummy shale - - - - -	302 515
Water sand - - - - -	35 550
Shale and shells - - - - -	100 650
Gumbo - - - - -	86 736
Shale - - - - -	38 774
Shale and lime - - - - -	20 794
Shale and shells - - - - -	56 850
Gumbo - - - - -	65 915
Shells - - - - -	5 920
Fresh water sand - - - - -	2 922
Sand and lime - - - - -	28 950
Gummy shale and shells - - - - -	50 1000
Gumbo - - - - -	50 1050
Sandy shale - - - - -	2 1052
Blue, sandy shale and shells - - - - -	2 1054
Shale and shells - - - - -	12 1066
Gumbo - - - - -	34 1100
Shale and shells - - - - -	9 1109
Blue water sand - - - - -	26 1135
Blue gumbo - - - - -	10 1145
Brown and blue sandy shale - - - - -	70 1215
Rock - - - - -	1 1216
Dark blue shale and lime - - - - -	4 1220
Blue gumbo - - - - -	16 1236
Hard sand and shells - - - - -	42 1278
Blue shale and lime streaks - - - - -	44 1322
Blue shale, lime streaks, and shells - - - - -	26 1348
Gummy, blue shale - - - - -	24 1372
Lime rock - - - - -	8 1380
Lime and shells - - - - -	11 1391
Blue gumbo - - - - -	34 1425
Gummy, blue shale and shells - - - - -	70 1495
Blue water sand - - - - -	14 1509
Blue shale and shells - - - - -	56 1565
Blue gumbo - - - - -	45 1610
Water sand - - - - -	10 1620
Blue gumbo - - - - -	59 1670
Tough, brown and blue gumbo - - - - -	179 1858
Blue water sand - - - - -	5 1863
Blue gumbo - - - - -	21 1884
Blue and brown gumbo - - - - -	46 1930
Blue gumbo - - - - -	159 2080
Blue gumbo and lime - - - - -	42 2131
Blue gumbo - - - - -	25 2156
Blue gumbo and lime - - - - -	44 2200
Water sand - - - - -	5 2205
Hard, blue water sand - - - - -	11 2216

(Continued on next page)

Table of Drillers' Logs, Brazoria County--Continued

Driller's log of well 290--Continued

	Thickness (feet)	Depth (feet)
Blue water sand - - - - -	19	2235
Blue gumbo - - - - -	34	2269
Blue water sand and lime streaks - - - - -	11	2280
Blue gumbo - - - - -	15	2295
Sand and lime - - - - -	2	2297
Blue sand and shale - - - - -	15	2312
Blue gumbo - - - - -	56	2368
Blue shale, calcite, and lime - - - - -	11	2379
Blue gumbo - - - - -	53	2432
Hard, sandy lime rock - - - - -	11	2443
Water sand - - - - -	3	2446
Blue gumbo - - - - -	13	2459
Blue gumbo and lime - - - - -	105	2564
Blue and brown gumbo - - - - -	92	2656
Blue gumbo - - - - -	28	2684
Lime and sand - - - - -	6	2690
Blue gumbo - - - - -	80	2770
Blue gumbo and lime - - - - -	39	2809
Blue water sand - - - - -	11	2820
Blue gumbo - - - - -	20	2840
Lime rock - - - - -	8	2848
Hard sand and blue shale - - - - -	2	2850
Hard water sand - - - - -	5	2855
Hard, blue sand - - - - -	3	2858
Hard, blue sand rock - - - - -	22	2880
Sand and blue shale - - - - -	20	2900
Lime rock - - - - -	2	2902
Hard sand and pyrite - - - - -	3	2905
TOTAL DEPTH - - - - -		5337

CASING RECORD: 213 feet of 12 $\frac{1}{2}$ -inch,
3,365 feet of 9-5/8-inch, 4,172 feet of
6-5/8-inch, and 5,017 feet of 4 $\frac{3}{4}$ -inch cas-
ing. 5,139 feet of 3-inch tubing. Screen
set, 4,034-4,171 feet.

Driller's log of well 323
Freeport Sulphur Co., South Texas Utili-
ties Co. (Freeport Light, Water & Ice Co.
No. 3.) In Freeport.

Red and blue clay - - - - -	20	20
Sand - - - - -	8	28
Red and blue clay - - - - -	74	102
Shale and shell - - - - -	23	125
Blue clay - - - - -	25	150
Sand, shale, and shell - - - - -	22	172
Blue clay - - - - -	53	225
Coarse sand - - - - -	25	250
Blue clay - - - - -	1	251

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

Driller's log of well 324--Continued

	Thickness (feet)	Depth (feet)
Red and yellow clay - - - - -	15	15
Fine sand - - - - -	10	25
Coarse sand - - - - -	10	35
Yellow and blue clay - - - - -	65	100
Shale and shell - - - - -	25	125
Blue clay - - - - -	25	150
Sand, shale, and shell - - - - -	22	172
Blue clay - - - - -	53	225
Coarse sand - - - - -	25	250

Driller's log of well 328
Reed well, Bryan Heights. 2 $\frac{1}{2}$ miles south-
west of Freeport.

Black asphaltic soil - - - - -	30	30
Yellow clay - - - - -	12	42
Quicksand - - - - -	20	62
Yellow clay - - - - -	25	87
Black clay - - - - -	5	92
Black clay and red ferrugi- nous spots - - - - -	70	162
Black clay and minute white shells - - - - -	27	189
Quicksand - - - - -	21	210
Blue quicksand - - - - -	16	226
Black clay, and altered lime and iron - - - - -	18	244
Black clay and shale - - - - -	3	247
Black shale and sand - - - - -	28	275
Black shale - - - - -	55	330
Black shale and gravel - - - - -	15	345
Soft, black clay and thin layer of hard rock - - - - -	60	405
Soft, blue and yellow clay - - - - -	62	467
Yellow clay, sand, and shale - - - - -	82	549
Sand, pebbles, and shale - - - - -	8	557
Yellow clay, sand and shale - - - - -	30	587
Hard rock - - - - -	2	589
Sand and large pebbles - - - - -	2	591
Gravel and flint - - - - -	4	595
Black clay and shale - - - - -	2	597
Hard rock - - - - -	1	598

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

	Thickness (feet)	Depth (feet)
<u>Well 1</u>		
Flat, south side State Highway No. 36, 13 $\frac{1}{2}$ miles northwest of East Columbia.		
Black clay - - - - -	2	2
Tan clay - - - - -	2	4
Clay and gravel - - - -	6	10
Yellow clay - - - - -	2	12
Sandy clay - - - - -	1	13
Sand - - - - -	1	14
Struck water at 14 feet. Water level, 12.5 feet below top of ground 72 hours after hole completed. No water sample collected. Oct. 9, 1936.		
<u>Well 3</u>		
Flat, south side State Highway No. 56, 12 $\frac{1}{2}$ miles northwest of East Columbia.		
Clay - - - - -	2	2
Sandy clay - - - - -	1	3
Sandy clay and gravel - -	1	4
Sandy clay - - - - -	6	10
Sand - - - - -	5	15
Struck water at 15 feet. Water level, 13.7 feet below top of ground 71 hours after hole completed. No water sample collected. Oct. 9, 1936.		
<u>Well 4</u>		
Flat, 2 miles east of Damons Mound, south side State Highway No. 36, 12 miles northwest of East Columbia.		
Clay - - - - -	3	3
Sandy clay - - - - -	3	6
Sand - - - - -	3	9
Sandy clay - - - - -	1	10
Sand - - - - -	11	21
Struck water at 18 feet. Water level, 18.1 feet below top of ground 70 hours after hole completed. No water sample collected. Oct. 9, 1936.		
<u>Well 5</u>		
Flat, west side State Highway No. 36, 11 miles northwest of East Columbia.		
Clay - - - - -	2	2
Sandy clay - - - - -	5	7
Silty sand - - - - -	1	8
Yellow sand - - - - -	1	9
White sand - - - - -	1	10
Yellow sand - - - - -	1	11
Brown sand - - - - -	7	18
Struck water at 18 feet. Water level, 16.7 feet below top of ground 68 hours after hole completed. No water sample collected. Oct. 9, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 9</u>		
Flat, west side State Highway No. 36, 10 miles northwest of East Columbia.		
Clay - - - - -	2	2
Red clay - - - - -	3	5
Clay and gravel - - - -	1	6
Sand - - - - -	2	8
Sandy clay - - - - -	2	10
Red clay - - - - -	18	28
Struck water at 25 feet. Water level, 18.4 feet below top of ground. 63 hours after hole completed. Water sample collected. Oct. 12, 1936.		
<u>Well 11</u>		
Flat, $\frac{1}{2}$ mile north of county road, 10 $\frac{1}{2}$ miles northwest of East Columbia.		
Black clay - - - - -	3	3
Yellow clay - - - - -	4	7
Sandy clay - - - - -	2	9
Clay - - - - -	4	13
Sandy clay - - - - -	2	15
Sand - - - - -	2	17
Struck water at 16 feet. Water level, 9.5 feet below top of ground 24 hours after hole completed. Water sample collected. Nov. 5, 1936.		
<u>Well 16</u>		
Flat, $\frac{1}{2}$ mile north of county road and 2 miles east of State Highway No. 36, 10 miles north of East Columbia.		
Clay - - - - -	9	9
Sandy clay - - - - -	7	16
Sand - - - - -	1	17
Struck water at 16 feet. Water level, 8.4 feet below top of ground 22 hours after hole completed. Water sample collected. Nov. 5, 1936.		
<u>Well 19</u>		
Flat, $\frac{1}{2}$ mile north of county road and 3 miles east of State Highway No. 36, 10 miles north of East Columbia.		
Clay - - - - -	5	5
Sandy clay - - - - -	6	11
Sand - - - - -	1	12
Struck water at 12 feet. Water level, 8.7 feet below top of ground 24 hours after hole completed. Water sample collected. Nov. 5, 1936.		
<u>Well 26</u>		
Flat, east side county road at Marshs, 10 miles north of East Columbia.		

(Continued on next page)

Logs of test wells in ~~Madison~~ County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 26--Continued</u>		
Clay - - - - -	3	3
Sandy clay - - - - -	4	7
Sand - - - - -	16	23
Quicksand - - - - -	2	25
Struck quicksand at 25 feet. Water level, 24.8 feet below top of ground 6 hours after hole completed. No water sample collected. Nov. 9, 1936.		

<u>Well 30</u>		
Flat, east side county road, 9 $\frac{1}{2}$ miles north of East Columbia.		
Clay - - - - -	3	3
Sandy clay - - - - -	1	4
Red clay - - - - -	4	8
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. Nov. 9, 1936.		

<u>Well 33</u>		
Flat, east side county road, 8 miles north of East Columbia.		
Clay - - - - -	3	3
Sandy clay - - - - -	1	4
Clay - - - - -	2	6
Sandy clay - - - - -	4	10
Sand - - - - -	3	13
Sandy clay - - - - -	5	16
Sand - - - - -	4	20
Clay - - - - -	2	22
Sandy clay - - - - -	4	26
Sand - - - - -	2	28
Struck water at 26 feet. No water sample collected. Nov. 9, 1936.		

<u>Well 34</u>		
Flat, east side county road, 7 $\frac{1}{2}$ miles north of East Columbia.		
Sandy clay - - - - -	4	4
Yellow clay - - - - -	3	7
Sandy clay - - - - -	1	8
Red clay - - - - -	9	17
Sandy clay - - - - -	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.		

<u>Well 35</u>		
Flat, east side county road, 6 $\frac{1}{2}$ miles north of East Columbia.		

	Thickness (feet)	Depth (feet)
<u>Well 35--Continued</u>		
Black clay - - - - -	5	3
Yellow clay - - - - -	1	7
Sandy clay - - - - -	2	9
Red clay - - - - -	7	16
Sand - - - - -	1	17
Caving at 17 feet. Water level, 13.0 feet below top of ground 44 hours after hole completed. No water sample collected. Nov. 9, 1936.		

<u>Well 36</u>		
Flat, east side county road, between Eagle Nest Lake and Manor Lake, 6 miles north of East Columbia.		
Sandy clay - - - - -	4	4
Sand - - - - -	1	5
Struck water at 5 feet. Water level, 5.1 feet below top of ground 42 hours after hole completed. Water sample collected. Nov. 9, 1936.		

<u>Well 37</u>		
Flat, 4 $\frac{1}{2}$ miles east of State Highway No. 36, north side Eagle Nest road, 7 miles north of East Columbia.		
Black clay - - - - -	2	2
Red clay - - - - -	14	16
Red, joint clay - - - - -	2	18
Sandy clay - - - - -	4	22
Red clay - - - - -	6	28
Joint clay - - - - -	2	30
Red clay - - - - -	5	35
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.		

<u>Well 38</u>		
Flat, 3 miles east of State Highway No. 36, north side Eagle Nest road, 7 miles north of East Columbia.		
Black clay - - - - -	3	3
Red clay - - - - -	14	17
Sandy clay - - - - -	2	19
Sand - - - - -	2	21
Sandy clay - - - - -	4	25
Red clay - - - - -	3	33
Struck water at 17 feet and at 21-25 feet. Water level, 15.0 feet below top of ground 5 hours after hole completed. Water sample collected. Nov. 10, 1936.		

<u>Well 39</u>		
Flat, 2 $\frac{1}{2}$ miles east of State Highway No. 36, north side Eagle Nest road, 7 $\frac{1}{2}$ miles north of East Columbia.		

(Continued on next page)

Logs of test wells in Brazoria County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 39--Continued</u>		
Sandy clay	2	2
Clay	4	6
Clay and gravel	1	7
Clay	6	13
Sand	2	15
Quicksand	1	16

Caving at 16 feet. Water level, 15.9 feet below top of ground 5 hours after hole completed. No water sample collected. Nov. 16, 1936.

Well 40
Flat, 1 $\frac{1}{4}$ miles east of State Highway No. 36, north side Eagle Nest road, 7 $\frac{1}{2}$ miles northwest of East Columbia.

Sandy clay	2	2
Clay	4	6
Sandy clay	2	3
Sand	4	12
Quicksand	3	15

Struck water at 14 feet. Water level, 13.7 feet below top of ground 78 hours after hole completed. Water sample collected. Nov. 16, 1936.

Well 41
Flat, $\frac{5}{4}$ mile east of State Highway No. 36, north side Eagle Nest road, 8 miles northwest of East Columbia.

Sandy clay	3	3
Clay	4	7
Sandy clay	8	15
Sand	1	16

Struck water at 16 feet. Water level, 13.7 feet below top of ground 77 hours after hole completed. Water sample collected. Nov. 16, 1936.

Well 42
Flat, $\frac{1}{4}$ mile east of State Highway No. 36, north side Eagle Nest road, 8 miles northwest of East Columbia.

Black clay	2	8
Red clay	6	14
Sandy clay	1	15
Sand	1	16

Water level, 12.9 feet below top of ground 76 hours after hole completed. Water sample collected. Nov. 16, 1936.

Well 43
Flat, west side State Highway No. 36, 9 miles northwest of East Columbia.

Clay	3	3
Clay and gravel	3	6

	Thickness (feet)	Depth (feet)
<u>Well 43--Continued</u>		
Clay	1	7
Sand	6	13

Struck water at 12 feet. Water level, 11.6 feet below top of ground 60 hours after hole completed. Water sample collected. Oct. 12, 1936.

Well 44
Flat, west side State Highway No. 36 at junction with Eagle Nest road, 8 miles northwest of East Columbia.

Clay	5	5
Brown clay	3	3
Sandy clay	4	10
Sand	5	15

Struck water at 14 feet. Water level, 15.8 feet below top of ground 24 hours after hole completed. Water sample collected. Oct. 12, 1936.

Well 46
Flat, west side State Highway No. 36, 7 miles northwest of East Columbia.

Black clay	3	3
Brown clay	3	6
Sandy clay	5	11
Sand	2	13

Struck water at 12 feet. Water level, 10.5 feet below top of ground 22 hours after hole completed. Water sample collected. Oct. 12, 1936.

Well 50
Flat, west side State Highway No. 36, 6 miles northwest of East Columbia.

Clay	3	3
Sandy clay	1	4
Clay	3	7
Sandy clay	3	10
Clay	4	14
Sandy clay	6	20
Sand	1	21

Struck water at 20 feet. Water level, 17.8 feet below top of ground 22 hours after hole completed. Water sample collected. Oct. 12, 1936.

Well 52
Flat, west side State Highway No. 36, 5 $\frac{1}{2}$ miles northwest of East Columbia.

Clay	2	2
Sandy clay	1	3
Clay	4	7
Sandy clay	2	9
Clay	4	13

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Logs of test wells in Brazoria County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 52--Continued</u>		
Sand - - - - -	5	18
Struck water at 17 feet. Water level, 15.4 feet below top of ground 21 hours after hole completed. Water sample collected. Oct. 12, 1936.		

<u>Well 53</u>		
Flat, west side State Highway No. 36, 4 $\frac{1}{2}$ miles northwest of East Columbia.		
Clay - - - - -	3	3
Sandy clay - - - - -	4	7
Clay - - - - -	6	13
Sand - - - - -	2	15
Clay - - - - -	6	21
Sand - - - - -	4	25
Struck water at 22 feet. Water level, 17.8 feet below top of ground 21 hours after hole completed. Water sample collected. Oct. 12, 1936.		

<u>Well 54</u>		
West side State Highway No. 36, 3 $\frac{5}{4}$ miles northwest of East Columbia.		
Clay - - - - -	3	3
Sandy clay - - - - -	2	5
Sand - - - - -	4	9
Sandy clay - - - - -	1	10
Sand - - - - -	1	11
Sandy clay - - - - -	2	13
Clay - - - - -	3	16
Sandy clay - - - - -	4	20
Clay - - - - -	2	22
Sandy clay - - - - -	1	23
Sand - - - - -	1	24

Struck water at 23 feet. Water level, 20.1 feet below top of ground 28 hours after hole completed. Water sample collected. Oct. 13, 1936.

<u>Well 58</u>		
East side county road, 2 $\frac{1}{2}$ miles north of East Columbia.		
Sandy clay - - - - -	6	6
Clay - - - - -	4	10
Sandy clay - - - - -	4	14
Sand - - - - -	4	18

Struck water at 17 feet. Water level, 3 feet below top of ground 8 hours after hole completed. Water sample collected. Nov. 6, 1936.

<u>Well 59</u>		
South side county road, 3 $\frac{1}{4}$ miles north of East Columbia.		
Black clay - - - - -	3	3

	Thickness (feet)	Depth (feet)
<u>Well 59--Continued</u>		
Sandy clay - - - - -	3	6
Red clay - - - - -	14	20
Sandy clay - - - - -	4	24
Sand - - - - -	3	27

Water level, 5.1 feet below top of ground 40 hours after hole completed. Water sample collected. Nov. 6, 1936.

<u>Well 60</u>		
Flat, east side county road, 4 $\frac{1}{2}$ miles north of East Columbia.		
Black clay - - - - -	3	3
Red clay - - - - -	4	7
Sand - - - - -	1	8
Clay - - - - -	10	18
Sandy clay - - - - -	3	21
Sand - - - - -	2	23

Struck water at 22 feet. Water level, 14.0 feet below top of ground 4 hours after hole completed; 10.2 feet below top of ground 46 hours after hole completed. Water sample collected. Nov. 6, 1936.

<u>Well 62</u>		
North side county road, 1 $\frac{5}{2}$ miles north of East Columbia.		
Clay - - - - -	3	3
Sandy clay - - - - -	4	7
Sand - - - - -	2	9

Water level, 7.4 feet below top of ground 6 hours after hole completed. Water sample collected. Nov. 6, 1936.

<u>Well 65</u>		
East side county road, 1 mile northeast of East Columbia.		
Clay - - - - -	3	3
Sandy clay - - - - -	2	5
Red clay - - - - -	8	13
Black clay - - - - -	2	15
Sand - - - - -	1	16

Water level, 7.9 feet below top of ground 24 hours after hole completed. Water sample collected. Nov. 5, 1936.

<u>Well 64</u>		
Flat, south side State Highway No. 35, 2 miles east of East Columbia.		
Black clay - - - - -	3	3
Red clay - - - - -	1	4
Sandy clay - - - - -	1	5
Red clay - - - - -	4	9
Blue clay - - - - -	1	10
Red clay - - - - -	9	19
Sandy clay - - - - -	3	22

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Logs of test wells in Brazoria County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 64--Continued</u>		
Sand - - - - -	2	24
Water level, 20.8 feet below top of ground 72 hours after hole completed. Water sample collected. Nov. 20, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 65</u>		
Flat, south side State Highway No. 35, 1 1/4 miles southeast of East Columbia.		
Black clay - - - - -	4	4
Red clay - - - - -	8	12
Sandy clay - - - - -	10	22
Sand - - - - -	1	23
Water level, 19.2 feet below top of ground 72 hours after hole completed. Water sample collected. Nov. 20, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 71</u>		
West end of Brazos River bridge on State Highway No. 35, in East Columbia.		
Sandy clay - - - - -	2	2
Clay - - - - -	7	9
Sand - - - - -	1	10
Water level, 4.5 feet below top of ground 60 hours after hole completed; 3.8 feet below top of ground 1 month after hole completed. Water sample collected. Oct. 16, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 74</u>		
South side State Highway No. 35, 1 mile west of East Columbia.		
Sandy clay - - - - -	5	5
Sand - - - - -	2	7
Water level, 3.2 feet below top of ground 59 hours after hole completed. Water sample collected. Oct. 16, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 79</u>		
South side Danciger road at West Columbia, 2 miles west of East Columbia.		
Clay - - - - -	3	3
Sandy clay - - - - -	5	8
Sand - - - - -	7	15
Water level, 12.7 feet below top of ground 56 hours after hole completed. Water sample collected. Oct. 19, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 80</u>		
Flat, west side State Highway No. 36, south of intersection with State Highway No. 35, 2 1/4 miles west of East Columbia.		
Sandy clay - - - - -	2	2
Clay - - - - -	10	12
Sandy clay - - - - -	2	14
Sand - - - - -	2	16

	Thickness (feet)	Depth (feet)
<u>Well 80--Continued</u>		
Struck water at 14 feet. Water level, 6.4 feet below top of ground 23 hours after hole completed. Water sample collected. Oct. 13, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 81</u>		
Flat, west side State Highway No. 36, 2 3/4 miles west of East Columbia.		
Clay - - - - -	3	3
Sandy clay - - - - -	1	4
Clay - - - - -	2	6
Sandy clay - - - - -	3	9
Brown clay - - - - -	1	10
Black clay - - - - -	1	11
Yellow clay - - - - -	4	15
Brown clay - - - - -	6	21
Sand - - - - -	2	23
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.		

	Thickness (feet)	Depth (feet)
<u>Well 84</u>		
South side Danciger road, 3 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. No water sample collected. Oct. 19, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 88</u>		
Flat, west side State Highway No. 36, 3 1/4 miles west of East Columbia.		
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.		

	Thickness (feet)	Depth (feet)
<u>Well 91</u>		
North side Danciger road, 4 1/2 miles west of East Columbia.		
Clay - - - - -	3	3
Sandy clay - - - - -	6	9
Sand - - - - -	7	16
Sandy clay - - - - -	5	21
Sand - - - - -	4	25
Struck water at 23 feet. Water level, 21.8 feet below top of ground 44 hours		

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Logs of test wells in Brazoria County--Continued

	Thickness (feet)	Depth (feet)
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Well 91--Continued

after hole completed. Water sample collected. Oct. 19, 1936.

Well 93

South side Danciger road, 5 miles west of East Columbia.

Clay	4	4
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 hole completed. No water sample collected. Oct. 19, 1936.

Well 97

South side Danciger road, 5 $\frac{1}{2}$ miles west of East Columbia.

Clay	4	4
Sandy clay	3	7
Clay	4	11
Sand	17	28

Struck water at 27 feet. Water level, 21.1 feet below top of ground 28 hours after hole completed. Water sample collected. Oct. 20, 1936.

Well 98

South side Danciger road, 6 miles west of East Columbia.

Clay	5	5
Sandy clay	4	9
Sand	7	16
Sandy clay	1	17
Clay	12	29
Sandy clay	4	33
Sand	3	36

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.

Well 101

South side Danciger road, 7 $\frac{1}{2}$ miles west of East Columbia.

Black clay	4	4
Yellow clay	3	7
Brown clay	1	8
Red clay	2	10
Sandy clay	2	12
Sand	4	16
Brown clay	4	20
Red clay	8	28
Brown clay	9	37
Red clay	4	41

	Thickness (feet)	Depth (feet)
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Well 101--Continued

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.

Well 112

South side Danciger road, near west end of San Bernard River bridge, 8 $\frac{1}{2}$ miles west of East Columbia.

Black clay	3	3
Brown clay	2	5
Red clay	4	9
Brown clay	4	13
Clay and gravel	6	19
Red clay	6	25
Coarse sand	4	29
Sandy clay	5	34
Sand	1	35

Struck water at 35 feet. Water level, 34 feet below top of ground 20 hours after hole completed. Water sample collected. Oct. 22, 1936.

Well 113

South side Danciger road, 10 miles west of East Columbia.

Black clay	4	4
Yellow clay	1	5
Clay and gravel	5	8
Red clay	2	10
Sandy clay	2	12
Red clay	6	18
Coarse sand	4	22
Fine sand	2	24
Very fine sand	3	27

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 114

West of county road intersection with Danciger road, 11 miles west of East Columbia.

Black clay	3	3
Yellow clay	1	4
Red clay and gravel	5	7
Brown clay and gravel	2	9
Sandy clay	1	10
Red clay	1	11
Brown sand	1	12
Yellow sand	2	14
Fine sand	2	16

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Logs of test wells in Brazoria County--Continued

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

<u>Well 115</u>		
South side Danciger road, 12 miles west of East Columbia.		
Black clay - - - - -	4	4
Yellow clay - - - - -	2	6
Red clay and gravel - - - - -	3	9
Sandy clay - - - - -	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.		

<u>Well 119</u>		
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.		

<u>Well 122</u>		
South side county road, at Brazoria-Matagorda County line, 13 $\frac{1}{2}$ miles west of East Columbia.		
Black clay - - - - -	1	1
Brown clay - - - - -	2	3
Red clay - - - - -	12	15
Brown clay - - - - -	6	21
Sand - - - - -	2	23
Struck water at 23 feet. Water level, 21.2 feet below top of ground 70 hours after hole completed. Water sample collected. Oct. 26, 1936.		

<u>Well 201</u>		
Flat, north side State Highway No. 35, at Brazoria-Matagorda County line, 12 $\frac{1}{2}$ miles west of Brazoria.		

	Thickness (feet)	Depth (feet)
<u>Well 201--Continued</u>		
Black clay - - - - -	3	3
Brown clay - - - - -	4	7
Sandy clay - - - - -	2	9
Sand - - - - -	2	11
Sandy clay - - - - -	6	17
Sand - - - - -	6	23
Struck water at 23 feet. Water level, 15.3 feet below top of ground 2 $\frac{1}{2}$ hours after hole completed. Water sample collected. Nov. 4, 1936.		

<u>Well 202</u>		
West side State Highway No. 35, near crossroads, 12 miles west of Brazoria.		
Clay - - - - -	3	3
Sandy clay - - - - -	2	5
Clay - - - - -	10	15
Sandy clay - - - - -	2	17
Sand - - - - -	3	20
Water level, 13.2 feet below top of ground 4 hours after hole completed. Water sample collected. Nov. 4, 1936.		

<u>Well 203</u>		
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 feet below top of ground 4 hours after hole completed. Water sample collected. Nov. 4, 1936.		

<u>Well 204</u>		
North side State Highway No. 35, 10 miles west of Brazoria.		
Clay - - - - -	3	3
Sandy clay - - - - -	4	7
Clay - - - - -	2	9
Sandy clay - - - - -	3	12
Sand - - - - -	4	16
Sandy clay - - - - -	1	17
Sand - - - - -	2	19
Struck water at 19 feet. Water level, 16.9 feet below top of ground 4 hours after hole completed. Water sample collected. Nov. 3, 1936.		

<u>Well 206</u>		
Flat, north side State Highway No. 35, near road junction, 9 miles west of Brazoria.		
Clay - - - - -	2	2

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Logs of test wells in Brazoria County--Continued

	Thickness (feet)	Depth (feet)
Well 206--Continued		
Sandy clay	1	3
Clay	1	4
Sandy clay	1	5
Sand	3	8
Sandy clay	2	10
Sand	17	27

Struck water at 27 feet. Caving at 27 feet. Water level, 25.2 feet below top of ground 24 hours after hole completed. No water sample collected. Nov. 3, 1936.

Well 207

Flat, north side State Highway No. 35, 8 $\frac{1}{2}$ miles west of Brazoria.

Clay	1	1
Sandy clay	3	4
Sand	8	12
Sandy clay	1	13
Red clay	1	14
Sandy clay	3	17
Sand	2	19
Sandy clay	1	20
Red clay	8	28
Sandy clay	6	34
Sand	2	36

Struck water at 35 feet. Water level, 26.0 feet below top of ground 72 hours after hole completed. Water sample collected. Nov. 3, 1936.

Well 208

North side State Highway No. 35, 8 miles northwest of Brazoria.

Clay	1	1
Sandy clay	3	4
Sand	8	12
Sandy clay	1	13
Sand	12	25

Struck water at 25 feet. Caving at 25 feet. Water level, 24.5 feet below top of ground 73 hours after hole completed. No water sample collected. Nov. 2, 1936.

Well 209

West side State Highway No. 35, near north bank of San Bernard River, 8 miles northwest of Brazoria.

Black clay	2	2
Brown clay	2	4
Red clay	6	10
Sandy clay	3	13
Red clay	2	15
Tan clay	5	20
Red clay	7	27
Yellow sand	4	31

	Thickness (feet)	Depth (feet)
Well 209--Continued		
Struck water at 30 feet. Water level, 23.4 feet below top of ground 10 hours after hole completed. Water sample collected. Oct. 26, 1936.		

Well 210

West side State Highway No. 35, 8 miles northwest of Brazoria.

Sandy clay	3	3
White sand	4	7
Yellow sand	2	9
Fine, white sand	12	21

Struck water at 21 feet. Caving at 21 feet. Water level, 20.5 feet below top of ground 10 hours after hole completed. No water sample collected. Oct. 26, 1936.

Well 211

Flat, west side State Highway No. 36, 7 miles northwest of Brazoria.

Clay	8	8
Sand	3	11

Water level, 2.4 feet below top of ground 24 hours after hole completed. Water sample collected. Oct. 13, 1936.

Well 212

Flat, west side State Highway No. 36, 6 miles northwest of Brazoria.

Clay	7	7
Sand	2	9

Struck water at 7 feet. Water level, 3.5 feet below top of ground 23 hours after hole completed. Water sample collected. Oct. 13, 1936.

Well 213

Flat, west side State Highway No. 36, 5 miles northwest of Brazoria.

Clay	3	3
Sandy clay	4	7
Sand	2	9

Struck water at 8 feet. Water level, 5.3 feet below top of ground 22 hours after hole completed. Water sample collected. Oct. 13, 1936.

Well 214

West side State Highway No. 36, 4 $\frac{1}{2}$ miles northwest of Brazoria.

Sandy clay	5	3
Sand	2	5

Water level, 2.1 feet below top of ground 20 hours after hole completed. Water sample collected. Oct. 14, 1936.

Logs of test wells in Brazoria County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 215</u>		
South side State Highway No. 36, 3 $\frac{1}{4}$ miles northwest of Brazoria.		
Sandy clay	3	5
Sand	8	11
Struck water at 9 feet. Water level, 8.7 feet below top of ground 20 hours after hole completed. Water sample collected. Oct. 14, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 218</u>		
South side State Highway No. 36, 2 $\frac{1}{4}$ miles northwest of Brazoria.		
Clay	2	2
Sandy clay	3	5
Clay	3	8
Sandy clay	2	10
Sand	2	12
Struck water at 12 feet. Water level, 2.1 feet below top of ground 24 hours after hole completed. Water sample collected. Oct. 14, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 219</u>		
South side State Highway No. 56, 1 mile northwest of Brazoria.		
Clay	1	1
Sandy clay	4	5
Sand	2	7
Sandy clay	4	11
Sand	2	13
Struck water at 12 feet. Water level, 10.6 feet below top of ground 23 hours after hole completed. Water sample collected. Oct. 14, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 225</u>		
West side State Highway No. 36, $\frac{5}{4}$ mile south of Brazoria.		
Clay	7	7
Sandy clay	3	10
Clay	1	11
Sand	11	22
Struck water at 22 feet. Water level, 21.9 feet below top of ground 26 hours after hole completed. No water sample collected. Oct. 14, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 226</u>		
Flat, west side State Highway No. 36, 1 $\frac{5}{4}$ miles south of Brazoria.		
Clay	3	3
Sandy clay	4	7
Clay	3	10
Sand	3	13
Water level, 9.4 feet below top of ground 22 hours after hole completed. Water sample collected. Oct. 14, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 229</u>		
Flat, west side State Highway No. 36, in Brazoria.		
Clay	2	2
Sandy clay	1	3
Sand	6	9
Clay and gravel	11	20
Sand	2	22
Struck water at 21 feet. Water level, 18.5 feet below top of ground 27 hours after hole completed. Water sample collected. Oct. 14, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 231</u>		
South side McNeill road, 1 $\frac{1}{4}$ miles west of Brazoria.		
Sandy clay	4	4
Clay	4	8
Sand	1	9
Water level, 7.0 feet below top of ground 72 hours after hole completed. Water sample collected. Nov. 16, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 232</u>		
South side McNeill road, 2 miles west of Brazoria.		
Black clay	4	4
Red clay	13	17
Sandy clay	1	18
Sand	1	19
Struck water at 18 feet. Water level, 8.3 feet below top of ground 48 hours after hole completed. Water sample collected. Nov. 17, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 233</u>		
South side McNeill road, 2 $\frac{5}{4}$ miles southwest of Brazoria.		
Clay	2	2
Sandy clay	10	12
Sand	1	13
Struck water at 13 feet. Water level, 6.3 feet below top of ground 44 hours after hole completed. Water sample collected. Nov. 17, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 235</u>		
South side McNeill road, west of San Bernard River, 3 $\frac{3}{4}$ miles southwest of Brazoria.		
Clay	5	5
Sandy clay	5	8
Sand	1	9
Struck water at 9 feet. Water level, 6.1 feet below top of ground 40 hours after hole completed. Water sample collected. Nov. 17, 1936.		

Logs of test wells in Brazoria County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 247</u>		
South side McNeill road, at Brazoria-Matagorda County line, $9\frac{1}{2}$ miles southwest of Brazoria.		
Sandy clay	2	2
Sand	3	5
Sandy clay	3	8
Sand	5	13
Water level, 11.6 feet below top of ground 36 hours after hole completed. Water sample collected. Nov. 17, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 248</u>		
East side McNeill road, 9 miles southwest 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 16 feet. Water level, 4.0 feet below top of ground 38 hours after hole completed. Water sample collected. Nov. 17, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 251</u>		
South side McNeill road, $\frac{1}{4}$ mile east of Magnolia Syrup Mill, 8 miles southwest of Brazoria.		
Clay	1	1
Sandy clay	1	2
Sand	1	3
Sandy clay	1	4
Clay	5	9
Sand	2	11
Clay	2	13
Sand	1	14
Struck water at 14 feet. Water level, 9.3 feet below top of ground 40 hours after hole completed. Water sample collected. Nov. 17, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 253</u>		
South side McNeill road, at road junction, $6\frac{1}{2}$ miles southwest of Brazoria.		
Black clay	4	4
Red clay	8	12
Sandy clay	1	13
Sand	1	14
Struck water at 15 feet. Water level, 8.3 feet below top of ground 41 hours after hole completed. Water sample collected. Nov. 17, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 254</u>		
Flat, north side county road, $\frac{5}{8}$ mile east of McNeill road junction, 6 miles southwest of Brazoria.		
Clay	3	3
Sandy clay	1	4
Clay	2	6
Sandy clay	3	9
Clay	2	11
Sandy clay	1	12
Sand	1	13
Struck water at 12 feet. Water level, 8.3 feet below top of ground 4 hours after hole completed. No water sample collected. Nov. 23, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 255</u>		
South side McNeill road, $5\frac{1}{2}$ miles southwest of Brazoria.		
Sandy clay	6	6
Clay	4	10
Sand	2	12
Struck water at 11 feet. Water level, 6.9 feet below top of ground 42 hours after hole completed. Water sample collected. Nov. 17, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 257</u>		
South side McNeill road, $4\frac{3}{4}$ miles southwest of Brazoria.		
Sandy clay	3	3
Clay	5	8
Sandy clay	2	10
Sand	1	11
Struck water at 11 feet. Water level, 9.9 feet below top of ground 42 hours after hole completed. Water sample collected. Nov. 17, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 262</u>		
North side county road, $1\frac{1}{2}$ miles east of McNeill road junction, 5 miles southwest of Brazoria.		
Clay	1	1
Sandy clay	3	4
Clay	2	6
Sandy clay	3	9
Sand	1	10
Struck water at 10 feet. Water level, 6.6 feet below top of ground 6 hours after hole completed. No water sample collected. Nov. 23, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 263</u>		
Flat, north side county road, $2\frac{1}{2}$ miles east of McNeill road junction, $4\frac{1}{2}$ miles		
(Continued on next page)		

Logs of test wells in Brazoria County--Continued

		Thickness (feet)	Depth (feet)
<u>Well 263--Continued</u>			
southwest of Brazoria.			
Black clay	- - - -	4	4
Brown clay	- - - -	4	8
Red clay	- - - -	1	9
Sandy clay	- - - -	3	12
Sand	- - - -	1	13
Struck water at 13 feet. Water level, 9.6 feet below top of ground 72 hours after hole completed. No water sample collected. Nov. 20, 1936.			

		Thickness (feet)	Depth (feet)
<u>Well 265</u>			
Flat, north side county road, $\frac{3}{4}$ mile west of San Bernard River, $3\frac{1}{2}$ miles southwest of Brazoria.			
Black clay	- - - -	4	4
Brown clay	- - - -	2	6
Red clay	- - - -	4	10
Sandy clay	- - - -	3	13
Red clay	- - - -	1	14
Sand	- - - -	3	17
Struck water at 17 feet. Water level, 9.2 feet below top of ground 72 hours after hole completed. No water sample collected. Nov. 20, 1936.			

		Thickness (feet)	Depth (feet)
<u>Well 266</u>			
Flat, north side county road, $\frac{1}{2}$ mile east of San Bernard River, $3\frac{1}{2}$ miles south of Brazoria.			
Black clay	- - - -	4	4
Red clay	- - - -	6	10
Sandy clay	- - - -	1	11
Sand	- - - -	1	12
Struck water at 12 feet. Water level, 8.7 feet below top of ground 24 hours after hole completed. Water sample collected. Nov. 20, 1936.			

		Thickness (feet)	Depth (feet)
<u>Well 268</u>			
Flat, north side county road, $1\frac{1}{2}$ miles east San Bernard River, $3\frac{1}{2}$ miles south of Brazoria.			
Clay	- - - -	3	3
Sandy clay	- - - -	5	8
Sand	- - - -	1	9
Water level, 4.3 feet below top of ground 24 hours after hole completed. Water sample collected. Nov. 20, 1936.			

		Thickness (feet)	Depth (feet)
<u>Well 274</u>			
North side county road, west of railroad, $3\frac{1}{4}$ miles south of Brazoria.			
Sandy clay	- - - -	2	2
Clay	- - - -	4	6
Sandy clay	- - - -	7	13

		Thickness (feet)	Depth (feet)
<u>Well 274--Continued</u>			
Sand	- - - -	1	14
Struck water at 14 feet. Water level, 10.3 feet below top of ground 6 hours after hole completed. Water sample collected. Nov. 19, 1936.			

		Thickness (feet)	Depth (feet)
<u>Well 275</u>			
Flat, west side State Highway No. 36, $2\frac{3}{4}$ miles south of Brazoria.			
Clay	- - - -	5	5
Sand	- - - -	1	6
Struck water at 5 feet. Water level, 2.7 feet below top of ground 22 hours after hole completed. Water sample collected. Oct. 14, 1936.			

		Thickness (feet)	Depth (feet)
<u>Well 276</u>			
Flat, west side State Highway No. 36, north of county road intersection, $3\frac{1}{2}$ miles southeast of Brazoria.			
Black clay	- - - -	4	4
Red clay	- - - -	6	10
Sandy clay	- - - -	2	12
Sand	- - - -	10	22
Quicksand	- - - -	1	23
Struck water at 23 feet. Caving at 23 feet. Water level, 22.8 feet below top of ground 8 hours after hole completed. No water sample collected. Nov. 19, 1936.			

		Thickness (feet)	Depth (feet)
<u>Well 280</u>			
South side county road, $\frac{5}{8}$ mile east of San Bernard River, $8\frac{1}{2}$ miles south of Brazoria.			
Sandy clay	- - - -	2	2
Sand	- - - -	7	9
Caving at 9 feet. Water level, 8.7 feet below top of ground 24 hours after hole completed. No water sample collected. Nov. 18, 1936.			

		Thickness (feet)	Depth (feet)
<u>Well 301</u>			
West side State Highway No. 36, south of county road intersection, $11\frac{1}{2}$ miles west of Freeport.			
Sand	- - - -	4	4
Struck water at 4 feet. Water level, 1.9 feet below top of ground 21 hours after hole completed. Water sample collected. Oct. 14, 1936.			

		Thickness (feet)	Depth (feet)
<u>Well 302</u>			
West side State Highway No. 36, on Clement State Farm, 11 miles west of Freeport.			
Sandy clay	- - - -	1	1
Sand	- - - -	7	8

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Logs of test wells in Brazoria County--Continued

	Thickness (feet)	Depth (feet)
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Well 302--Continued

Water level, 4.6 feet below top of ground 20 hours after hole completed. Water sample collected. Oct. 14, 1936.

Well 304

West side State Highway No. 36, on Clemens State Farm, 10 miles west of Freeport.

Sandy clay	- - - - 2	2
Clay	- - - - 6	8
Sandy clay	- - - - 2	10
Sand	- - - - 2	12

Struck water at 10 feet. Water level, 3.4 feet below top of ground 78 hours after hole completed. Water sample collected. Oct. 15, 1936.

Well 305

West side State Highway No. 36, between Peach Point and Clemens State Farm, 9½ miles west of Freeport.

Sandy clay	- - - - 3	3
Sand	- - - - 3	6

Struck water at 5 feet. Water level, 3.5 feet below top of ground 76 hours after hole completed. Water sample collected. Oct. 15, 1936.

Well 311

South side county road, 2 miles east of San Bernard River, 10 miles west of Freeport.

Sandy clay	- - - - 2	2
Sand	- - - - 2	4
Sandy clay	- - - - 1	5
Clay	- - - - 7	12
Sand	- - - - 1	13

Struck water at 13 feet. Water level, 8.2 feet below top of ground 22 hours after hole completed. Water sample collected. Nov. 18, 1936.

Well 314

South side county road, 9½ miles west of Freeport.

Black clay	- - - - 6	6
Red clay	- - - - 9	15
Sand	- - - - 1	16

Struck water at 16 feet. Water level, 4.0 feet below top of ground 22 hours after hole completed. Water sample collected. Nov. 18, 1936.

Well 315

South side county road, 8½ miles west of Freeport.

	Thickness (feet)	Depth (feet)
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Well 315--Continued

Clay	- - - - 4	4
Sandy clay	- - - - 7	11
Sand	- - - - 1	12

Struck water at 12 feet. Water level, 8.7 feet below top of ground 20 hours after hole completed. Water sample collected. Nov. 18, 1936.

Well 316

South side State Highway No. 36, at Peach Point, 8½ miles west of Freeport.

Sandy clay	- - - - 3	3
Clay	- - - - 2	5
Sandy clay	- - - - 4	9
Sand	- - - - 2	11

Water level, 8.0 feet below top of ground 74 hours after hole completed. Water sample collected. Oct. 15, 1936.

Well 318

South side State Highway No. 36, near Peach Point, 7½ miles west of Freeport.

Clay	- - - - 9	9
Sandy clay	- - - - 3	12
Sand	- - - - 2	14

Struck water at 13 feet. Water level, 6.1 feet below top of ground 70 hours after hole completed. Water sample collected. Oct. 15, 1936.

Well 319

South side State Highway No. 36, 6½ miles west of Freeport.

Clay	- - - - 3	3
Sandy clay	- - - - 4	7
Clay	- - - - 6	13
Sand	- - - - 2	15

Struck water at 12 feet. Water level, 8.3 feet below top of ground 68 hours after hole completed. Water sample collected. Oct. 16, 1936.

Well 320

South side State Highway No. 36, 6 miles west of Freeport.

Clay	- - - - 6	6
Sandy clay	- - - - 2	8
Clay	- - - - 5	13
Sand	- - - - 1	14

Struck water at 13 feet. Water level, 4.9 feet below top of ground 60 hours after hole completed. Water sample collected. Oct. 16, 1936.

Logs of test wells in Brazoria County--Continued

		Thickness	Depth
		(feet)	(feet)
<u>Well 321</u>			
South side State Highway No. 36, $4\frac{3}{4}$ miles west of Freeport.			
Clay	- - - - -	2	2
Sandy clay	- - - - -	1	3
Clay	- - - - -	1	4
Sandy clay	- - - - -	1	5
Sand	- - - - -	2	7
Struck water at 5 feet. Water level, 2.9 feet below top of ground 65 hours after hole completed. Water sample collected. Oct. 16, 1936.			

		Thickness	Depth
		(feet)	(feet)
<u>Well 322</u>			
South side State Highway No. 36, $3\frac{1}{2}$ miles west of Freeport.			
Clay	- - - - -	3	3
Sandy clay	- - - - -	3	6
Sand	- - - - -	2	8
Water level, 2.5 feet below top of ground 72 hours after hole completed. Water sample collected. Oct. 16, 1936.			

Partial analyses of water from wells in Brazoria County, Texas

(Analyzed at The University of Texas under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry, by J. E. Stullken, 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.)

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (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	a/	103	-
10	Antone Bosak	60	Nov. 6, 1936	614	-	-	-	592	27	58	-
11	W.P.A. test well	17	Nov. 5, 1936	3,097	-	-	-	268	a/	1,840	-
12	J.W. McElveen	130	Nov. 6, 1936	694	-	-	-	500	40	146	-
13	Mrs. R.L. Nash	145	Nov. 9, 1936	496	-	-	-	464	a/	74	-
14	Mrs. Kitty Nash	160	do.	284	-	-	-	214	a/	70	-
15	A.L. Bennett	190	Nov. 6, 1936	574	-	-	-	342	a/	188	-
16	W.P.A. test well	17	Nov. 5, 1936	1,506	-	-	-	647	27	600	-
17	G.D. Birdwell	105	Nov. 6, 1936	451	-	-	-	299	a/	132	-
18	Thomas Kolaja Sr.	80	Nov. 9, 1936	479	-	-	-	482	a/	54	-
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	-	-	-	238	a/	72	-
21	W.M. Schlaht Sr.	60	do.	441	-	-	-	165	a/	196	-
22	S.L. Crockand	65	do.	256	-	-	-	244	a/	36	-
23	Mrs. R.L. Nash	125	do.	202	-	-	-	189	a/	30	-
24	Fred Schlaht Sr.	102	do.	444	-	-	-	439	a/	54	-
25	Mrs. R.L. Nash	250	do.	426	-	-	-	329	a/	100	-
27	Nash School	120	do.	115	24	7	12	122	a/	12	90
28	Mrs. Kitty Nash	110	do.	634	92	23	129	439	a/	174	324
29	do.	60	do.	332	-	-	-	354	a/	27	-
30	W.P.A. test well	26	do.	169	-	-	-	159	a/	25	-
31	A. Bertram	56	do.	459	-	-	-	415	a/	76	-
32	Mrs. Kitty Nash	100	do.	339	-	-	-	268	a/	76	-
34	W.P.A. test well	21	do.	534	-	-	-	317	21	156	-
36	do.	5	do.	319	-	-	-	311	a/	41	-
37	do.	33	Nov. 10, 1936	581	-	-	-	567	50	29	-
38	do.	33	do.	2,307	-	-	-	488	1,048	270	-

a/ Sulphate less than 10 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₃)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
40	W.P.A. test well	15	Nov.16,1936	278	-	-	-	275	a/	34	-
41	do.	16	do.	-	-	-	-	-	15	22	-
42	do.	16	do.	740	-	-	-	555	47	140	-
43	do.	13	Oct.12,1936	403	-	-	-	403	20	29	-
44	do.	15	do.	1,224	-	-	-	342	43	565	-
45	C. Matula	65	do.	437	-	-	-	415	12	51	-
46	W.P.A. test well	13	do.	657	6	7	257	512	23	112	44
47	R. Russel.	95	do.	317	-	-	-	214	12	80	-
48	R.R. Farmer	420	Oct.21,1936	571	-	-	-	403	a/	154	-
49	Rudolfo Buchta	95	Oct.10,1936	698	104	32	1125	409	12	224	390
50	W.P.A. test well	21	do.	427	-	-	-	409	31	31	-
51	R.N. Pollard	80	do.	524	-	-	-	439	23	84	-
52	W.P.A. test well	18	do.	444	-	-	-	458	a/	44	-
53	do.	25	do.	527	-	-	-	494	a/	78	-
54	do.	24	Oct.13,1936	261	-	-	-	220	a/	52	-
55	The Texas Co.	577	Oct.12,1936	591	27	11	196	323	12	186	112
58	W.P.A. test well	18	Nov. 6,1936	3,245	-	-	-	140	1,073	1,030	-
59	do.	27	do.	3,294	-	-	-	708	1,077	760	-
60	do.	23	do.	3,095	-	-	-	415	1,448	450	-
61	Geo. Tinsley	150	do.	462	-	-	-	384	a/	94	-
62	W.P.A. test well	9	do.	383	-	-	-	244	96	30	-
63	do.	16	Nov. 5,1936	1,863	-	-	-	982	471	250	-
64	do.	24	Nov.20,1936	1,285	-	-	-	561	119	420	-
65	do.	23	do.	6,042	-	-	-	238	3,377	680	-
66	T.M. Smith	692	Nov.10,1936	738	-	-	-	281	a/	325	-
68	Dr. M.A. Weams	500	do.	730	-	-	-	366	a/	275	-
69	John Craig	635	do.	787	-	-	-	275	a/	360	-
70	East Columbia School	688	do.	858	43	12	281	268	a/	390	158
71	W.P.A. test well	10	Oct.16,1936	4,821	-	-	-	287	1,714	1,380	-
72	Humble Oil Co.	750	Oct.26,1936	729	26	6	262	366	a/	255	89
73	do.	750	do.	690	26	6	245	311	a/	260	89
74	W.P.A. test well	7	Oct.16,1936	4,577	-	-	-	372	58	2,680	-
75	E.J. Hagemeier	502	Oct.13,1936	664	-	-	-	275	12	270	-
76	T.M. Smith	495	do.	737	29	11	252	305	a/	295	117

a/Sulphate less than 10 parts per million.

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

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
78	Humble Oil Co.	640	Oct.13,1936	455	26	10	49	311	15	202	106
79	W.F.A. test well	15	Oct.19,1936	2,500	-	-	-	55	a/	1,570	-
80	do.	16	Oct.13,1936	636	-	-	-	476	50	112	-
81	do.	23	do.	747	-	-	-	488	a/	222	-
82	J.A. Rogers	60	Oct.14,1936	592	-	-	-	464	15	180	-
83	F.L. Wise	320	do.	743	-	-	-	439	a/	245	-
86	F.N. Bullock	750	do.	865	27	10	307	317	a/	365	106
87	do.	700	do.	870	-	-	-	470	a/	310	-
88	W.P.A. test well	20	Oct.15,1936	740	-	-	-	329	a/	300	-
89	F.N. Bullock	762	Oct.13,1936	1,175	-	-	-	317	a/	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	-
92	W.G. Smith	37	Oct.21,1936	996	-	-	-	464	66	270	-
94	R.R. Farmer	613	do.	682	-	-	-	384	a/	235	-
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	E.N. Crouch	665	Oct.21,1936	713	14	6	270	397	a/	228	59
100	do.	365	do.	1,035	55	21	326	311	a/	480	223
101	W.P.A. test well	50	do.	1,900	-	-	-	305	127	940	-
102	--	Spring	Nov.18,1936	106	17	11	10	98	a/	20	87
103	--	do.	do.	265	-	-	-	293	a/	16	-
104	--	do.	do.	120	-	-	-	110	a/	19	-
105	--	do.	do.	289	79	12	20	330	a/	15	248
106	--	do.	Nov.16,1936	251	74	6	19	281	a/	14	209
107	--	do.	do.	211	-	-	-	238	a/	10	-
108	--	do.	do.	474	166	17	-	567	a/	12	485
109	--	do.	do.	343	-	-	-	384	a/	18	-
110	--	do.	Oct.23,1936	304	-	-	-	323	a/	25	-
111	--	do.	do.	239	82	10	-	262	a/	18	246
112	W.P.A. test well	35	Oct.22,1936	720	-	-	-	226	58	290	-
116	Humble Oil Co.	650	Oct.23,1936	1,288	54	16	435	342	a/	615	200
117	Danciger Oil & Refining Co.	700	do.	1,237	29	12	447	323	a/	590	123

a/ Sulphate less than 10 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
118	Danciger Oil & Refining Co.	139	Oct. 23, 1936	379	34	23	81	116	a/	184	179
120	O.L. Hodge Jr.	142	do.	476	-	-	-	458	a/	64	-
121	Danciger Oil & Refining Co.	156	do.	314	-	-	-	189	a/	102	-
122	W.P.A. test well	23	Oct. 23, 1936	1,549	-	-	-	397	367	450	-
201	do.	23	Nov. 4, 1936	1,523	-	-	-	811	170	395	-
202	do.	20	do.	3,250	-	-	-	79	1,235	920	-
203	do.	13	do.	449	-	-	-	439	23	36	-
204	do.	19	Nov. 3, 1936	405	-	-	-	220	a/	144	-
205	--	600	Oct. 26, 1936	1,510	-	-	-	336	a/	790	-
207	W.P.A. test well	36	Nov. 3, 1936	262	-	-	-	128	27	76	-
209	do.	31	Oct. 26, 1936	1,030	-	-	-	403	31	420	-
211	do.	11	Oct. 13, 1936	905	-	-	-	580	147	142	-
212	do.	9	do.	868	-	-	-	671	143	74	-
213	do.	9	do.	464	-	-	-	445	35	32	-
214	do.	5	Oct. 14, 1936	755	-	-	-	506	79	146	-
215	do.	11	do.	5,182	-	-	-	293	531	2,680	-
216	J.S. Montgomery	85	Oct. 15, 1936	1,340	-	-	-	598	158	400	-
217	W.H. Brigance	500	do.	1,206	-	-	-	354	12	575	-
218	W.P.A. test well	12	Oct. 14, 1936	1,172	-	-	-	519	58	425	-
219	do.	13	do.	254	-	-	-	214	37	17	-
220	Smith Bros. Gin Co.	822	do.	2,424	-	-	-	268	a/	1,410	-
221	Brazoria Colored Public School	125	do.	1,323	132	55	294	410	120	520	554
222	Brazoria Public School	125	do.	625	73	27	138	531	54	72	292
223	County Court House	1,200	do.	7,291	146	56	2,631	281	a/	4,320	595
224	Stranger Bros.	140	Oct. 15, 1936	684	-	-	-	512	54	120	-
226	W.P.A. test well	13	Oct. 14, 1936	1,557	-	-	-	342	85	740	-
227	H.C. Hayslip	494	Oct. 22, 1936	1,201	-	-	-	427	21	525	-
228	J.S. Montgomery	150	Oct. 15, 1936	758	-	-	-	458	43	206	-
229	W.P.A. test well	22	Oct. 14, 1936	448	-	-	-	519	a/	15	-

a/ Sulphate less than 10 parts per million.

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

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
230	Ran. Prel	126	Oct.15,1936	674	-	-	-	445	50	152	-
231	W.P.A. test well	9	Nov.16,1936	1,475	-	-	-	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	-	-	-	116	31	28	-
236	J.O. Fossel	460	Nov.15,1936	1,214	-	-	-	397	15	555	-
238	W.H. Burns	510	do.	1,434	-	-	-	281	a/	770	-
239	Clyde McKinney	120	Oct.26,1936	477	43	35	101	415	a/	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	-	-	-	262	a/	730	-
247	W.P.A. test well	13	Nov.17,1936	502	-	-	-	183	54	176	-
248	do.	17	do.	2,844	-	-	-	610	1,416	216	-
249	G.C. Davis	40	Nov.19,1936	665	-	-	-	360	162	90	-
250	do.	92	do.	1,212	-	-	-	293	85	545	-
251	W.P.A. test well	14	Nov.17,1936	927	-	-	-	373	185	230	-
252	W. Martin	535	May 18,1936	696	-	-	-	372	a/	250	-
253	W.P.A. test well	14	Nov.17,1936	277	-	-	-	226	31	31	-
255	do.	12	do.	432	-	-	-	311	50	68	-
256	Chas. Brewer	562	Oct.15,1936	1,496	-	-	-	281	a/	810	-
257	W.P.A. test well	11	Nov.17,1936	1,344	-	-	-	61	847	60	-
258	A.J. Proebstle	125	Oct.22,1936	2,542	-	-	-	336	a/	1,450	-
259	do.	850	do.	2,412	-	-	-	293	a/	1,390	-
264	R.R. Kropp	40	do.	1,041	-	-	-	110	158	465	-
266	W.P.A. test well	12	Nov.20,1936	1,270	-	-	-	769	120	300	-
267	- Hinkle	57	Oct.22,1936	865	-	-	-	470	58	255	-
268	W.P.A. test well	9	Nov.20,1936	755	-	-	-	622	54	108	-
269	Jefferson Lake Oil Co.	746	Oct.22,1936	2,622	-	-	-	281	a/	1,530	-
270	do.	497	May 20,1936	1,424	-	-	-	403	a/	700	-
273	do.	497	do.	1,395	36	13	504	407	a/	645	143

a/ Sulphate less than 10 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
274	W.P.A. test well	14	Nov.19,1936	849	-	-	-	677	31	160	-
275	do.	6	Oct.14,1936	782	-	-	-	543	50	170	-
277	Clemens State Farm	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	do.	981	-	-	-	348	a/	445	-
284	J.T. Hinkle	568	May 19,1936	774	-	-	-	372	a/	300	-
285	do.	560	do.	812	16	6	307	372	a/	300	61
286	T.J. Poole	580	May 18,1936	852	-	-	-	390	a/	340	-
287	do.	580	do.	790	-	-	-	372	a/	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	a/	700	-
293	do.	590	do.	1,415	29	11	519	317	a/	700	117
294	J.L. Ducroz	542	do.	750	-	-	-	390	a/	275	-
295	M.N. Percy	500	do.	1,403	-	-	-	281	a/	750	-
296	Craig Estate	600	do.	717	13	5	274	397	a/	230	53
301	W.P.A. test well	4	Oct.14,1936	2,586	-	-	-	104	a/	1,600	-
302	do.	8	do.	205	-	-	-	134	20	43	-
303	Clemens State Farm	850	Oct.19,1936	1,439	15	13	537	268	12	730	93
304	W.P.A. test well	12	Oct.10,1936	797	-	-	-	354	201	142	-
305	do.	6	do.	442	-	-	-	439	27	28	-
306	Kate Huntington	487	Oct.30,1936	1,241	-	-	-	293	a/	640	-
307	E.N. Krause	578	Oct.27,1936	910	-	-	-	366	a/	390	-
308	T.J. Poole	618	do.	938	-	-	-	390	a/	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	-	-	-	519	12	190	-
315	do.	12	do.	388	-	-	-	299	35	60	-
316	do.	11	Oct.15,1936	1,207	-	-	-	616	54	400	-
317	S.S. Perry	1,000	Oct.30,1936	2,001	-	-	-	305	a/	1,120	-
318	W.P.A. test well	14	Oct.15,1936	664	-	-	-	586	31	90	-

a/ Sulphate less than 10 parts per million.

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

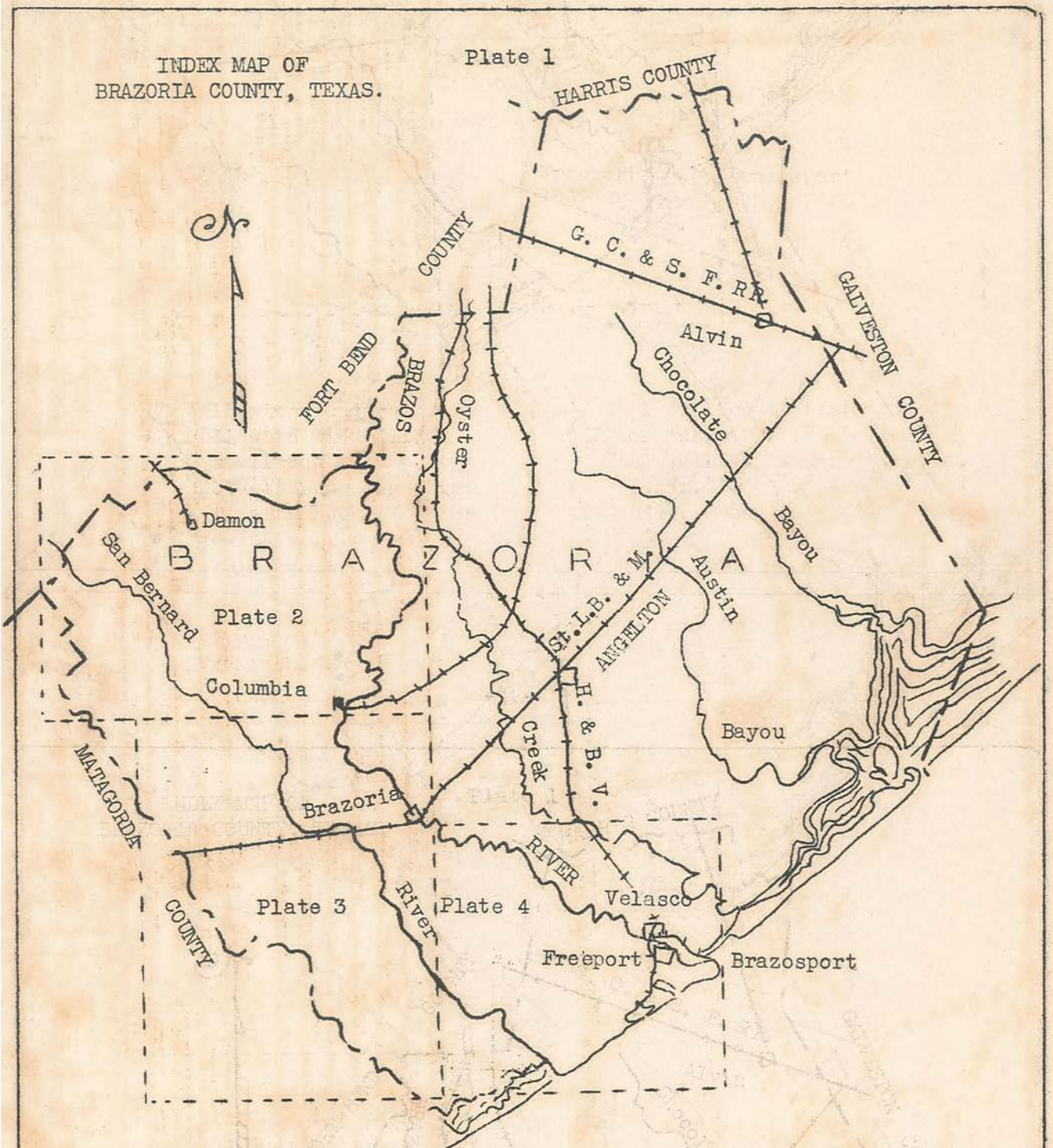
Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
319	W.P.A. test well	15	Oct.16,1936	9,587	-	-	-	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	7,462
323	South Texas Utilities Co.	251	Oct.30,1936	814	20	12	302	610	a/	180	97
324	do.	250	do.	819	18	16	299	598	a/	192	110
325	do.	250	do.	802	-	-	-	665	a/	164	-
326	--	650	do.	1,725	27	13	647	525	a/	780	123
327	W.J. Bryan	570	do.	2,299	-	-	-	421	a/	1,250	-
329	J.L. Ducroz	580	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

a/ Sulphate less than 10 parts per million.

INDEX MAP OF
BRAZORIA COUNTY, TEXAS.

Plate 1



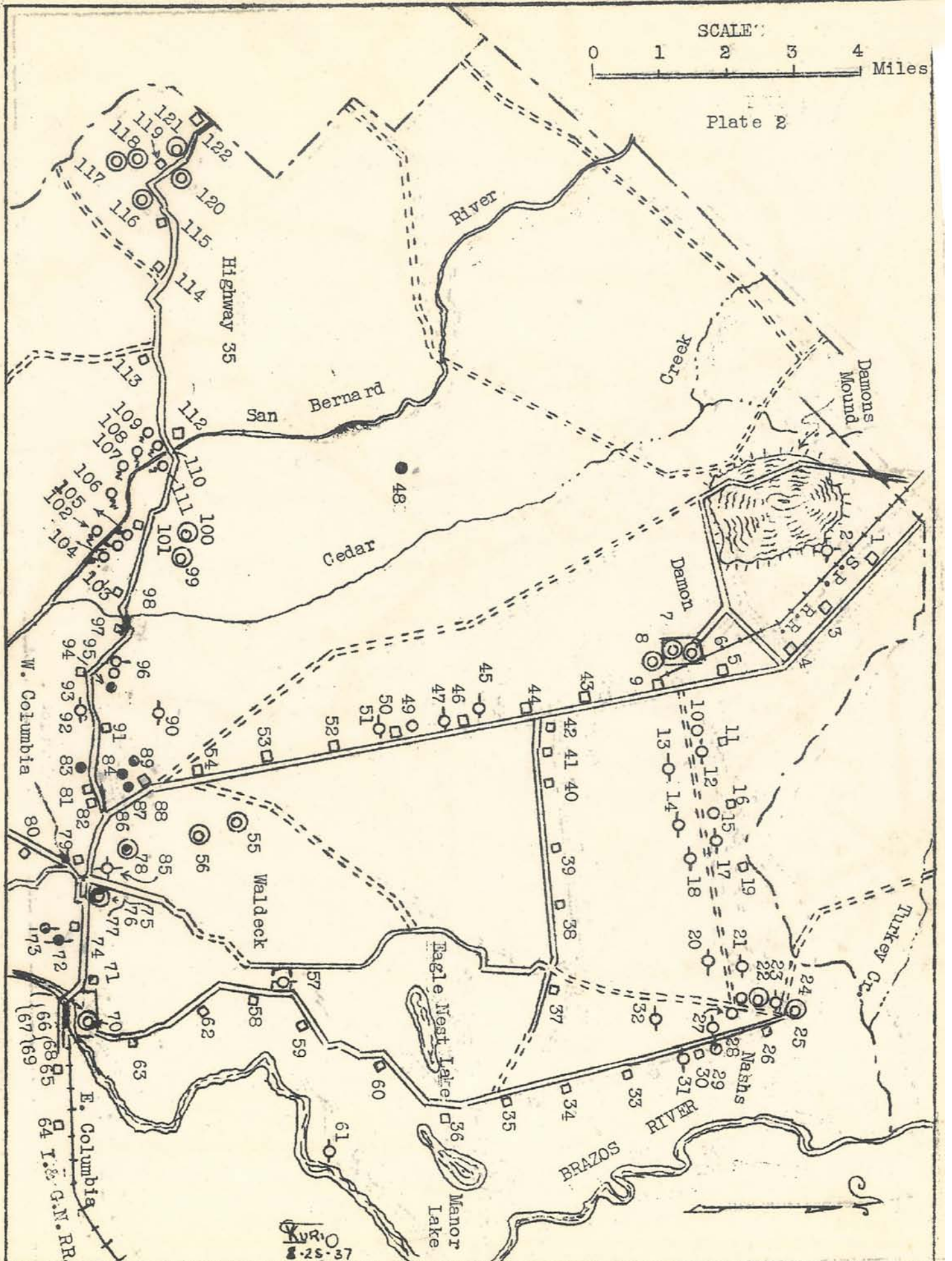
EXPLANATION

- Well with hand pump.
- Well with windmill or small power pump.
- ⊙ Well with pumping plant (5 horse power or larger)
- Flowing well.
- ⊛ Well drilled to test for oil or gas.
- Test well drilled by W. P. A. labor.
- ⊕ Spring.

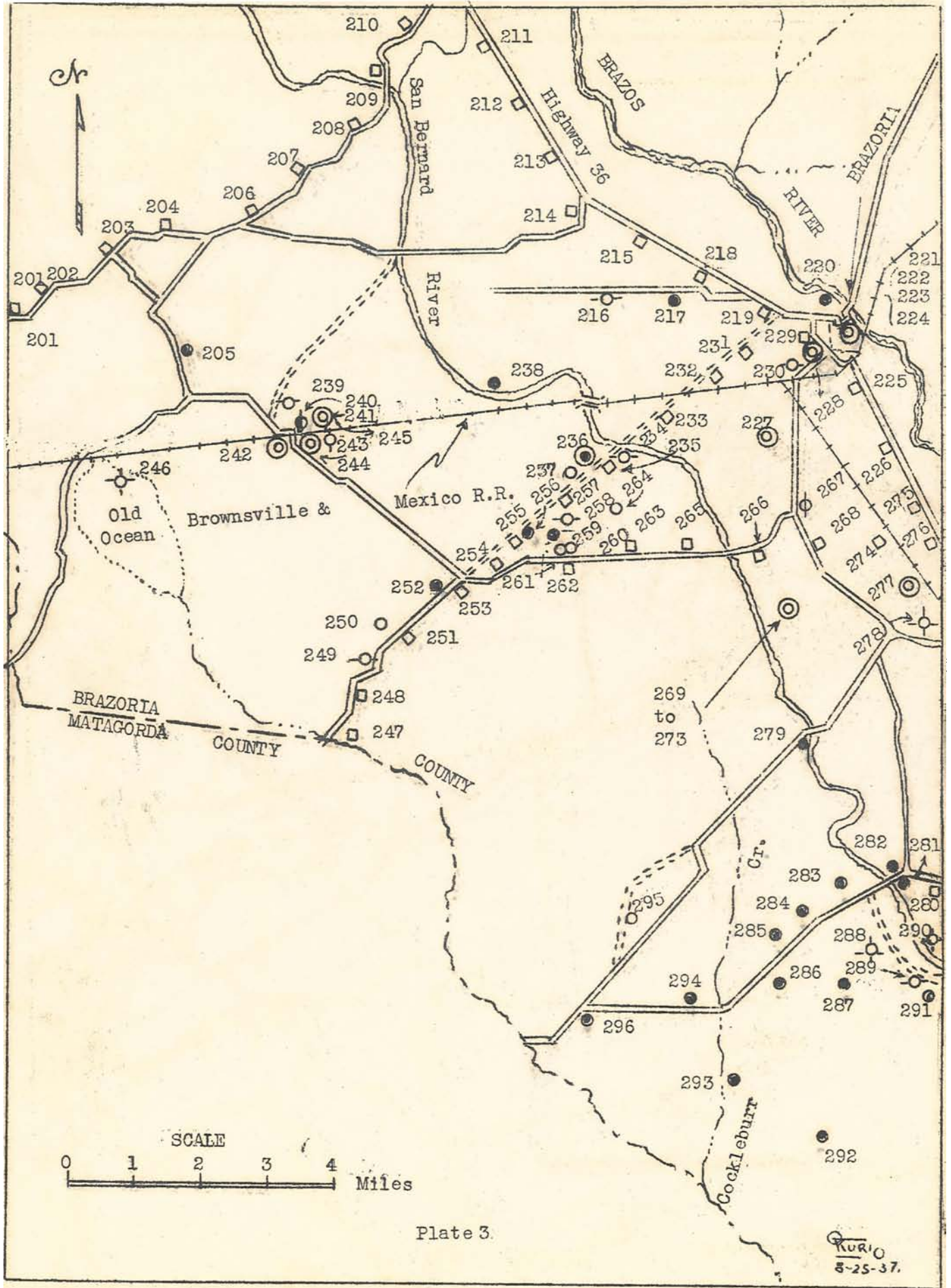
SCALE



Plate 2



U.S. GEOLOGICAL SURVEY
8-25-37



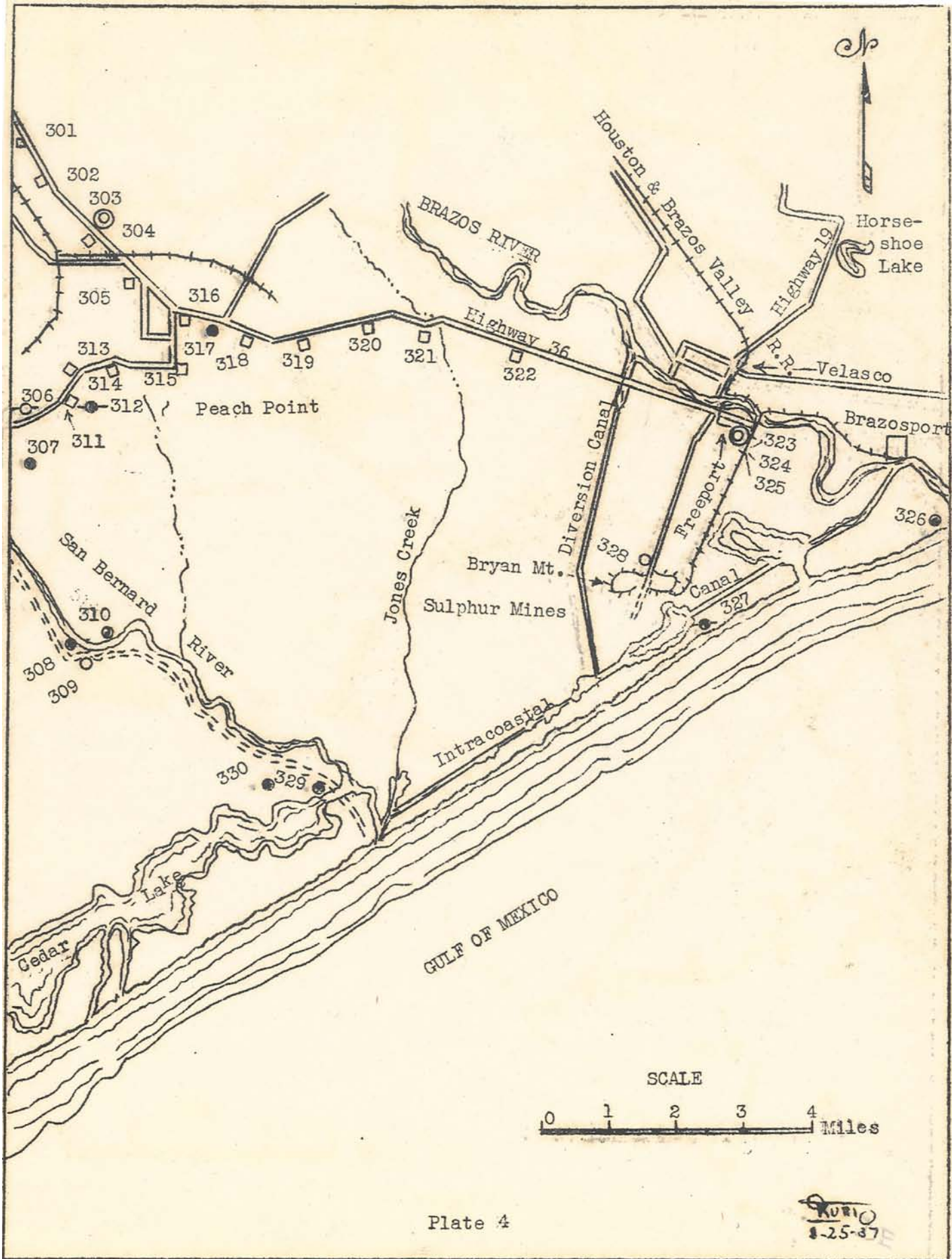


Plate 4

KURIO
8-25-37