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GONZALES COUNTY, TEXAS

Records of wells and springs, drillers' logs, water analyses, and map showing location of wells and springs

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Works Progress Administration Project 10508
by J. M. Frazier

* * *

Analyses made and report mimeographed by
WORKS PROGRESS ADMINISTRATION
Project 10443

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

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Austin, Texas
May 10, 1939

GONZALES COUNTY, TEXAS

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Introduction

by
Samuel F. Turner
Associate Hydraulic Engineer
United States Department of the Interior
Geological Survey

This publication contains data obtained in the course of a survey in Gonzales County, Texas, consisting of records of wells and springs, logs of wells and test holes, and analyses of water from wells, springs, and test holes. The locations of all wells, springs, and test holes that are listed are shown on the map in the back of the book.

This survey (project 10508 of District 10, San Antonio), was part of the State-wide inventory of water wells sponsored by the State Board of Water Engineers, in cooperation with the U. S. Department of the Interior, Geological Survey. It was started September 6, 1938 and completed December 15, 1938. J. M. Frazier, an engineer, was project superintendent. The office of the Works Progress Administration in the San Antonio District gave valuable aid to the project, and the Gonzales County Commissioner's Court cooperated by furnishing transportation for the workers.

The analyses were made by chemists employed on Works Progress Administration project 10443 under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry of The University of Texas, and C. W. Lohr, Chemist, of the Quality of Water Division of the Geological Survey; the Bureau of Industrial Chemistry furnished laboratory space and equipment. This release was typed by typists employed on that project.

The records serve as a guide to land owners and well drillers who need information regarding wells, the depth to ground water in different parts of the county, and the quantity and quality of water yielded by wells. They afford a basis for the more intensive investigation that is now being carried on by the State Board of Water Engineers in cooperation with the Geological Survey, the purpose of which is to determine the distribution and extent of the available ground-water supplies and the safe yield of the underground reservoirs.

Records of wells and springs in Gonzales County, Texas
(All wells are drilled unless otherwise noted in "Remarks" column.)
(See "Logs of W. P. A. test wells" for all records of test wells.)

No.	Distance from Gonzales	Survey	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)
1	12½ miles northwest	B. S. & F	John Cochran	--	Hillside	--	84	4
d/ 2	11½ miles northwest	Winslow Turner	L. F. Kohnstadt	-- Lynch	Creek bottoms	--	1,113	10
d/ 4	do.	do.	R. M. Norwood	Empire G. & F. Co.	Hillside	1929	4,169	8
5	11 miles northwest	do.	W. C. Meek	W. C. Meek	Hilltop	1932	115	4
d/ 6	do.	do.	J. F. Webb	Cranfill & Reynolds	Hillside	1929	4,271	10
7	do.	do.	L. F. Kohnstadt	-- Bailey	Hilltop	1925	77	36
d/ 9	do.	do.	do.	W. B. Flynn	Hillside	1929	4,740	10
10	9½ miles northwest	do.	W. Wiley	--	Hilltop	1920	20	36
11	9 miles northwest	do.	J. N. Lampkin	Mozel Oil Co.	Hillside	1915	2,200	--
12	do.	do.	do.	do.	Flat	1915	800	--
13	do.	do.	do.	do.	do.	1916	900	4
14	do.	do.	do.	do.	Hillside	1914	1,500	6
15	9½ miles northwest	do.	do.	--	Near swamp	1926	1,148	10
18	10½ miles northwest	A. W. McComley	J. C. Barfield	B. Reed	Creek bottoms	1938	180	4
19	do.	Russel Ward	James Lampkin	--	do.	1908	18	48
d/ 20	11 miles northwest	do.	C. H. Kohnscheck	--	Flat	1900	26	48
22	12 miles northwest	Elizabeth Morgan	Lyda Herschep	--	Creek bottoms	--	Spring	--
23	11½ miles north	Geo. Tomlinson	C. A. Gray	--	do.	--	Spring	--
24	do.	Gonzales Town Lots	C. P. & L. Co.	--	Flat	--	125	4
25	12 miles north	do.	A. Bouldin	C. C. Shannon	do.	--	140	4
26	do.	Geo. Tomlinson	A. W. Caperton	do.	do.	1937	107	4
27	do.	do.	C. H. Hoover	-- Kood	do.	1925	115	5¼
28	do.	do.	W. G. Bouldin	C. C. Shannon	do.	1931	103	4
29	do.	John Cain	H. E. Bowels	--	Hillside	--	224	5¼

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

Records obtained by J. M. Frazier, Project Superintendent
(Chemical analyses of water from these wells are in the table of analyses.)

No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
1	3	71.6	Dec. 12, 1938	C,W	D,S	Located near Gonzales - Caldwell County line.
2	--	--	--	None	N	Oil test. See log.
4	1	179.8	Oct. 12, 1938	None	N	Do.
5	1	92.9	do.	C,W,G, 20	D,S	Iron casing; bottom 20 feet perforated. Water from black and white sand at 27 feet.
6	--	--	--	None	N	Oil test. See log.
7	2	75.3	Oct. 12, 1938	C,W,G, 7	D,S	Dug well; concrete curb and casing. Reported weak supply from blue sand.
9	1	82.1	Oct. 14, 1938	None	N	Oil test. See log.
10	2	18.6	do.	C,H	S	Dug well; concrete curb and casing. Reported weak supply.
11	--	Flows	do.	None	S	Estimated flow, 20 gallons a minute. Oil test. Reported water enters well at 1,500
12	--	Flows	do.	None	D,S	Estimated flow, feet; cased to 1,300 feet. 18 gallons a minute from depth of 400 feet.
13	--	Flows	do.	None	D,S	Estimated flow, 4 gallons a No casing. minute from depth of 400 feet.
14	--	Flows	do.	None	D,I	Estimated flow, 1 gallon a minute from depth of 400 feet. Cased to 1,500 feet; partially
15	--	Flows	Oct. 12, 1938	None	S	Estimated flow, 20 gallons a perforated. minute; drains into Mule Creek.
18	--	Flows	do.	None	D,S	Do.
19	0	10.1	do.	B,H	S	Dug well; rock casing.
20	0	18.9	do.	C,W	N	Dug well; rock and brick curb and casing. Reported strong supply.
22	--	Flows	Oct. 11, 1938	None	D,S	Estimated yield, 1 gallon a minute from one opening in sandstone. Known as "Sourlake
23	--	Flows	do.	None	D,S	Estimated yield, 2 gallons a Spring." minute from one opening in sandstone. Known
24	1	73.8	do.	C,E, 2	D,S	Located at power sub- as "Butler Wells." station.
25	0.5	72.5	do.	C,W	S	Cased to bottom.
26	1.5	81.0	Oct. 9, 1938	C,W	D	Do.
27	4	74.8	do.	C,W	D	Casing perforated below 102 feet. Water from sand at 110 feet.
28	1	74.0	do.	C,W	S	Reported altitude, 468 feet. Cased to bottom.
29	1.2	62.8	do.	C,W	D,S	Cased to bottom.

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

Records of wells and springs in Gonzales County--Continued

No.	Distance from Gonzales	Survey	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)
30	11 miles north	John Cain	J. R. Halbrook	-- McWilliams	Flat	1918	89	4
31	10½ miles north	Russel Ward	S. W. Shott	S. W. Shott	Creek bottoms	1938	35	36
d/ 35	9 miles northwest	do.	Jordon Jones	Jordon Jones	do.	1920	35	48
37	8½ miles northwest	do.	Jurden Duncan	--	Flat	1903	46	48
40	5 miles north	Gonzales Town Lots	B. Botts	P. N. Minear	do.	1896	146	4
41	4¾ miles north	do.	M. P. Reed	--	Creek bottoms	--	315	4
43	4¼ miles north	do.	Remschel Bros.	--	Flat	--	350	4
44	3¾ miles north	do.	Mrs. A. Buckholtz	--	do.	1908	315	4
45	3½ miles north	do.	A. H. Ebel	--	do.	1908	195	4
46	do.	do.	H. M. Simon	--	Hilltop	--	300	4
47	2½ miles north	do.	P. Adolf	Geo. Teaton	do.	1917	400	4
48	2¾ miles north	do.	John Hancock	John Reader	do.	1907	448	4
51	1 mile north	do.	B. L. Lawrence	--	Flat	1918	49	48
52	1½ miles northeast	do.	Mrs. Max Schurig	John Johnson	do.	1919	84	52
d/ 53	2¾ miles northeast	do.	C. O. Broer	B. Broer	Hillside	1908	18	36
d/ 55	3¾ miles northeast	do.	W. E. Cleveland	-- Fuguray	Flat	1929	28	4
56	4¼ miles northeast	Andrew Zumwalt	E. V. Ellis	Green Batman	Hilltop	1936	59	5¼
58	4½ miles northeast	do.	Mrs. B. Kucharczyk	Sam Anderwald	do.	1934	41	4
59	5 miles northeast	do.	W. B. Terrell	Clyde Logan	Flat	1920	557	4
60	do.	do.	H. L. Kone	Schott Bros.	Hilltop	1926	107	4
61	4¾ miles northeast	do.	do.	do.	do.	1927	551	4
62	5 miles northeast	do.	Sam Mathews	L. Thornton	do.	1938	44	6
d/ 63	5½ miles northeast	Andrew Winters	G. White	H. Adams	--	--	110	4
64	6½ miles north	do.	Vern Crozier	-- Rhodes	Hilltop	1917	232	4
65	do.	do.	Fred Scheske	Fred Scheske	Hillside	1937	84	--
68	8½ miles north	Lyman Pease	D. F. Orts	--	Hilltop	1911	376	4
70	9 miles north	do.	John Zak	--	Flat	1920	265	4

J. M. Frazier, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
30	2	49.9	Oct. 11, 1938	C,W	D,S	Cased to bottom.
31	4	24.1	Oct. 12, 1938	B,H	D,S	Dug well; brick curb and casing.
35	--	28	e/	C,H	D,S	Do.
37	4	43.9	Oct. 11, 1938	B,H	D,S	Dug well. Reported weak supply.
40	1	40.9	Oct. 7, 1938	C,W	D,S	Cased to bottom; perforated below 126 feet.
41	--	60	e/	C,H	D,S	Cased to 200 feet.
43	1	52.1	Oct. 7, 1938	C,W	D,S	Do.
44	--	80.3	do.	C,W	D,S	Cased to bottom.
45	0.5	89.4	do.	C,W	D,S	Do.
46	--	75	e/	C,W	D,S	Cased to 200 feet.
47	--	150	e/	C,W	D,S	Do.
48	--	364	e/	C,W	D,S	Cased to 348 feet.
51	1	38.9	Sept.29, 1938	C,W	S	Dug well; brick curb and casing.
52	1.2	62.8	do.	C,W	D	Dug well; brick curb and casing. Used by three families.
53	--	9.1	do.	B,H	N	Dug well; rock curb. Partially caved.
55	--	20	e/	C,W,G, 1½	S	Cased to bottom. Reported highly mineralized.
56	1.5	45.1	Sept.29, 1938	C,W	D	Bored well; cased to bottom.
58	--	35.5	do.	B,H	D	Cased to bottom. Reported yield, 1 gallon a minute.
59	--	500	e/	C,W	D	Cased to bottom.
60	--	85	e/	C,W	D	Do.
61	2	85.5	Sept.29, 1938	C,H,G, 1½	S	Cased to 85 feet.
62	0	33.9	do.	B,H	S	Driven well; cased to 40 feet. Water from blue sand.
63	--	--	--	C,W	N	Cased to bottom.
64	1	20.3	Nov. 1, 1938	C,W	D,S	Cased to 200 feet.
65	2	82.9	do.	B,H	S	Concrete curb. Reported weak supply.
68	1	83.9	do.	C,W,G, --	D,S	Tractor supplies auxiliary power.
70	2	154.9	do.	C,W	D,S	Cased to 250 feet.

Records of wells and springs in Gonzales County--Continued

No.	Distance from Gonzales	Survey	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)
71	12 miles north	S. Y. Reams	W. S. Atkinson	--	Creek bottoms	1935	5,700	10
72	13 miles north	do.	H. C. Jowers	--	Hilltop	--	36	36
73	do.	John Adkinson	B. Ham	B. Ham	do.	1935	42	4
74	13½ miles north	do.	Ed. Owen	do.	do.	1913	76	4
75	do.	A. K. Clark	Marian Harper	--	Flat	1900	45	36
d/ 76	15 miles north	Clements Allen	H. A. Porter	--	do.	1878	43	48
77	do.	do.	do.	--	do.	1910	160	4
78	do.	do.	J. C. Griffin	--	do.	1929	65	4
79	15½ miles north	do.	Mrs. D. A. Gunn	--	do.	1923	165	4
80	16 miles northeast	Richard Heath	R. A. Bradfield	Bost Bros.	do.	1925	400	4
81	20½ miles northeast	Freeman George	W. C. Ballard	do.	Hilltop	1924	400	4
82	19 miles northeast	Frederick Kistler	Vern Crozier	E. Bouldin	Creek bottoms	1938	16	42
83	do.	do.	O. B. Robinson	--	do.	-- Spring		--
84	17½ miles northeast	do.	Tom Henderson	Bost Bros.	Hilltop	1925	413	4
85	16½ miles northeast	Waelder Townsite	City of Waelder	A. E. Bost	Hillside	1926	511	8¼
86	do.	do.	S. P. R. R.	--	Flat	1924	720	10
d/ 87	do.	do.	T. G. Bell	--	do.	--	28	48
d/ 88	17½ miles northeast	Sarah Smith	L. E. Meaker	-- Harrison	do.	--	50	--
89	18½ miles northeast	Jas. Gibson	C. F. Moore	I. G. Remerez	Hillside	1938	55	--
90	19½ miles northeast	do.	Jim Robinson	--	do.	--	120	6
d/ 91	20½ miles northeast	C. Williams	Paul Tauch	--	Flat	--	69	3
d/ 93	13 miles northeast	Mary Ann Williams	Joe James	Johnson Mattock Oil Co.	do.	1932	2,600	10
94	14½ miles northeast	Robt. Gifford	A. Martin	--	Hilltop	--	170	4
d/ 95	14 miles northeast	W. B. Bridges	Vernon Wright	L. L. Jones	Flat	1931	1,890	10
98	13½ miles northeast	H. Bridges	B. M. Harris	B. M. Harris	Creek bottoms	1908	23	48

J. M. Frazier, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
71	3	Flows	Nov. 1, 1938	None	D,S	Oil test. Cased to 97 feet. Estimated flow, 25 gallons a minute through 2-inch choke;
72	2	20.0	Nov. 11, 1938	C,W	D,S	Dug well; rock curb and drains into creek. casing.
73	1	34.0	Oct. 9, 1938	B,H	D,S	Bored well; 4 feet of galvanized casing at top. Reported weak supply from red sand.
74	--	54	e/	C,G, 1½	D,S	Bored well; galvanized casing, top to bottom.
75	4	27.6	Oct. 11, 1938	B,H	S	Dug well; brick curb and casing.
76	--	23	e/	C,W	S	Do.
77	--	60	e/	C,W	D,S	Cased to bottom.
78	--	--	--	C,G, 1½	D,S	Bored well; cased to bottom. Reported weak supply.
79	1	90.8	Oct. 6, 1938	C,W	D,S	
80	--	150	e/	C,W	D,S	
81	--	--	--	C,G	D,S	Cased to bottom. Reported trace of oil in water.
82	3	15.0	Oct. 5, 1938	C,G, 1½	D,S	Dug well; concrete curb and casing. Water from gravel and sand. Located 15 feet from
83	--	Flows	do.	None	D,S	Estimated yield, 1 gallon a spring 83. minute from one opening in gravel and sand.
84	--	--	--	C,W	D,S	Do.
85	--	50	e/	T,E, 10	D,P	Cased to bottom; perforated below 411 feet. Estimated yield, 150 gallons a minute from black and white sand. Reported altitude, 367
86	--	150	e/	C,D, 37½	Ind	Cased to 500 feet; perforated below feet. 400 feet. Estimated yield, 130 gallons a minute from porous sand rock, 400 to 500 feet. Reported altitude 367 feet.
87	-7	19.0	Oct. 3, 1938	C,T	S,I	Dug well; concrete curb, brick casing. Measuring point below ground.
88	1	42.1	Oct. 5, 1938	B,H	N	Dug well.
89	--	45	e/	H	D,S	Dug well; no casing.
90	--	--	--	C,W	S	Bored well.
91	0.5	44.0	Oct. 5, 1938	C,H	S	Do.
93	--	--	--	None	N	Oil test. See log.
94	--	80	--	C,W	D,S	Iron casing.
95	--	--	--	None	N	Oil test. Cased to 100 feet. See log.
98	3	18.1	Oct. 3, 1938	B,H	D	Dug well; brick curb and casing. Sometimes used by School District 6.

Records of wells and springs in Gonzales County--Continued

No.	Distance from Gonzales	Survey	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)
99	12½ miles northeast	Mary Ann Williams	E. L. Walters	--	Flat	--	45	48
100	do.	do.	J. C. Parr	--	do.	1923	200	4
101	do.	do.	M. D. Parr	Jim Whittenburg	do.	1899	40	48
102	12 miles northeast	do.	do.	-- Lewis	do.	1911	40	72
103	11½ miles northeast	do.	Doc. Martin	Geo. Beaver	Gentle slope	1898	56	36
d/104	12 miles northeast	do.	E. Walters	Antibus & Cummins	Hilltop	1930	2,526	--
d/105	do.	do.	Clem Martin	do.	Base of hill	1930	3,200	10
d/106	12 miles northeast	do.	E. Walters	Dawson Bros.	Hilltop	1897	709	--
107	11 miles northeast	do.	Mrs. Clem Martin	--	Flat	1889	40	48
110	10½ miles northeast	C. Cotton	School District 46	-- Bost	do.	1931	190	4
111	10 miles northeast	John Slater	Mrs. H. C. Cook	--	Hilltop	--	87	36
112	do.	do.	S. H. Smith	Sam Hubbard	Flat	1920	205	--
113	do.	do.	Mrs. S. Champion	-- Works	Hilltop	1918	46	--
114	9 miles northeast	Sam McCoy	G. H. Gordon	Sam Hubbard	Hillside	1920	207	4
116	8 miles northeast	Arch Gibson	O. C. DuBose	Mike Haung	Flat	1880	46	36
117	do.	do.	A. F. Hardcastle	-- McWilliams	Hilltop	1916	108	4
118	7½ miles northeast	do.	A. G. Heins	--	Flat	1900	78	4
119	7 miles northeast	do.	R. G. Adams	--	Hilltop	--	64	48
120	6 miles northeast	Andrew Winters	L. F. Christian	--	do.	1866	65	48
125	2½ miles east	Eli Mitchell	E. Ryter	--	Hillside	1923	82	4
127	3½ miles south	do.	B. A. Floyd	Green Batman	Hilltop	1937	104	36
129	4½ miles northeast	do.	O. V. Walker	do.	do.	1937	98	36
135	8½ miles east	Edward Hughart	W. P. Woods	J. M. Polk	Flat	1898	17	48
136	9½ miles northeast	do.	C. Williams	Lewis White	do.	1898	13	48
d/141	14 miles east	Bird Lockhart	D. Leck	--	Hillside	1900	30	36
142	13½ miles east	C. Broches	School District 7	--	Creek bottoms	1923	25	36

J. M. Frazier, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
99	3	15.9	Oct. 4, 1938	B,H	D,S	Dug well; brick curb and casing.
100	--	150	e/	C,W	D,S	Bored well; cased to 180 feet.
101	--	20	e/	C,W	S	Dug well; brick curb and casing.
102	2	19.0	Oct. 4, 1938	C,G, 4	D,S	Do.
103	2	43.8	do.	B,H	D,S	Do.
104	--	--	--	None	N	Oil test. See log.
105	--	--	--	None	N	Oil test. Cased to 90 feet.
106	--	--	--	None	N	Oil test. Reported by T. U. Taylor in Water Supply Paper 190: drilled to 2,100 feet. See log.
107	--	20	e/	B,H	D,S	Dug well; rock curb and casing.
110	--	140	e/	C,H	D,P	Reported altitude, 325 feet.
111	3	72.1	Oct. 3, 1938	C,W	D,S	Dug well; brick curb and casing.
112	--	--	--	C,W	D,S	Reported altitude, 325 feet.
113	3	42.9	Oct. 3, 1938	C,W	D,S	Dug well; concrete curb.
114	--	59.9	Sept.29, 1938	C,W	D	Cased to 160 feet. Water from blue sand.
116	3	35.1	do.	B,H	S	Dug well; rock casing.
117	1.5	59.9	do.	C,W	D,S	Cased to bottom.
118	1	63.8	do.	C,H	S	Do.
119	3	57.6	do.	C,W	D	Dug well; brick curb and casing.
120	--	--	--	C,H	D,S	Dug well; rock curb and casing.
125	1	75.1	Nov. 15, 1938	C,W	D,S	Cased to 70 feet.
127	1	92.8	do.	C,W	D	Dug well; brick curb and casing. Reported weak supply.
129	2	92.8	do.	C,H	D,S	Do.
135	3	14.0	do.	C,W	S	Dug well; rock and brick curb and casing.
136	3	11.9	do.	B,H	D	Dug well; rock curb and casing. Reported weak supply.
141	--	20.1	Oct. 26, 1938	B,H	D,S	Dug well; brick curb and casing.
142	--	17	e/	C,H	D,S	Dug well; concrete curb and casing.

Records of wells and springs in Gonzales County--Continued

No.	Distance from Gonzales	Survey	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)
d/144	12 miles east	William Hill	Herrick Est.	--	Hilltop	1880	60	48
d/145	11½ miles east	do.	A. Polasek	--	Creek bottoms	1890	15	36
d/146	12 miles east	George Blair	J. Cumchal	--	Flat	1908	185	4
d/147	do.	do.	D. Green Est.	--	Hillside	1850	60	36
d/148	11 miles east	do.	T. Hilewier	-- Kippner	--	1906	250	4
d/149	do.	do.	A. Polosky	A. Polosky	Creek bottoms	1909	35	36
150	10⅔ miles east	A. W. Hill	-- Fitzgerald	--	Flat	--	54	144
151	do.	George Blair	A. Simersky	Greger & Johnson	do.	1924	250	4
152	10 miles east	Conrad Roaher	H. Kennard	G. A. Schmidt	do.	1918	167	8
153	do.	Alexander Isbell	C. P. Goodwin	do.	do.	1918	76	8
154	9½ miles east	A. Denton	R. A. Walcheck	do.	do.	1916	135	8
156	4⅜ miles east	Jones Thompson	W. L. Wallace	Tom Hubbard	--	1920	306	4
d/157	5 miles east	R. M. Green	H. G. Johnson	Green Bateman	Flat	--	88	36
d/158	5½ miles east	Jones Thompson	J. R. Johnson	--	do.	1918	80	4
159	7½ miles east	Thomas P. Fowler	Kent Dubose	--	Hilltop	1912	156	4
160	9 miles east	Bartholomew McClure	W. T. Johnson	--	Flat	--	24	36
161	10½ miles east	William Hill	Aloise Marek	--	Hillside	1894	47	36
162	11½ miles east	do.	Kokernot School	--	do.	--	49	48
163	do.	do.	F. M. Baros	L. Evon	do.	1930	49	36
165	14 miles southeast	Jesse McCoy	Dreyer School	A. Miller	do.	1923	128	4
166	13⅔ miles southeast	do.	George Turk	--	do.	1918	50	36
d/167	12⅔ miles southeast	do.	W. Dryer	H. Dryer	Flat	1903	22	36
168	do.	John McCoy	G. W. Turk	G. W. Turk	do.	1938	23	36
d/169	do.	do.	R. L. Allert	--	do.	1926	220	4
170	12 miles southeast	do.	J. Dryer	--	do.	--	23	36

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

No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
144	3	28.7	Oct. 26, 1938	B,E	D,S	Dug well; rock curb; rock casing, 0 to 50 feet.
145	3	9.0	do.	B,E	D,S	Dug well; rock curb and casing.
146	--	90	e/	C,W	D,S	Cased to 100 feet.
147	--	53.7	Oct. 26, 1938	B,H	D,S	Dug well; rock and concrete curb and casing. Reported weak supply.
148	--	190	e/	C,W	S	Cased to 200 feet. Reported weak supply.
149	2	11.8	Oct. 26, 1938	B,H	D,S	Dug well; rock curb and casing.
150	1	38.2	do.	C,G, --	D,S	Do.
151	--	38.8	do.	-,G, 1½	D,Ind	
152	--	40	e/	C,W	D,S	Cased to 110 feet. Water from blue shale, 67 to 110 feet.
153	--	35	e/	C.W	D,S	Cased to 67 feet.
154	1	39.8	Oct. 26, 1938	C,W	D,S	Cased to 96 feet. Water from blue shale.
156	--	156	e/	C,W	D,S	Cased to 70 feet.
157	--	65	e/	C,W	D	Dug well; brick curb and casing. Reported water slightly mineralized.
158	2	78.8	Oct. 28, 1938	C,W	D,S	Cased to bottom.
159	--	51.9	do.	C,W	D,S	Do.
160	3	19.5	Oct. 26, 1938	B,H	D,S	Dug well; rock curb and casing.
161	--	37.7	do.	C,W	D	Do.
162	--	45	e/	C,W	D,S	Dug well; concrete curb and casing.
163	--	45	e/	C,W	D,S	Dug well; brick curb and casing.
165	2	99.5	Oct. 28, 1938	C,H	D	Cased to 100 feet.
166	3	28.2	do.	C,G, 2	D,S	Dug well; rock curb and casing.
167	3	19.2	do.	C,W	D,S	Do.
168	--	18	e/	C,W	D	Do.
169	--	128	e/	C,G, 1	D,S	Cased to 120 feet.
170	2	20.4	Oct. 28, 1938	B,H	D,S	Dug well; rock curb and casing. Reported weak supply.

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

Records of wells and springs in Gonzales County--Continued

No.	Distance from Gonzales	Survey	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)
171	11 miles southeast	John E. Garvin	E. Freeman	--	Hillside	--	125	4
172	14 miles southeast	Simeon Bateman	J. Steen	A. S. Hoemacker	Flat	1934	80	4
173	do.	do.	School District 2	--	do.	1926	26	36
d/174	13½ miles southeast	do.	Clyde Boothe	--	do.	1908	--	4
175	13 miles southeast	do.	do.	--	do.	--	--	10
176	11½ miles southeast	do.	J. A. Steen	A. Roth	Hillside	1932	165	4
d/178	10½ miles southeast	E. G. Coffman	B. E. Dubose	--	Flat	1903	128	4
180	9½ miles southeast	Byrd Lockhart	A. Hammond	Green Lue	Hillside	1918	48	36
d/181	9 miles southeast	do.	J. Hammond	C. Dubose	Flat	1926	125	4
d/183	8½ miles southeast	do.	H. Hammond	--	Hilltop	1928	125	4
d/186	8 miles southeast	do.	George Hinton	George Hinton	Flat	1913	51	4
d/187	do.	do.	L. H. Hinton	John Fruser	do.	1925	74	4
d/189	8 miles south	James Dillard	George Hinton	--	Hillside	1902	28	24
193	13½ miles south	R. H. Wynn	W. C. Spieckerman	--	Hilltop	--	87	4
d/194	15 miles south	J. Billings	T. G. Young	T. G. Young	Flat	1918	30	48
d/196	15½ miles south	Cheapside Townsite	W. P. Freeman	--	do.	1913	75	4
198	11½ miles south	Sarah Hendricks	O. Zimmermann	--	Hilltop	1911	170	4
d/199	12 miles south	S. H. Gates	B. W. Williams	--	River bottoms	--	45	36
200	11½ miles south	do.	W. Weber	D. Clambert	Flat	1917	98	4
201	8½ miles south	Peter Girhart	L. Maloch	--	do.	1910	90	4
203	7 miles south	John Waddy	Max Roeber	--	do.	1908	245	4
d/205	6 miles south	M. Powers	H. Gescheidle	--	do.	1918	78	36
206	5½ miles southeast	Jonathan Cottle	W. D. Dubose	--	do.	1906	200	4
207	5 miles southeast	do.	L. D. Dubose	-- McWilliams	do.	1920	275	4
209	5 miles south	E. Kelly	O. E. Wendel	-- Greenluke	Hilltop	1916	69	36
211	4½ miles south	Nathaniel Osborne	J. Stomach	--	Flat	1918	100	--

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No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
171	2	86.2	Oct. 28, 1938	C,W	D,S	
172	1.5	18.3	do.	C,W	D,S	Reported water in blue sand at 18 feet.
173	1	24.2	do.	C,H	D	Dug well; concrete curb and casing.
174	1	19.8	do.	C,W	D,S	
175	--	Flows	do.	None	S	Oil test. Estimated yield, 3 gallons a minute.
176	1	79.9	do.	C,W	D,S	Cased to bottom; perforated below 80 feet. Water reported at 80, 115 and 165 feet.
178	--	79	do.	C,W	D,S	Cased to 120 feet. Reported weak supply.
180	2	37.1	do.	C,W	D,S	Dug well; rock curb and casing.
181	1	84.2	do.	C,W	D	Cased to 120 feet.
183	1	84.8	do.	C,W	D,S	Cased to bottom.
186	1	20.2	do.	C,W,G, --	D,S	
187	--	39.2	Nov. 9, 1938	C,W,G, 1	S	Cased to bottom.
189	2	25.2	do.	B,H	S	Dug well; rock curb and casing. Reported weak supply.
193	2	82.1	Nov. 29, 1938	C,W	D,S	Cased to bottom.
194	--	25	Nov. 25, 1938	C,H	D,S	Dug well; rock casing. Located near Fulcher Creek.
196	--	69.8	Oct. 27, 1938	C,W	D,S	Cased to 70 feet.
198	--	160	e/	C,W	S	Cased to 170 feet.
199	2	32.1	Nov. 29, 1938	B,H	D,S	Dug well; brick curb and casing.
200	2	87.9	do.	C,W	D,S	Cased to bottom. Water in quicksand.
201	--	45.9	do.	C,W	D,S	Cased to bottom. Used at times by Watson School.
203	1	70.8	do.	C,W	D,S	Cased to bottom.
205	2	36.1	do.	C,W	D,S	Dug well; brick curb and casing.
206	0	73.1	Nov. 28, 1938	C,W	S	Cased to 190 feet.
207	--	--	--	C,W	D,S	Cased to 260 feet.
209	3	59.1	Nov. 29, 1938	C,W	D,S	Dug well; brick curb and casing.
211	--	56	e/	C,W	D,S	

Records of wells and springs in Gonzales County--Continued

No.	Distance from Gonzales	Survey	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)
d/212	3½ miles south	Sarah Seely	A. Bauer	C. Dubose	Hilltop	1930	45	36
213	3¼ miles south	do.	L. C. Anglin	--	Flat	1898	16	36
214	1 mile south	do.	J. B. Wells Jr.	--	Hillside	1911	600	4
215	1½ miles south	do.	H. L. Cone	--	Flat	1920	400	4
216	2 miles south	do.	George D. Dubose	A. C. Dubose	Hillside	1934	88	4
217	3 miles south	do.	Stahl Bros. Well 5	--	do.	--	22	36
218	3½ miles south	James B. Patrick	E. D. Hanzlik	--	Hilltop	--	500	4
d/220	5½ miles southwest	do.	C. Mercer	--	Flat	--	167	4
222	6½ miles southwest	Charles Fordtran	Sam Lester	-- McColough	do.	1935	111	4
223	8 miles southwest	do.	S. B. Tyree	-- Blaghorn	do.	1888	60	48
d/224	9 miles southwest	A. M. Grenage	T. W. Iley	-- Thompson	do.	1900	47	36
d/225	9½ miles southwest	do.	Wolters Bros.	-- Cardwell	do.	1903	900	4
227	10½ miles southwest	do.	B. Henry	B. Henry	do.	1898	90	36
229	11½ miles southwest	Wm. J. Bryan	L. A. Kifer	--	do.	1890	91	4
d/230	9 miles southwest	A. M. Grenage	L. B. Davis	C. C. Shannon	do.	1938	143	4
232	8 miles south	Wm. Newman	A. Kalinec	A. Kalinec	do.	1920	78	5
233	9 miles south	Richard Bibb	J. G. Gatlin	--	do.	1890	80	48
d/234	10 miles south	do.	G. E. Bradley	Geo. Tomas	do.	1913	94	4
235	do.	Sarah Hendricks	Gonzales County	--	--	1928	90	4
d/236	12 miles south	James Tennell	W. P. Vickers	--	Hilltop	--	67	4
238	12½ miles south	do.	Pat Butler	Pat Butler	Flat	1902	35	36
d/239	do.	do.	W. L. Beason	F. Howell	Hillside	--	54	3
240	do.	do.	W. C. Kellogg	do.	do.	1888	64	4
241	13 miles south	Byrd Lockhart	T. A. Plowman	The Texas Co.	Salt Flat	1928	1,200	6
d/243	14½ miles south	do.	Gonzales County	F. Howell	Hilltop	--	120	6
244	15 miles south	James Tennell	W. H. Cardwell	Gloor & Freeman	Hillside	1937	77	4
245	16 miles south	Ira Milliman	Frank Robinson	--	do.	--	74	4

J. M. Frazier, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
212	3	35.7	Nov. 29, 1938	C,W	--	Dug well; brick curb and casing.
213	3	13.2	Oct. 28, 1938	C,H	D,S	Do.
214	3	Flows	Nov. 4, 1938	None	D,S	Cased to 150 feet. Estimated yield, 1[illegible] gallons a minute.
215	--	50	e/	C,W	D,S	Cased to 150 feet.
216	2	41.9	Oct. 28, 1938	C,G, 1½	D,S, Ind	Cased to bottom; perforated below 68 feet
217	2	19.1	Nov. 4, 1938	C,W	D,S	Dug well; concrete curb and casing.
218	--	190	e/	C,W	S	
220	1	81.1	Nov. 29, 1938	C,H	S	Cased to 100 feet.
222	2	47.2	do.	C,W	S	Cased to bottom.
223	3	27.1	do.	C,G, 1½	D	Dug well; rock curb and casing.
224	2	42.9	do.	C,W	D,S	Dug well; brick curb and casing.
225	2	26.8	do.	C,W	S	Cased to 35 feet.
227	--	45.8	Nov. 28, 1938	C,W	D,S	Dug well; brick curb and casing.
229	--	46	e/	C,W,G, --	--	
230	1	38.3	Dec. 5, 1938	C,W	D,S	Cased to 115 feet.
232	--	28	e/	C,H	S	Galvanized casing.
233	--	46	e/	C,W	D	Dug well; rock curb and casing.
234	0.5	61.9	Dec. 5, 1938	C,H,G, 1	D,S	Casing perforated to bottom. Reported 3 feet drawdown after pumping 18 gallons a
235	--	62	e/	C,H	D,P	Cased to bottom. minute for 2 hours.
236	--	48	e/	C,W	D	
238	3	29.1	Oct. 21, 1938	B,H	D,S	Dug well; brick curb and casing. Water in blue sand.
239	--	48	e/	C,H	S	Bored well; cased to 50 feet. Reported weak supply.
240	2	60.6	Oct. 21, 1938	C,W	D,S	Galvanized tubing.
241	--	Flows	do.	None	N	Oil test. Estimated flow, 50 gallons a minute through 2-inch choke.
243	--	--	--	C,H	N	Cased to 90 feet.
244	--	--	--	C,W	D,S	Cased to bottom; perforated below 57 feet.
245	1	55.9	Oct. 21, 1938	B,H	D,S	

Records of wells and springs in Gonzales County-- Continued

No.	Distance from Gonzales	Survey	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)
246	17½ miles south	John Pratt	Union Ins. Co.	W. Mills	Hilltop	1913	62	4
d/248	19 miles south	Geo. Gwinn Lge.	D. L. Billings	Alex. Smith	Flat	1928	2,815	10
d/249	21 miles south	do.	Henry Buethe	--	do.	1900	48	36
250	do.	J. L. Wood	Dan Billings	--	do.	--	38	4
d/251	19½ miles south	F. Happell	Herman Kelch	--	Hilltop	1918	350	4
d/252	do.	do.	D. Mansford	--	do.	1900	120	4
253	20 miles south	Isaac Baker	Mrs. A. B. Williams	Oscar Gottschanldt	Hillside	1929	69	4
254	do.	do.	B. D. Sample	P. L. Geary	do.	1938	90	3
255	20½ miles south	do.	do.	J. A. Sample	do.	1910	148	3
256	do.	do.	M. Palmer	do.	Flat	1903	140	3
d/257	21 miles south	Peter Pate	C. C. Segrest	C. Csgutschott	Hillside	1926	100	4
258	21½ miles south	do.	J. C. Schroeder	-- Kellog	do.	1921	45	4
259	22½ miles south	do.	Henry Noelte	Henry Winkleman	Hilltop	1918	340	4
260	do.	Wm. Robertson	Adolph Hilbrich	--	Hillside	--	150	4
d/263	27½ miles south	Francisco Gonzales	M. Rantel	Sam Cowan	do.	1912	160	4
d/264	28 miles south	do.	Gonzales County	--	do.	--	76	4
265	26½ miles southwest	J. M. Whitaker	E. E. Smith	--	Flat	--	126	4
266	24 miles south	J. R. Hubert	do.	--	do.	--	87	4
267	26 miles southwest	Thomas P. Crosby	Sydney Griffin	-- Cowey	Hilltop	1908	160	4
d/268	do.	do.	do.	-- Lackey	Flat	1898	160	4
d/269	25 miles southwest	Rufus Wright	D. L. Caloway	Frank Spoonsky	do.	1935	84	5½
d/271	21½ miles southwest	G. W. Petty	E. Weakley	--	Hillside	1915	100	4
d/272	21 miles southwest	Peter Winn Lge.	T. H. Wright	--	Flat	1885	100	4
d/273	20½ miles southwest	do.	T. J. Manford	--	do.	--	110	4
274	19½ miles southwest	Wm. Small	Patterson Est.	Pioneer Oil & Gas Co.	do.	1925	2,300	8
d/275	17 miles southwest	Robert Sellers Jr.	Fred Rentz	--	do.	1920	65	4

J. M. Frazier, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
246	1	55.2	Oct. 21, 1938	C,W	D,S	Reported weak supply.
248	--	--	--	None	N	Oil test. Cased to 55 feet. See log.
249	--	38	e/	C,W	S	Dug well; rock curb and casing. Estimated yield, 3 gallons a minute.
250	2	23.1	Sept. 8, 1938	C,W,G, 1	S	Cased to bottom. Estimated yield, 3 gallons a minute.
251	0	88.9	Oct. 21, 1938	C,W	D,S	
252	0	115.0	do.	C,W	D	Cased to 100 feet. Reported weak supply.
253	--	59	e/	C,H	D	Cased to bottom. Estimated yield, 3 gallons a minute.
254	--	65	e/	C,H	S	Cased to bottom. Reported water in blue soapstone.
255	--	70	e/	C,W,G, 5	D	Estimated yield, 20 gallons a minute.
256	--	--	--	C,W	D,S	Galvanized casing.
257	--	--	--	C,W	D,S	
258	1	29.1	Sept. 8, 1938	C,W	D	Cased to bottom. Estimated yield, 3 gallons a minute. Water in sand.
259	--	270	e/	C,W	D	Cased to bottom. Reported sands at 70, 138 and 340 feet. Estimated yield, 3 gallons a
260	--	80	e/	C,W	D	Cased to bottom. Estimated yield, 1 minute. 3 gallons a minute.
263	--	145	e/	C,W	D,S	Cased to 150 feet.
264	0.5	43.9	Oct. 24, 1938	C,W	D	Cased to 70 feet.
265	--	--	--	C,W,G, --	S	
266	--	79.7	Oct. 24, 1938	C,W	S	Reported weak supply.
267	2	44.1	do.	C,W,G, --	D,S	Cased to 50 feet. Reported weak supply.
268	--	120	e/	C,W	D,S	Cased to 130 feet.
269	--	72	e/	C,W	D,S	Cased to 82 feet.
271	2	49.8	Oct. 24, 1938	C,W	D,S	Cased to 90 feet.
272	--	45	e/	C,W	D,S	Do.
273	1.5	51.9	Oct. 24, 1938	C,W	D,S	Cased to 100 feet.
274	7	Flows	Nov. 28, 1938	None	D,S,I	Oil test. Cased to 1,800 feet. Estimated flow, 1,000 gallons a minute.
275	1	43.1	do.	C,W	D,S	

Records of wells and springs in Gonzales County--Continued

No.	Distance from Gonzales	Survey	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)
276	16½ miles southwest	Robert Sellers Jr.	Bill Robinson	--	Flat	1913	85	4
277	do.	Henry Earthman	E. W. Copeland	-- Hair	do.	1919	85	5
d/278	14½ miles southwest	do.	J. M. Pouncey	--	do.	1888	30	5
279	15 miles southwest	do.	J. W. Pouncey	--	do.	1900	58	4
283	18½ miles southwest	Robert S. Armistead	J. B. Cook	--	do.	1888	30	36
284	19½ miles southwest	do.	J. D. Tankersley	--	do.	1902	290	4
285	20½ miles southwest	do.	W. L. Carway	--	do.	1903	313	4
286	22½ miles southwest	Clement Hinds	J. N. Lorenz	--	do.	1900	350	4
287	do.	do.	do.	--	do.	1910	350	5¼
288	21 miles southwest	M. Ariola 1/3 Lge.	W. H. Self Est.	--	Hilltop	1903	200	4
289	22 miles southwest	J. M. Whittaker	E. Caraway	--	do.	1928	112	4
290	22½ miles southwest	James Johnson Jr.	C. Wells	--	Flat	1873	54	48
292	do.	do.	do.	--	Creek bottoms	--	300±	4
293	22½ miles west	James Smith	T. H. Robinson	--	Flat	1913	270	4
294	23 miles west	do.	do.	--	Hilltop	1888	90	48
295	22½ miles west	do.	V. Robinson	--	--	1900	40	36
296	do.	do.	W. E. Davenport	--	Flat	--	45	36
297	22 miles west	Patrick Lynch	W. Hurt	--	do.	1919	100	4
298	21 miles west	Ezekiel M. Cullen	Price Vernon	--	do.	--	112	48
301	19 miles southwest	I. J. Goad	R. C. Linke	Ivy Bro.	do.	1938	442	4
302	18½ miles west	E. M. Cullen	S. H. Holmes	--	do.	--	441	4
303	do.	do.	Mrs. -- Barclew	-- MacCoulough	do.	--	450	--
304	do.	do.	Mrs. W. Woods	Joe Brown	do.	1894	450	4
d/305	18 miles west	do.	C. Bradford	--	do.	--	160	4
306	do.	do.	Mrs. A. E. Gilbert	--	do.	--	300	4
307	do.	do.	F. M. Caraway	--	--	1891	460	4
308	do.	do.	Mrs. J. M. Fly	--	Flat	--	170	5¼

J. M. Frazier, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
276	--	74.5	Nov. 28, 1938	C,W	D	Cased to bottom. Reported weak supply.
277	--	5	e/	C,W	D	Cased to 45 feet. Reported weak supply.
278	2	16.1	Nov. 28, 1938	C,W	D,S	Tile casing, top to bottom.
279	1	37.9	do.	C,W	D,S	Bored well.
283	--	15.3	Oct. 25, 1938	C,W,G 5/8	D,S	Dug well; tile curb; tile casing, ' to 15 feet.
284	--	Flows	Dec. 10, 1938	None	D,S	Reported slight flow.
285	--	Flows	do.	None	D,S	Cased to 2'' feet. Estimated flow, 3 gallons a minute.
286	--	Flows	Dec. 2, 1938	None	D,S	Cased to 300 f et. Estimated flow, 15 gallons a minute.
287	--	Flows	do.	None	D,S	Cased to 3'0 feet. Estimated flow, 75 gallons a minute.
288	1	49.9	do.	C,W	L,S	Cased to 13'' feet.
289	1	66.1	Nov. 10, 1938	C,H	D,S	
290	4	46.1	do.	B,H	D,S	Dug well; rock curb and casing.
292	--	Flows	do.	None	D,S	Cased to 300 feet. Estimated flow, 8 gallons a minute.
293	1	28.9	Nov. 10, 1938	B,H	S	Cased to bottom.
294	--	48.9	do.	B,H	D,S	Dug well; rock curb and casing.
295	--	28	e/	B,H	D,S	Do.
296	--	38	e/	B,H	D,S	Do.
297	--	38	e/	C,W	D	Cased to 90 feet.
298	0	78.8	Nov. 10, 1938	C,W	D,S	Dug well; rock curb and casing.
301	--	Flows	Dec. 2, 1938	None	I,S	Cased to 70 feet. Estimated flow, 1 gallon a minute.
302	--	Flows	Oct. 17, 1938	None	D,S	Estimated flow, 2'' gallons a minute.
303	--	Flows	do.	None	D,S	Estimated flow, 15 gallons a minute.
304	--	Flows	do.	None	D,S	Cased to bottom. Estimated flow, 1 gallon a minute.
305	--	Flows	do.	None	I	Do.
306	--	Flows	do.	None	D,S	Cased to bottom. Estimated flow, 4 gallons a minute.
307	--	Flows	do.	None	--	Estimated flow, 5 gallons a minute.
308	--	Flows	do.	None	D,S	Cased to bottom. Estimated flow, 1 gallon a minute.

Records of wells and springs in Gonzales County--Continued

No.	Distance from Gonzales	Survey	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)
309	18 miles west	E. M. Cullen	Mrs. J. M. Fly	--	Flat	--	170	4
310	do.	do.	F. M. Caraway	G. Boone	do.	1907	700	4
311	do.	do.	B. A. Lott	--	do.	--	160	4
312	do.	do.	M. Carpenter	A. McCuller	do.	--	162	4
313	do.	do.	G. N. Linceum	Sam Hubbard	Hillside	--	488	10
314	17⅔ miles west	Daniel Brown	C. A. Haynes	N. Morrison	Hilltop	1898	114	4
d/315	19 miles west	Jose de la Baume	C. M. Wells	-- MacColough	--	1938	330	6
316	do.	do.	do.	--	Flat	1938	324	8
d/317	do.	do.	do.	Inter-Allied Pet. Co.	do.	1938	4,100	--
318	17⅔ miles west	do.	do.	-- MacColough	do.	1923	350	3
319	do.	do.	do.	--	do.	1892	200	2
320	do.	do.	do.	-- MacColough	do.	1938	328	4
321	16 miles west	do.	J. P. Towns	--	do.	1898	400	4
322	13⅔ miles west	Washington T. Shuff	H. Griffin	L. Schott	Hilltop	1920	130	4
323	14⅓ miles west	do.	C. B. Garnet	--	Flat	--	236	4
324	16 miles west	Daniel Brown	W. C. Haynes	--	do.	1898	180	4
326	14⅔ miles southwest	do.	A. B. Caraway	Sam Hubbard	Hilltop	1916	178	4
328	13⅓ miles southwest	Wm. A. Farris	Martindale Mfg. Co.	--	do.	1913	360	4
329	12½ miles southwest	do.	M. Caraway	M. Caraway	do.	1936	86	5¼
330	12 miles southwest	Chas. Kincaid	J. H. Taylor	J. H. Taylor	Hillside	1914	85	5¼
331	11½ miles southwest	do.	C. C. Tolle	--	Flat	1923	166	4
d/332	do.	do.	W. F. Schultz	-- Brown	Hilltop	--	144	4
d/334	10½ miles southwest	Archibald Gibson	S. E. Raeke	--	do.	--	160	4
d/335	11⅔ miles southwest	Isam J. Good	E. C. Whidden	--	Flat	--	69	--
d/336	11 miles southwest	do.	L. Bauer	--	do.	--	90	4

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

J. M. Frazier, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
309	--	Flows	Oct. 17, 1938	None	D,S	Estimated flow, 2 gallons a minute.
310	--	Flows	do.	None	D,S	Do.
311	--	Flows	do.	None	D,S	Cased to bottom. Estimated flow, 4 gallons a minute.
312	--	Flows	do.	None	D,S	Cased to bottom. Estimated flow, 3 gallons a minute.
313	--	Flows	do.	None	D,S	Do.
314	--	82	e/	C,W	D,S	Cased to bottom.
315	--	Flows	Dec. 2, 1938	None	D,S	Cased to 300 feet. Estimated flow, 100 gallons a minute. Supplies fish pond.
316	--	Flows	do.	None	D,S	Do.
317	--	--	--	None	N	Oil test. See log.
318	--	Flows	Dec. 2, 1938	None	D,S	Cased to 300 feet. Estimated flow, 15 gallons a minute. Located 100 feet south of
319	--	Flows	do.	None	D,S	Cased to 10 feet. Estimated flow, oil test. 3 gallons a minute. Reported flow in 1937,
320	--	Flows	do.	None	--	Cased to 300 feet. 50 gallons a minute. Estimated flow, 40 gallons a minute.
321	1	33.2	do.	C,W	D,S	
322	2	88.0	Nov. 22, 1938	C,W	D,S	Cased to bottom.
323	0	190.1	do.	C,W	D,S	
324	1	15.9	do.	C,W	D,S	Cased to bottom. Reported flowed until about 1930.
326	2	138.6	do.	C,W	D,S	Drilled to 240 feet; cased to 170 feet.
328	1	121.1	do.	C,W	D,S	Cased to 200 feet.
329	--	60	e/	C,W	D	Cased to bottom. Water in gray sand.
330	1	76.3	Oct. 20, 1938	C,W	D,S	Cased to 30 feet. Reported weak supply.
331	2	54.9	do.	C,W	D,S	Cased to 90 feet.
332	--	43.1	do.	C,W	D,S	Cased to 100 feet.
334	--	81.9	do.	C,W	D	
335	1	60.1	Nov. 22, 1938	C,W	D,S	
336	--	62	e/	C,W	D	

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

Records of wells and springs in Gonzales County--Continued

No.	Distance from Gonzales	Survey	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)
d/337	9½ miles southwest	Archibald Gibson	L. Richter	--	Flat	1908	--	4
d/338	9 miles southwest	Gonzales C. S. L.	W. Linderman	--	Hilltop	1918	316	4
d/340	7½ miles southwest	Joseph Saracean	E. Harborth	--	do.	1903	400	4
341	8½ miles southwest	Gonzales C. S. L.	L. B. Davis	--	Flat	1914	1,800	1[illegible]
d/342	6 miles southwest	James B. Patrick	W. F. Gandre	Sam Hubbard	Hilltop	1918	500	4
d/343	do.	do.	Cost Water Works	-- MacColough	do.	1902	511	4
346	3 miles southwest	Jose Maria Salinas	Tex. Hyd. Elect. Co.	Tex. Hyd. Elect. Co.	Rolling	1937	17	24
347	do.	do.	Otto Landbeck	Otto Landbeck	do.	--	302	42
348	3¾ miles southwest	do.	V. P. Harrel	--	Draw	--	39	48
349	3¾ miles west	do.	do.	Joe Stomach	Hillside	1929	70	4
353	4¾ miles west	do.	J. J. Cleveland	John Irle	Flat	1938	76	--
354	5½ miles west	do.	Dan Nixon	Greeny Bateman	do.	1936	104	48
355	6 miles west	Green Dewitt	Math. Havel	Jack Emery	Hillside	1903	42	48
357	7½ miles west	do.	School District 33	--	Flat	--	26	42
359	do.	do.	J. C. Quinton	--	do.	1890	56	24
d/361	10 miles west	Isam J. Good	P. Brothers	L. Schott	do.	1930	320	4
d/362	9½ miles west	W. A. Sowell	A. H. Pape	J. B. Wells	do.	1875	40	48
d/365	10 miles west	do.	Towns Bros.	-- MacColough	do.	1937	360	4
366	12 miles west	John Oliver	W. G. Dullnig	W. G. Dullnig	do.	1918	39	36
367	12⅓ miles west	D. M. Stapp	Joe Smith	--	Hilltop	1929	90	4
d/368	15 miles west	Phineas James	A. E. Linke	--	do.	1938	50	--
369	14 miles west	do.	Howard Richey	H. F. MacColough	do.	1927	150	5¼
370	14½ miles west	do.	W. H. Bond	W. H. Bond	Hillside	1896	66	60
371	15 miles west	Jose de la Baume	John Bond	John Bond	Flat	1903	35	36
372	16 miles west	Ira Nash	August Kallies	Jack Emery	Hilltop	1912	65	48
373	15½ miles west	Winslow Turner	T. H. Sorrell	T. H. Sorrell	Hillside	1890	110	35

J. M. Frazier, Project Superintendent

Lc.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
337	--	60	e/	C,W	D,S	Cased to 100 feet.
338	--	60	e/	C,W	D,S	Do.
340	--	79.9	Oct. 20, 1938	C,W	D	Do.
341	--	Flows	Nov. 4, 1938	None	P,S	Oil test. Cased to 1,800 feet. Estimated flow, 200 gallons a minute. Temperature, 105° F. Supplies swimming pool. Loss through leaky casing flows into creek.
342	--	40	e/	C,W	D,S	Cased to 300 feet.
343	--	70	e/	C,W	D,S,P	Do.
346	2	13.0	Sept. 21, 1938	C,W,G, 2	D,I	Estimated yield, 3 gallons a minute.
347	2.5	10.5	do.	C,W	D	Dug well; concrete curb and casing.
348	2	15.1	Sept. 20, 1938	B,H	D	Do.
349	--	24	e/	B,H	D	Cased to bottom. Water in sand rock.
353	0	72.1	Sept. 19, 1938	None	N	Water in clay, 72 to 76 feet.
354	3	86.7	do.	C,W	S	Dug well; concrete curb; brick casing to bottom. Estimated yield, 3 gallons a minute
355	2.3	35.9	do.	C,W	D	Dug well; concrete curb; rock casing. Estimated yield, 3 gallons a minute.
357	3.3	19.1	do.	C,E, 1/3	D	Dug well; concrete curb and casing. Estimated yield, 3 gallons a minute.
359	1.8	36.9	do.	C,W	I	Dug well; rock curb and casing. Estimated yield, 2 gallons a minute from sand rock, 44 to 56 feet.
361	2	59.8	Nov. 22, 1938	C,G, 2	D,S	Cased to 200 feet.
362	--	25	e/	C,W	D	Dug well; rock curb and casing.
365	--	90	e/	C,G, 1½	D,S	Cased to bottom.
366	2	29.5	Nov. 22, 1938	C,W	D,S	Dug well; concrete curb and casing.
367	2	69.4	do.	C,W	D,S	Cased to bottom.
368	--	--	--	--	Ind	Dry when visited, Dec. 2, 1938.
369	1.3	90.1	Sept. 12, 1938	C,W,G, 4	D	Cased to bottom. Estimated yield, 3 gallons a minute from sand and gravel.
370	2.5	59.1	do.	C,W	D	Dug well; rock curb; rock casing, 0 to 10 feet. Estimated yield, 3 gallons a minute from sand.
371	3.9	20.2	do.	B,H	D	Dug well; wood curb; rock casing. Water in white sand. Reported altitude, 428 feet.
372	1.8	39.2	Sept. 14, 1938	C,W	S	Dug well; concrete curb and casing. Estimated yield, 3 gallons a minute from sand.
373	1.3	81.2	do.	C,W	D	Do.

Records of wells and springs in Gonzales County--Continued

No.	Distance from Gonzales	Survey	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)
376	14 miles west	Winslow Turner	P. H. Gosse	-- McGee	Draw	1898	150	6
379	12 miles west	Eliza Dewitt	Laval D. Brown	-- McWilliams	Hilltop	1916	303	5⅝
380	do.	do.	K. R. Towns	Ben Radle	Hillside	1917	180	4
381	11½ miles west	Ed. Dickinson	Will Dickinson	--	do.	1917	41	96
d/382	10½ miles west	Green Dewitt	L. D. Brown	--	Hilltop	--	97	96
383	10 miles west	do.	P. H. Gosse	--	Flat	--	170	4
384	9 miles west	do.	J. B. Ellis	--	Hilltop	1880	56	72
385	10 miles west	Abraham Zumwalt	H. C. Howell	Williams & Mured	do.	1925	360	4
387	10½ miles northwest	do.	Mrs. J. P. Lewis	--	do.	1900	97	4
388	13½ miles west	Thomas Decrew	Aibe Riynhell	--	Hillside	-- Spring		--
389	13 miles west	Samuel Robbins	Sam Cochran	Early Darden	do.	1937	54	72
d/391	11 miles northwest	D. Daniels	A. Otto	-- McWilliams	River bottoms	1914	395	4
392	10½ miles northwest	do.	State of Texas	--	Bottom of hill	-- Spring		--
d/393	do.	Winslow Turner	do.	Brown & Haywood Oil Co.	Swamp	1909	1,550	8
394	do.	do.	J. E. Lampkin	Haywood & Producers Oil Co.	do.	1909	3,400	4
395	11 miles northwest	do.	B. Zedler	Cecil Sampson	Hilltop	1931	400+	8
d/396	9½ miles northwest	Abraham Zumwalt	Frank Hodges	Ben Randle	do.	1918	93	4
397	9 miles northwest	do.	E. G. Denman	-- MacColough	do.	1908	340	6
398	8½ miles northwest	do.	W. S. Denman	-- McCougler	do.	1900	93	6
399	9 miles northwest	do.	J. W. Nixon	-- Reader	Creek bottoms	1907	377	4
400	8½ miles northwest	do.	R. M. Miller	R. M. Miller	Draw	1870	22	42
401	do.	do.	do.	do.	Ridge-top	1934	40	42
d/402	8 miles northwest	Jose Maria Salinas	T. N. Keese	John Ingrham	Hilltop	1909	95	4
403	do.	do.	do.	Andy Menear	do.	1912	240	4
404	7 miles northwest	do.	F. Staton	John Emery	Draw	1897	43	48
405	do.	do.	J. E. Parker	F. Disinmuke	Hillside	1894	38	48

No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
376	--	80	e/	C,G, --	D,S, Ind	Cased to bottom. Estimated yield, 5 gallons a minute. Reported altitude, 393 feet.
379	--	Flows	Sept.16, 1938	C,G, 1½	D,S,I	Cased to 200 feet. Estimated yield, 5 gallons a minute from sand. Reported altitude,
[illegible]	0	32.3	Sept.13, 1938	C,W	D	Cased to bottom. Estimated yield, 3 gallons a minute from sand. 388 feet.
381	2.1	33.1	Sept.19, 1938	C,W	D	Dug well; concrete curb and casing. Estimated yield, 3 gallons a minute from clay
382	0.5	86.2	do.	C,W	D	Dug well; rock curb and casing. and sand.
383	1	90.1	do.	C,W	S	
384	4	49.4	do.	C,W	D	Dug well; iron curb; brick casing. Estimated yield, 3 gallons a minute from sand.
385	2.5	50.4	Sept.23, 1938	C,T,G 30	D	Cased to 15[illegible] feet. Estimated yield, 3 gallons a minute from sand.
387	--	71.6	do.	C,H	S	Cased to bottom.
388	--	Flows	Sept.12, 1938	None	D,S	Estimated yield, 2 gallons a minute from seeps in red sandstone. Reported altitude,
389	2	52.8	Sept.14, 1938	B,H	D	Dug well; rock curb and casing. 401 feet.
391	--	Flows	Dec. 1, 1938	None	D,S	Cased to 2[illegible] feet. Equipped with hydraulic ram. See log.
392	--	Flows	Oct. 15, 1938	None	S	Estimated yield, 60 gallons a minute from crevice between two rocks. Known as "Sour
393	--	Flows	do.	None	N	Cased to 600 feet. Reported will Spring." barely flow but now sealed at surface. Reported altitude, 322 feet. See log.
394	--	Flows	do.	None	D,S,P	Cased to 1,530 feet. Estimated flow, 140 gallons a minute; gas bubbles aid flow.
395	--	40	e/	-,E, 5	D,S,P	Cased to 400 feet. Water in gray and white sand.
396	0	75.9	Sept.21, 1938	C,H	N	Bored well; cased to bottom.
397	--	Flows	Sept.23, 1938	None	D,S	Cased to 60 feet. Estimated flow, 50 gallons a minute.
398	0.5	73.7	Sept.21, 1938	C,W	D	Concrete curb. Estimated yield, 3 gallons a minute from white sand.
399	3	Flows	Sept.23, 1938	None	D,S	Cased to 200 feet. Measured yield, 2½ gallons a minute. Used by 15 families.
400	4	18.0	Sept.21, 1938	B,H	S	Dug well; rock curb and casing.
401	3	34.5	do.	B,H	D	Dug well; rock curb and casing. Reported failed in 1934.
402	0	92.0	do.	None	N	Bored well; cased to bottom.
403	1	93.1	do.	C,W	D	Cased to 120 feet. Estimated yield, 3 gallons a minute from sand.
404	3	93.1	Sept.22, 1938	B,H	S	Dug well; rock curb and casing. Water in sand at 6 feet.
405	3	16.0	do.	C,W	D	Dug well; rock curb and casing.

Records of wells and springs in Gonzales County--Continued

No.	Distance from Gonzales	Survey	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)
414	3⅜ miles west	Jose Maria Salinas	W. S. Wilson	--	Hillside	--	24	42
415	3½ miles west	Ben J. Duncan	E. C. Echols	-- McBride	Hilltop	1921	180	3
417	3¼ miles west	Jose Maria Salinas	E. C. Echardt	-- Shinkle	River bottoms	--	20	36
418	3 miles west	Ben J. Duncan	Mike Benes	Antone Benes	do.	1938	20	36
419	do.	Jose Maria Salinas	Root Vogel	--	Base of hill	--	20	30
420	1⅝ miles west	J. M. Murphy	Gonzales County	C. C. Shannon	River bottoms	1938	283	6¼
421	In Gonzales	Gonzales townsite	C. P. & L. Co.	Layne-Texas Co.	Hillside	1931	1,750	8½
422	3½ miles northwest	do.	J. E. Schmerber	--	Hilltop	--	81	4
423	4 miles northwest	do.	Fisher McCaty	Fisher McCaty	Hillside	1918	51	36
424	4¼ miles northwest	do.	F. Ramzinsky	Botts & Hammond	Flat	--	500	5½
d/425	do.	do.	A. W. Thanheiser	B. M. Burger	do.	--	900	--
427	5½ miles northwest	Adam Zumwalt	Clyde Smith	--	Hillside	--	91	4
428	do.	do.	L. J. Whittlesey	John Mills	Flat	1934	40	36
d/429	6 miles northwest	do.	do.	-- Johnson	Hilltop	1915	142	6
430	7½ miles northwest	do.	J. C. Barfield	Jack Emery	Flat	1910	48	48
431	do.	do.	Louis Parker	--	do.	--	36	48
432	8 miles northwest	do.	J. R. Walker	-- Anderson	do.	--	35	48
433	do.	W. A. Matthews	W. S. Botts	C. C. Shannon	Hilltop	1935	138	4
434	7 miles northwest	Adam Zumwalt	Mrs. W. Brothers	-- McWilliams	Flat	1913	600	6

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

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No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
414	3	21.1	Sept. 21, 1938	B,H	D,S	Dug well; brick and concrete curb and casing. Water in sand.
415	2.3	60.3	do.	C,W	S	Cased to 150 feet. Estimated yield, 3 gallons a minute.
417	3	18.9	Sept. 20, 1938	C,W	D,I	Dug well; concrete curb and casing. Estimated yield, 3 gallons a minute from sand.
418	3	18.7	do.	B,H	S	Dug well; brick curb and casing.
419	2.5	15.1	do.	B,H	S	Do.
420	--	Flows	Sept. 21, 1938	-,-, 1/6	D	Cased to bottom. Estimated flow, 8 gallons a minute.
421	--	Flows	Sept. 1, 1938	None	P,Ind	Cased to bottom. Reported flow when drilled, 1,120 gallons a minute.
422	1	54.8	Oct. 14, 1938	C,W	D,S	
423	3	49.9	do.	C,W	D,S	Dug well; brick curb and casing.
424	--	32.1	do.	C,W	D,S	Cased to 160 feet.
425	--	--	--	None	N	Oil test. See log.
427	1	73.9	Oct. 14, 1938	C,W	D,S	
428	4	38.1	do.	B,H	D,S	Dug well; brick curb and casing.
429	--	60	e/	C,W	D,S	Cased to bottom; perforated below 122 feet.
430	3	33.7	Oct. 14, 1938	C,W	D,S	Dug well; brick curb and casing. Water in gray sand.
431	--	30.4	do.	B,H	D,S	Dug well; rock curb and casing.
432	--	33.2	do.	B,H	D,S	Do.
433	2	58.1	do.	C,W,G, 1½	D,S	Cased to bottom; perforated below 118 feet.
434	--	Flows	Oct. 13, 1938	C,W	D,S	Cased to bottom. Estimated flow, 4 gallons a minute.

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

Table of Drillers' Logs, Gonzales County, Texas

	Thickness (feet)	Depth (feet)
Driller's log of well 2		
L. F. Kohnstadt tract, 11½ miles northwest of Gonzales.		
Sand and clay	12	12
Quicksand	323	335
Lime rock	4	339
Water sand and gumbo	71	410
Hard sand and lime rock	3	413
Gumbo, sand rock, ledges of hard sandstone and pyrites of iron	87	500
Dark-colored shale	15	515
Shale, oil	5	520
Oil sand	7	527
Gumbo	3	530
Hard lime, sand and rock	3	533
Sand and shale	8	541
Brown gumbo and shells	12	553
Hard ledges, sand and pyrites	4	557
Brown shale and shells	8	565
Hard lime rock	4	569
Sand and lime rock	45	614
Water sand	5	619
Dark-colored shale	55	674
Sandy shale, oil	20	694
Lime rock	2	696
Oil sand	2	698
Brown marl	200	898
Gumbo	3	901
Hard lime rock	6	907
Dark-gray shale	55	962
Gumbo	2	964
Hard sand rock	20	984
Oil sand	3	987
Hard sand rock	25	1012
Hard sand balls, gumbo, lime pebbles and sand, caving badly	3	1015
Hard lime and shale rock	18	1033
Hard sand rock	74	1107
Hard lime and pyrites rock	6	1113
TOTAL DEPTH		1113
Driller's log of well 4		
Empire Gas & Fuel Co., R. M. Norwood well 1, 11½ miles northwest of Gonzales.		
Surface soil	70	70
Sand and gravel	195	265
Shale	22	287
Rock	5	292
Sand	15	307
Sandy shale and boulders	38	345
Rock	2	347
Gravel	15	362
Sandy shale and boulders	49	411
Shale	14	425
Rock	3	428
Sandy shale	22	450
Rock	4	454
Shale	26	480
Rock	5	485
Shale	21	506
Sand rock	5	511
Rock	2	513
Shale	30	543
Shale and boulders	20	563
Sand and boulders	54	617
Rock	2	619
Shale	252	871
Rock	4	875
Sandy shale	10	885
Sand and shale	115	1000
Rock	3	1003
Shale and boulders	242	1245
Rock	5	1250
Sandy shale and lignite	30	1280
Rock	3	1283
Hard sand	4	1287
Shale and boulders	115	1402
Shale	9	1411
Rock	8	1419
Shale	31	1450
Rock	2	1452
Hard shale	51	1503
Hard sand and shale	49	1552
Rock	4	1556
Shale	16	1572
Rock	4	1576
Shale and boulders	111	1687
Sandy shale	8	1695
Rock	2	1697
Sand and shale	46	1743
Rock	3	1746
Shale and boulders	126	1872
Shale	268	2140
Rock	136	2276
Shale	3	2279
Hard sandy shale	12	2291
Sandy shale	36	2327
Rock	92	2419
Sandy shale	8	2427
Hard sand rock	1	2428
Hard shale and boulders	40	2468
Shale	3	2471
Sand rock	1	2472
Shale and boulders	62	2534
Rock	1	2535

(Continued on next page)

Table of Drillers' Logs, Gonzales County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 4--Continued		
Shale and boulders	159	2694
Shale	201	2895
Hard-packed shale	105	3000
Shale	569	3569
Marl	191	3760
Hard-packed sand	15	3775
Soft chalk	4	3779
Shale	260	4039
Lime	83	4122
Blue clay	45	4167
Flinty limestone	2	4169
TOTAL DEPTH		4169

CASING RECORD: 3,749 feet of 6-5/8-inch casing.

Driller's log of well 6

Cranfill and Reynolds, J. F. Webb well 1, 11 miles northwest of Gonzales.

Soil	30	30
Sand rock	50	80
Sand and gravel	198	278
Shale and boulders	62	340
Rock	2	342
Shale	10	352
Sand rock	8	360
Gravel	8	368
Shale	19	387
Sand rock	4	391
Rock	1	392
Sandy shale	30	422
Shale	50	472
Rock	6	478
Shale	2	480
Rock	5	485
Shale	21	506
Sandy rock	5	511
Rock	2	513
Shale and boulders	104	617
Rock	2	619
Hard sandy shale	97	716
Shale	36	752
Rock	4	756
Shale	66	822
Rock	5	827
Hard sandy shale	66	893
Rock	5	898
Sandy boulders	64	962
Rock	5	967
Shale and boulders	96	1063
Rock	4	1067
Sandy shale	89	1156
Rock	3	1159
Sandy shale	29	1188
Sticky shale	8	1196
Lime	6	1202
Shale and boulders	30	1232
Gumbo	14	1246
Shale and boulders	74	1320
Rock	3	1323
Hard sandy shale	64	1387
TOTAL DEPTH		4271

CASING RECORD: 296 feet of 10-inch casing.

Driller's log of well 9

L. F. Kohnstadt tract, 11 miles northwest of Gonzales.

Surface clay	20	20
Sand	15	35
Gravel	3	38
Hard-packed sandy clay	35	73
Shale and boulders	37	110
Gumbo	15	125
Sand	19	144
Rock	1	145
Shale and boulders	31	176
Gumbo	34	210
Shale and boulders	101	311
Hard-packed gumbo	59	370
Shale	20	390
Gumbo and boulders	5	395
Shale	6	401
Gumbo	43	444
Water sand	23	467
Gumbo	11	478
Sand and shale	18	496
Shale	9	505
Hard-packed gumbo	265	770
Rock, gas	6	776
Sand and shale, gas	52	828
Gumbo	15	843
Rock	1	844
Gumbo	19	863
Sand	10	873
Gumbo and sand	16	889
Sand	14	903
Gumbo	15	918
Sand	7	925
Gumbo	27	952
Sand	9	961
Gumbo	16	977
Sand	3	980
Gumbo and boulders	31	1011
Sand	16	1027
Gumbo	13	1040
Sand	19	1059
Gumbo	9	1068
Sand	15	1083

(Continued on next page)

Table of Drillers' Logs, Gonzales County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 9--Continued		
Gumbo	60	1143
Sand	26	1169
Gumbo	21	1190
Sand	13	1203
Gumbo	10	1213
Lime	3	1216
TOTAL DEPTH		4740
Driller's log of well 93		
Johnson Mattock Oil and Gas Dev. Co., Joe James well 1, 13 miles northeast of Gonzales.		
Surface clay	34	34
Sticky shale	21	55
Sandy blue shale	25	80
Limestone	2	82
Water sand	142	224
Rock	2	226
Sand and sandy shale	44	270
Rock	2	272
Sandy shale	28	300
Rock	1	301
Fine-grained sand	125	426
Hard rock	1	427
Sand and shale	37	464
Gumbo	6	470
Sand and boulders	41	511
Gumbo and sand	180	691
Hard rock	1	692
Gumbo and sand	12	704
Shale, gumbo and sand	76	780
Shale, gumbo and boulders	160	940
Gumbo, shale and sand	70	1010
Gumbo and shells	135	1145
Sand	140	1285
Gumbo	25	1310
Shale and sand	75	1385
Rock and lime	1	1386
Shale and gumbo	79	1465
Shells and boulders	110	1575
Gumbo and shale	105	1680
Shale and boulders	110	1790
Gumbo, boulders and sand	54	1844
Rock	2	1846
Shale, boulders and sand	56	1902
Gumbo	38	1940
Sand, shale and boulders	55	1995
Green sand, fossils	4	1999
Shale, boulders and sand	81	2080
Gumbo	24	2104
Shale and lime boulders	76	2180
Lime boulders, gumbo and shale	29	2209
Rock and sandy lime	3	2212
Sand	2	2214
Gumbo and shale	55	2269
Shale and lime boulders	21	2290
Shale and sand	70	2360
Hard shale, fossils	20	2380
Sand	4	2384
Sand and hard dry sand	106	2490
Shale and boulders	106	2596
Gumbo	4	2600
TOTAL DEPTH		2600
Driller's log of well 95		
Vernon Wright tract, 14 miles northeast of Gonzales.		
Red clay	29	29
Lime	17	46
Green shale	61	107
Chocolate-colored shale	23	130
Blue gumbo	15	145
Gray lime	25	170
Shale boulders	11	181
Sandy gray shale	148	329
Shelly lime rock	14	343
Gray shale	229	572
Water sand	35	607
Sandy shale, lime	81	688
Gray rock	2	690
Gray lime	26	716
Shale and sand	109	825
Lime, sandy shale	8	833
Sandy shale	103	936
Gray sand	135	1071
Brown gumbo	72	1143
Sandy gray shale	20	1163
Sand rock	29	1192
Sticky shale	21	1213
Brown shale	96	1309
Sandy shale	91	1400
Dark shale	105	1505
Dark gray lime	7	1512
Shale and sand	31	1543
Water sand	93	1636
Sand and lime rock	53	1689
Lime rock	4	1693
Sand and shale	28	1721
Sand	12	1733
Water sand	55	1788
Sandy shale	53	1841
Sandy lime	32	1873
Sand rock	17	1890
TOTAL DEPTH		1890

Table of Drillers' Logs, Gonzales County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 104		
E. Walters tract, 12 miles northeast of Gonzales.		
Sand, clay and lime	48	48
Dark-gray water sand	71	119
Black shale	29	148
Dark-gray water sand	27	175
Hard lime	5	180
Water sand	74	254
Lime	1	255
Water sand	14	269
Hard lime and pyrites	2	271
Water sand	58	329
Lime	2	331
Water sand	29	360
Sandy shale	97	457
Lime	3	460
Sandy shale	49	509
Gumbo, boulders, lignite and shale	59	568
Sandy shale and boulders	22	590
Gumbo and boulders	45	635
Sandy shale	13	648
Hard lime	3	651
Sandy shale	18	669
Hard-packed shale	44	713
Hard lime	3	716
Gumbo and boulders	89	805
Shale and boulders	53	858
Soft cream-colored lime	11	869
Broken lime	14	883
Sandy shale	86	969
Broken lime	34	1003
Sticky shale	105	1108
Green sand	77	1185
Water sand and shale	35	1220
Gumbo and boulders	98	1318
Sandy shale and boulders	190	1508
Gumbo and boulders	31	1539
Shale and boulders	130	1669
Gumbo	24	1693
Sandy shale	23	1716
TOTAL DEPTH		2526
CASING RECORD: 90 feet of 10-inch casing.		
Driller's log of well 106		
E. Walters tract, 12 miles northeast of Gonzales.		
Clay and flint boulders	45	45
Rock	1	46
Blue sand and clay	22	68
Blue clay, very little sand	89	157
Fine-grained hard-packed sandstone with water, oil and lignite	38	195

	Thickness (feet)	Depth (feet)
Driller's log of well 106--Continued		
Sand, water and oil bearing	1	196
White quartz	1	197
Fine-grained hard-packed sandstone (trace of oil)	21	218
Blue clay	2	220
Sandstone (trace of oil)	2	222
Black clay, decayed wood	6	228
Sandstone (trace of oil)	35	263
Blue marl	22	285
Quartz	1	286
Blue marl, spongy	18	304
Shale with soft strata	17	321
Hard-packed blue sandstone	18	339
Hard cement rock	39	378
Clay, sand and shell	2	380
Rock	1	381
Clay, sand and shell	2	383
Hard rock	1	384
Clay and sand (trace of oil)	21	405
Dark-blue clay and sandstone	1	406
Clay and sand	4	410
Clay and shell	53	463
Clay, little shell, thin hard rock at intervals	38	501
Shells and clay	78	579
Clay and shell (water bearing)	129	708
Hard rock	1	709
TOTAL DEPTH		709
Driller's log of well 248		
Alexander and Smith, D. L. Billings well 1, 19 miles south of Gonzales.		
Surface soil	3	3
Water sand	51	54
Rock	1	55
Broken shale	20	75
Shale	22	97
Hard-packed sand rock	7	104
Broken sand	4	108
Soft-packed sandy shale	75	183
Shale	107	290
Sandy shale	10	300
Shale	128	428
Shale and shells	230	658
Sticky shale	4	662
Shale and shells	46	708
Hard sand rock	1	709
Sand, some gas	11	72
Sticky shale	132	852
Sand	19	871
Sandy shale	129	1000
Shale	58	1058
Broken gumbo	111	1169

(Continued on next page)

Table of Drillers' Logs, Gonzales County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 248--Continued		
Shell	2	1171
Soft-packed white sand	17	1188
Sandy shale	60	1248
Sticky shale and boulders	111	1359
Sticky shale	128	1487
Shale, pyrites	13	1500
Sticky shale	88	1588
Sandy shale	67	1655
Sticky brown shale	2	1657
Sticky shale and boulders	58	1715
Lime and gumbo	25	1740
Sticky shale	29	1769
Gumbo	16	1785
Sticky shale	88	1873
Brown shale	19	1892
Sticky shale	241	2133
Shale and boulders	67	2200
Sticky shale	14	2214
Shale and boulders	26	2240
Sticky shale	182	2422
Shale and boulders	8	2430
Shale, gas	40	2470
Sandy shale	171	2641
Sticky shale	174	2815
TOTAL DEPTH		2815
CASING RECORD: 55 feet of 10-inch casing.		

Driller's log of well 317

Inter-Allied Petroleum Co., C. M. Wells well 1, 19 miles west of Gonzales.

Surface soil	5	5
Loose	5	10
Sandy red clay	10	20
Yellow sand	20	40
Gray sand	15	55
Yellow sand	20	75
Coarse-grained gray sand	215	290
Sand and shale	100	390
Sand and lignite	51	441
Sand and boulders	107	548
Loosely-packed sand	6	554
Sand and shale	50	604
Sand, shale and boulders	173	777
Shale	45	822
Sandy shale	13	835
Lignitic shale	75	910
Hard-packed sand and shale	56	966
Hard-packed sand	2	968
Shale	83	1051
TOTAL DEPTH		4100
CASING RECORD: 300 feet of 10-inch casing.		

Driller's log of well 391

A. Otto tract, 11 miles northwest of Gonzales.

	Thickness (feet)	Depth (feet)
Driller's log of well 391--Continued		
Surface and yellow clay	50	50
Blue clay, water	40	90
Gumbo and rocks	180	270
Gumbo	35	305
Water sand	90	395
TOTAL DEPTH		395

Driller's log of well 393

State of Texas, 10½ miles northwest of Gonzales.

Gray and yellow clay	18	18
Gravel	94	112
Rock	2	114
Soft-packed sand	20	134
Sand and pyrites	176	310
Sandy gray clay	23	333
Soft-packed white sand	79	412
Rocky gravel	3	415
Sand and gravel	110	525
Rock	1	526
White sand	10	536
Sticky, dark-colored gumbo	4	540
Sandy, dark-colored mud	20	560
Lime rock	2	562
Sandy mud	28	590
Rock	1	591
Soft-packed sandy clay	40	631
Hard gray rock	2	633
Sandy pink-colored clay	29	662
Sandy shale and lignite	18	680
Rock	1	681
Dark-colored gumbo	4	685
Yellow clay rock	1	686
Dark-colored shale	22	708
Rock	1	709
Dark-colored mud	5	714
Dark-gray rock	2	716
Green clay and lignite	19	735
Dark-gray fossil rocks	2	737
Dark-colored shale	64	801
Shale	4	805
Clay rock	2	807
Dark-colored brittle shale	3	810
Tough yellow clay	3	813
Dark-colored gumbo	11	824
Dark-colored brittle shale	5	829
Dark-colored soft-packed shale	141	970
Tough dark-colored gumbo	10	980
Dark-colored shale	55	1035
Shale	10	1045
Hard-packed shale	10	1055
Rock	1	1056

(Continued on next page)

Table of Drillers' Logs, Gonzales County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 393--Continued		
Shale and gumbo	104	1160
Rock	3	1163
Sandy clay	7	1170
Tough gumbo	16	1186
Sandy gray clay	10	1196
Gumbo	16	1212
Sand and lignite	26	1238
Gumbo	6	1244
Sandy shale	15	1259
Rock	1	1260
Sandy clay and shale	90	1350
Sandy gray clay	5	1355
Gumbo	5	1360
Sandy shale	90	1450
Rock	2	1452
Sand	8	1460
Shale, gumbo, sand and lignite	90	1550
TOTAL DEPTH		1550

Driller's log of well 425

W. Thanheiser tract, 4¼ miles northwest of Gonzales.

Gravel	17	17
Yellow clay	20	37
Sand and clay	10	47
Sand	37	84
Soft-packed sand rock	8	92
Gravel and sand	11	103
Shale and boulders	41	144
Hard rock, gas	12	156
Hard-packed black sand	14	170
Shale	33	203
Hard-packed sand	2	205
Sandy shale	37	242
Hard rock	1	243
Sandy shale	17	260
Gumbo	1	261
Sandy shale and boulders	42	303
Shale, gas	15	318
Gumbo	9	327
Hard rock	2	329
Gumbo	3	332
Hard rock	1	333
Sticky gumbo	8	341
Shale	5	346
Gumbo	3	349
Shale and boulders	8	357
Gumbo	13	370
Hard-packed shale	5	375
Shale and gumbo	5	380

	Thickness (feet)	Depth (feet)
Driller's log of well 425--Continued		
Water sand	52	432
Sand rock	24	456
Sand and boulders	17	473
Gumbo	6	479
Hard rock	1	480
Gumbo	6	486
Sticky shale and boulders	46	532
Gumbo	5	537
Shale	14	551
Gumbo	8	559
Sticky shale	16	575
Sandy shale	43	618
Gumbo	16	634
Sandy shale	8	642
Gumbo	3	645
Sandy shale	7	652
Gumbo	8	660
Sandy shale	65	725
Gumbo	10	735
Sand	3	738
Gumbo	11	749
Sandy shale	1	750
Shale and boulders	10	760
Mucky gumbo	18	778
Hard rock	1	779
Gumbo	4	783
Sandy shale	14	797
Sticky shale	29	826
Hard rock	2	828
Sticky shale	3	831
Gumbo	7	838
Sandy shale and boulders	48	886
Hard rock	1	887
Sandy shale	13	900
TOTAL DEPTH		900

Logs of test wells drilled by W. P. A. labor in Gonzales County, Texas
Samples examined and classified by J. M. Frazier
Project Superintendent

Well 3

Hillside, L. F. Kohnstadt tract, Winslow Turner survey, 11½ miles northwest of Gonzales.

	Thickness (feet)	Depth (feet)
Surface sand	2	2
White sand	8	10
Orange-colored sand	10	20
White sand	1	21
Orange-colored sand	25	46
Yellow sand	3	49

Water level, 37 feet below top of ground, ½ hour after hole completed.
Nov. 2, 1938.

Well 8

Hillside, L. F. Kohnstadt tract, Winslow Turner survey, 11 miles northwest of Gonzales.

	Thickness (feet)	Depth (feet)
Surface sand	1	1
Red clay and sand	3	4
Yellow clay and gravel	7	11
Sand and chalk	9	20
Red sand rock	1	21
Clay, chalk and soapstone	1	22
Soapstone	3	25
Soapstone, chalk and clay	3	28
Black sand and soapstone	13	41
Brown sand and soapstone	1	42

Nov. 2, 1938.

Well 16

Creek bottoms, John Lampkin tract, Winslow Turner survey, 10⅓ miles northwest of Gonzales.

	Thickness (feet)	Depth (feet)
Surface sand	3	3
Clay and rock	1	4
Red clay	2	6
Red and yellow clay	2	8
Yellow clay and sand	3	11
White sand and clay	3	14
Gumbo	16	30

Struck water at 7 feet. Water level, 7.12 feet below top of ground, 2 hours after hole completed.
Oct. 12, 1938.

Well 17

Hillside, Kate Barfield tract, A. W. McCamley survey, 19½ miles northwest of Gonzales.

	Thickness (feet)	Depth (feet)
Surface sand and rock	1	1
Clay	2	3
Brown clay	1	4

Well 17--Continued

	Thickness (feet)	Depth (feet)
Red sand rock	1	5
Brown sand and clay	2	7
White sand	4	11
Mottled sand	2	13
White and yellow sand	1	14
Yellow sand	1	15
Mottled sand	1	16
Brown sand	2	18

Struck water at 15 feet. Water level, 15 feet below top of ground, 2 hours after hole completed.
Oct. 12, 1938.

Well 21

Hilltop, W. N. Lum tract, Russell Ward survey, 11 miles northwest of Gonzales.

	Thickness (feet)	Depth (feet)
Surface soil	1	1
Clay and gravel	1	2
Gray clay	2	4
Gray clay and sand	2	6
White sand	3	9
White sand and clay	1	10
Yellow sand	1	11
White sand	1	12
Clay and sand	1	13
White sand	4	17
Yellow sand and clay	1	18
Yellow sand	2	20
Clay	1	21
White sand	5	26
Yellow sand	1	27
Sand and clay	1	28
White sand	1	29

October 12, 1938.

Well 32

Hillside, J. H. Sims tract, Russell Ward survey, 10 miles north of Gonzales.

	Thickness (feet)	Depth (feet)
Surface sand	1	1
Red clay and sand	1	2
Yellow sand	3	5
Rock		5

October 9, 1938.

Well 33

Flat, Carl Bouldin tract, Russell Ward survey, 9½ miles north of Gonzales.

	Thickness (feet)	Depth (feet)
Surface sand	2	2
Red sand, clay and rock	4	6
Brown sand	17	23
White sand	2	25
Brown sand	1	26

(Continued on next page)

Logs of W. P. A[illegible]t wells in Gonzales County--Continued

	Thickness (feet)	Depth (feet)
Well 33--Continued		
White sand - - - - -	9	35
Brown sand - - - - -	3	38
Rock - - - - - -		38
Oct. 9, 1938.		
Well 34		
Creek bottoms, Alf Newby tract, Russell Yard survey, 9 miles northwest of Gonzales.		
Surface soil - - - -	1	1
Clay - - - - -	3	4
Brown clay and rock - -	1	5
Yellow clay and rock - -	5	10
Yellow and red clay - -	2	12
Brown clay - - - -	1	13
Red sand and clay - -	1	14
White sand and clay - -	8	22
Rock - - - - - -		22
Oct. 11, 1938.		
Well 36		
Flat, Gonzales County Schools, Russell Yard survey, 9 miles northwest of Gonzales.		
Surface soil - - - - -	1	1
Black loam - - - - -	3	4
Chalk and clay - - - -	2	6
Chalk and brown clay - -	3	9
Gravel and brown clay - -	1	10
Soapstone clay and gravel -	3	13
Yellow sand and chalk - -	3	16
Brown clay soapstone - -	2	18
Brown sand - - - - - -	1	19
Brown sand and clay - - -	2	21
Rock - - - - - - -		21
Oct. 11, 1938.		
Well 38		
Flat, M. Tietschert tract, J. T. C. Henderson survey, 7 miles north of Gonzales.		
Surface sand - - - - -	1	1
Red sand and clay - - -	3	4
Rock gravel - - - - -	1	5
Red sand - - - - -	1	6
Yellow sand - - - - -	1	7
Brown sand and clay - - -	1	8
White sand - - - - - -	8	16
Yellow sand - - - - -	1	17
Yellow and white sand - -	4	21
White sand - - - - -	1	22
Yellow sand - - - - -	5	27
Mottled sand - - - - -	1	28
Mottled sand and some clay -	1	29
Quicksand - - - - - -		29
Struck water at 21 feet. Water level, 21 feet below top of ground, 24 hours after hole completed. Oct. 7, 1938.		
Well 39		
Flat, B. Botts tract, J. T. C. Henderson tract, 5½ miles north of Gonzales.		
Surface gravel - - - -	2	2
Green clay and chalk - -	2	4
Brown clay - - - - -	3	7
Gray and brown clay - - -	3	10
Clay and soapstone - - -	3	13
Brown clay - - - - -	3	16
Brown clay and soapstone -	1	17
Brown clay - - - - -	2	19
Soapstone and clay - - -	2	21
Soapstone and clay - - -	5	26
Oct. 7, 1938.		
Well 42		
Creek bottoms, John Hancock tract, B. Botts survey, 4⅞ miles north of Gonzales.		
Surface soil - - - - -	2	2
Surface soil and clay - -	1	3
Yellow clay - - - - -	2	5
Soapstone - - - - - -	3	8
Soapstone and clay - - -	4	12
Yellow clay - - - - -	1	13
Soapstone - - - - -	3	16
Red and brown clay and sand	1	17
Soapstone and snuff-colored sand - - - - - -	1	18
Red clay and sand - - -	1	19
Soapstone - - - - -	1	20
Oct. 7, 1938.		
Well 49		
Hilltop, J. E. Parker tract, F. O. Menkin survey, 2 miles north of Gonzales.		
Surface sand - - - -	2	2
Red sand and gravel - - -	2	4
Red and white sand - - -	2	6
Red and yellow sand - - -	2	8
Red, yellow and white sand - - - - - -	1	9
Yellow sand - - - - -	1	10
Brown sand - - - - -	2	12
Red sand - - - - -	1	13
Yellow sand - - - - -	3	16
Yellow and white sand - -	1	17
Yellow and red sand - - -	1	18
Brown sand - - - - -	1	19
Brown and white sand - -	1	20
Brown sand - - - - -	2	22
White sand - - - - -	1	23
Brown and yellow sand - -	6	29
Brown sand - - - - -	2	31
White and brown sand - -	9	40
Yellow and white sand - -	3	43

(Continued on next page)

Logs of W. P. A. test wells in Gonzales County--Continued

	Thickness (feet)	Depth (feet)
Well 49--Continued		
Yellow, brown and white sand	3	46
Red sand	2	48
Oct. 9, 1938.		
Well 50		
Creek bottoms, H. H. Hansford tract, Gonzales town lots, 1 mile north of Gonzales.		
Surface soil	1	1
Clay and sand	6	7
Clay	1	8
Rock	1	9
Clay	3	12
Rock		12
Sept. 29, 1938.		
Well 54		
Hillside, George White tract, Gonzales town lots, 3⅗ miles northeast of Gonzales.		
Red clay	2	2
Clay	11	13
Clay and sand	11	24
Clay	7	31
Clay and chalk	2	33
Clay	1	34
Clay and sand	2	36
Sand	6	42
Gumbo	3	45
Oct. 3, 1938.		
Well 57		
Hillside, A. C. Bowens tract, Andrew Zumwalt survey, 4½ miles northeast of Gonzales.		
Surface sand	1	1
Brown clay	2	3
Brown clay and chalk	2	5
White sand	2	7
White clay	1	8
White sand	7	15
Yellow sand and clay	3	18
Clay	1	19
White sand	1	20
Yellow sand	1	21
White sand	2	23
White sand and clay	3	26
Clay	13	39
Clay and gumbo	1	40
Gumbo	4	44
Gray sand and clay	3	47
Rock		47
Oct. 3, 1938.		
Well 66		
Creek bottoms, Fred Scheske tract, Andrew Winters survey, 6½ miles north of Gonzales.		
Surface soil and clay	1	1
Clay and gravel	2	3
Yellow clay and gravel	4	7
Clay	2	9
Soapstone and clay	3	12
Yellow clay	2	14
Soapstone and shale	6	20
Soapstone	3	23
Brown clay and sand	2	25
Rock		25
Nov. 1, 1938.		
Well 67		
Flat, E. Holt tract, Jas. McKenzie survey, 7 miles north of Gonzales.		
Surface clay	2	2
Yellow clay	4	6
Clay and chalk	1	7
Soapstone	5	12
Sand	2	14
Clay	2	16
Sand	1	17
Clay and soapstone	1	18
Clay and sand	1	19
Soapstone	19	38
Nov. 1, 1938.		
Well 69		
Hilltop, Gonzales County lands, Lyman Pease survey, 9 miles north of Gonzales.		
Surface soil	1	1
Gumbo	3	4
Brown soapstone	1	5
Gray soapstone	6	11
Yellow clay	5	16
Pink and red clay	3	19
Sandstone	1	20
Mottled sand	7	27
Soapstone, clay and sand	5	32
Nov. 1, 1938.		
Well 92		
Hillside, H. H. Thompson tract, Turner Barnes survey, 15⅗ miles northeast of Gonzales.		
Surface soil	2	2
Rock	1	3
Sand and clay	4	7
Sand	2	9
Rock		9
Dec. 12, 1938.		

Logs of W. P. A. test wells in Gonzales County--Continued

Well 96

Hilltop, B. M. Harris tract, H. Bridges survey, 13½ miles northeast of Gonzales.

	Thickness (feet)	Depth (feet)
Surface sand	1	1
Clay and soapstone	2	3
Clay and sand	1	4
Clay and soapstone	1	5
Brown clay and sand	1	6
Clay	3	9
Yellow and brown sand	2	11
Clay and brown sand	1	12
White sand	2	14
White sand and clay	2	16
Red sand and clay	1	17
Brown sand and clay	1	18
Brown and yellow clay	1	19

Oct. 6, 1938.

Well 97

Hillside, B. M. Harris tract, H. Bridges survey, 13½ miles northeast of Gonzales.

	Thickness (feet)	Depth (feet)
Surface sand	1	1
Sandstone and clay	1	2
Orange clay	1	3
Gray clay	1	4
Brown and yellow clay	1	5
Gray clay and sand	2	7
White sand	1	8
Yellow clay and rock	1	9
Rock		9

Oct. 5, 1938.

Well 108

Flat, Clem Martin tract, Mary Ann William survey, 11 miles northeast of Gonzales.

	Thickness (feet)	Depth (feet)
Surface sand	1	1
Surface sand and clay	1	2
Clay and sand	2	4
Clay	4	8
White sand	13	21
Yellow sand	1	22
White sand	7	29
White sand and clay	1	30
Yellow sand and clay	4	34

Struck water at 26 feet. Water level, 3[illegible].1 feet below top of ground, 4 hours after hole completed. Oct. 5, 1938.

Well 109

Flat, V. C. Deaton tract, C. Cotton survey, 11 miles northeast of Gonzales.

	Thickness (feet)	Depth (feet)
Surface sand	2	2
Clay and soil	1	3
Sand and chalk	2	5
Chalk and clay	4	9

Well 109--Continued

	Thickness (feet)	Depth (feet)
Clay	1	10
Brown chalk	3	13
Sand and clay	1	14
White sand	4	18
Yellow sand	1	19
Yellow sand and clay	1	20
Clay and chalk	4	24
White sand	1	25
White sand and yellow clay	4	29
White sand	4	33
White sand and brown clay	2	35
White sand	3	38
Black and white sand	2	40

Struck water at 38 feet. Water level, 38.7 feet below top of ground, 21 hours after hole completed. Oct. 5, 1938.

Well 115

Flat, L. D. Buchanan tract, Sam'l McCoy survey, 8½ miles northeast of Gonzales.

	Thickness (feet)	Depth (feet)
Surface sand	1	1
Clay	2	3
Clay and sand	1	4
Brown sand	6	10
Yellow sand	2	12
White sand	1	13
Yellow sand	1	14
White sand	1	15
Yellow sand	2	17
White sand	16	33
Yellow sand	6	39
White sand	5	44
Yellow sand	2	46
Yellow sand and clay	5	51
Quicksand		51

Struck water at 48 feet. Water level, 48 feet below top of ground 16 hours after hole completed. Sept. 29, 1938.

Well 121

Flat, -- Hinton tract, Andrew Zumwalt survey, 4 miles northeast of Gonzales.

	Thickness (feet)	Depth (feet)
Surface sand and clay	1	1
Brown clay	2	3
Brown clay and white sand	3	6
White sand	8	14
Brown and white sand	1	15
White sand	9	24
White and yellow sand	1	25
White sand	1	26
White sand and clay	6	32
White sand	6	38
Brown clay	6	44

Oct. 6, 1938.

Logs of W. P. A. test wells in Gonzales County--Continued

	Thickness (feet)	Depth (feet)

Well 122

Hilltop, State of Texas, Gonzales town lots, 2¼ miles northeast of Gonzales.

Surface soil	3	3
Clay	1	4
Clay and sand	3	7
Clay	1	8
Clay and sand	6	14
White sand	2	16
Brown sand	1	17
White sand	1	18
Brown sand	3	21
White sand	1	22
Red and brown sand	1	23
Red and brown sand and clay	1	24
Brown and white sand	24	48
Brown clay	2	50
Brown clay and sand	2	52

Sept. 26, 1938.

Well 123

Flat, M. S. Spooner tract, Gonzales town lots, 1½ miles northeast of Gonzales.

Surface clay	5	5
Clay	10	15
Sand	4	19
Clay and soapstone	9	28
Black soapstone	1	29
Clay	1	30
Soapstone	1	31
Black clay and sand	4	35

Nov. 23, 1938.

Well 124

Hillside, Mrs. M. S. Spooner tract, Gonzales town lots, 1[3] miles northeast of Gonzales.

Surface sand and earth	2	2
Clay and sand	2	4
White sand	7	11
Rock	1	12

Sept. 27, 1938.

Well 126

Hilltop, Frank Schautteet tract, Eli Mitchell survey, 3½ miles northeast of Gonzales.

Surface sand	1	1
Sand and clay	1	2
Caving sand	1	3
Gravel, clay and sand	2	5
Brown sand	1	6
Brown sand and gravel	1	7
Brown and yellow sand	3	10
Shale, clay and sand	1	11

	Thickness (feet)	Depth (feet)

Well 126--Continued

Shale	2	13
Clay	1	14
Shale	2	16
Shale and sand	6	22
White sand	6	28
Shale and sand	6	34
Shale and clay	2	36

Nov. 8, 1938.

Well 128

Hilltop, R. Moransee tract, Eli Mitchell survey, 4½ miles northeast of Gonzales.

Surface clay	2	2
Shale, sand and clay	7	9

Nov. 15, 1938.

Well 130

Flat, Calvin Larrmore tract, Eli Mitchell survey, 4[3] miles northeast of Gonzales.

Surface clay	1	1
Clay and sand	2	3
Clay and shale	1	4
White sand	2	6
Rock		6

Nov. 8, 1938.

Well 131

Flat, Rich Freeze tract, Eli Mitchell survey, 5 miles northeast of Gonzales.

Surface sand	8	8
Brown sand	5	13
Brown and white sand	5	18

Water level, 12.4 feet below top of ground, 1 hour after hole completed.

Nov. 16, 1938.

Well 132

Flat, W. D. Lowe tract, G. W. Franklin survey, 7 miles northeast of Gonzales.

Surface sand	1	1
Clay	1	2
Clay and sand	1	3
Clay and chalk	2	5
Clay and gravel	2	7
Sand	2	9
Rock	1	10
White sand	3	13

Nov. 15, 1938.

Well 133

Flat, Della McCain tract, S. Haines survey, 8 miles northeast of Gonzales.

Surface sand	1	1
Clay and sand	3	4

(Continued on next page)

Logs of W. P. A. test wells in Gonzales County--Continued

	Thickness (feet)	Depth (feet)
Well 133--Continued		
Clay sand and shale	4	8
Sand	9	17
Clay		17
Water level, 9.1 feet below top of ground, 2 hours after hole completed. Nov. 16, 1938.		
Well 134		
Hillside, C. O. Pogue tract, Jos. Smith survey, 9 miles northeast of Gonzales.		
Surface sand	2	2
Sand and clay	4	6
Clay	6	12
Clay and sand	2	14
Sand	6	20
Gumbo and clay	2	22
Dec. 10, 1938.		
Well 137		
Flat, Gonzales County lands, Edw. Hughart survey, 10 miles northeast of Gonzales.		
Surface sand	3	3
Coarse-grained sand	1	4
Clay and sand	1	5
Red sand and clay	1	6
Sand and clay	3	9
Blue clay and sand	1	10
Gravel and sand	2	12
Sand	7	19
Water level, 9.8 feet below top of ground, 1 hour after hole completed. Nov. 16, 1938.		
Well 138		
B. E. Davis tract, Isaac D. Bradley survey, 10½ miles east of Gonzales.		
Surface soil	1	1
Clay	4	5
Sand	7	12
Clay and shale	4	16
Dec. 12, 1938.		
Well 139		
Flat, J. W. Bailey Est., Russell Ward survey, 11 miles northeast of Gonzales.		
Surface sand	4	4
Sand and gravel	2	6
Sand	10	16
Dec. 10, 1938.		
Well 140		
Flat, G. W. Cooper tract, Jno. J. Hueser survey, 14 miles east of Gonzales.		
Surface soil	2	2
Loam and sand	3	5
Sand and clay	5	10
Chalk and clay	2	12
Sand	3	15
Water level, 11.5 feet below top of ground, 2 hours after hole completed. Nov. 16, 1938.		
Well 143		
-- Herrickest tract, Jas. M. Everett survey, 12½ miles east of Gonzales.		
Black surface soil	1	1
Gray sand	2	3
Caliche	1	4
Chalk rock	5	9
Chalk, clay and sand	5	14
Yellow clay	1	15
Rock		15
Oct. 26, 1938.		
Well 155		
Hillside, Earl Smith tract, R. M. Green survey, 4⅓ miles east of Gonzales.		
Surface soil	1	1
Clay	1	2
Clay and sand	1	3
White sand	5	8
Yellow sand	12	20
White sand	1	21
White and yellow sand	1	22
Clay	3	25
Yellow clay and sand	1	26
Soapstone and shale	5	31
Soapstone	2	33
Soapstone and shale	1	34
Gumbo	1	35
Shale	4	39
Yellow clay	1	40
Oct. 26, 1938.		
Well 164		
Hillside, R. Littlefield tract, Jos. D. Clements survey, 13 miles east of Gonzales.		
Surface soil and rock	1	1
Coarse-grained sand and rock	3	4
Fine-grained white sand	1	5
Chalk and sand	1	6
White sand	3	9
Yellow clay and sand	2	11
Yellow sand and rock	2	13
White sand	6	19
Rock		19

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Logs of W. P. A. test wells in Gonzales County--Continued

	Thickness (feet)	Depth (feet)
Well 164--Continued		
Struck water at 14 feet. Water level, 14.6 feet below top of ground, 4 hours after hole completed. Oct. 26, 1938.		
Well 177		
Hilltop, H. Smith tract, E. R. Plummer survey, 11⅓ miles southeast of Gonzales.		
Surface clay	2	2
Chalk and sand	8	10
Chalk	1	11
Chalk, shale and sand	17	28
Sand	5	33
Rock		33
This test made 100 Yds. west of oil derreck where an oil test is supposed to be drilled, Hines-Oil, Co. Oct. 27, 1938.		
Well 179		
Hilltop, Eli Freeman tract, Jas. M. Manning survey, 10 miles southeast of Gonzales.		
Surface clay	3	3
Chalk rock	22	25
Nov. 21, 1938.		
Well 182		
Flat, John Hammond tract, Byrd Lockhart survey, 9 miles southeast of Gonzales.		
Surface sand	3	3
Clay and sand	1	4
Gray sand	3	7
Gray sand and chalk	4	11
Clay and shale	1	12
Nov. 9, 1938.		
Well 184		
Flat, L. D. Dubose tract, Byrd Lockhart survey, 8½ miles southeast of Gonzales.		
Surface soil	3	3
Sand and clay	4	7
Clay	19	26
Sand	4	30
Dec. 5, 1938.		
Well 185		
Flat, L. D. Dubose tract, Byrd Lockhart survey, 8½ miles southeast of Gonzales.		
Surface dirt	2	2
Clay	6	8
Clay and sand	6	14
Sand	4	18
Sand and clay	6	24
Dec. 5, 1938.		

	Thickness (feet)	Depth (feet)
Well 188		
Flat, George Hinton tract, Jos. Dillard survey, 8½ miles southeast of Gonzales.		
Surface clay	1	1
Clay and soil	1	2
Soil and sand	1	3
Clay and sand	2	5
White sand	24	29
Brown sand	1	30
Yellow sand	1	31
White sand	2	33
Yellow sand	2	35
Clay	1	36
Clay and sand	2	38
Nov. 9, 1938.		
Well 190		
Flat, George Hinton tract, Jos. Dillard survey, 9 miles south of Gonzales.		
Surface clay	2	2
Clay and chalk	4	6
Clay and sand	4	10
Clay	1	11
Clay, shale and sand	12	23
Brown sand, some clay	5	28
White sand	4	32
Yellow sand	8	40
White sand	1	41
Mottled sand	11	52
Nov. 18, 1938.		
Well 191		
Hillside, George Hinton tract, Jos. Dillard survey, 9½ miles south of Gonzales.		
Surface sand	1	1
Clay and sand	3	4
Sand	14	18
Rock and sand	1	19
Clay and sand	6	25
Nov. 21, 1938.		
Well 192		
Hillside, Key Carson tract, Wilson Simpson survey, 11½ miles south of Gonzales.		
Surface clay	2	2
Brown sand	2	4
Chalk	3	7
Sand	2	9
Chalk and clay	19	28
Rock		28
Oct. 27, 1938.		

Logs of W. P. A. test wells in Gonzales County--Continued

	Thickness (feet)	Depth (feet)

Well 195

Flat, -- Albert tract, A. J. Denson survey, 15½ miles south of Gonzales.

Surface sand	3	3
Sand and clay	2	5
Marl and clay	5	10
Coarse-grained sand	4	14
Marl and clay	2	16
Blue sand and clay	1	17
Green sand and chalk	1	18
Sand	3	21

Water level, 19.2 feet below top of ground, 1 hour after hole completed. Nov. 25, 1938.

Well 197

Hillside, W. P. Lord tract, Mary Cogswell survey, 15 miles south of Gonzales.

Surface soil	1	1
Gray clay	1	2
Buff-colored clay and chalk	5	7
Soapstone and clay	15	22
Clay	1	23
Yellow clay	2	25
Gray clay	2	27
Clay and gumbo	4	31
Black shale and gumbo	3	34

Oct. 27, 1938.

Well 202

Creek bottoms, S. Dubose tract, Jno. Waddy survey, 7 miles south of Gonzales.

Surface sand	1	1
Sand	4	5
Dark-colored sand	1	6
White sand	6	12

Water level, 5.1 feet below top of ground, 1 hour after hole completed. Nov. 25, 1938.

Well 204

Flat, C. Dubose tract, Jno. Waddy survey, 6½ miles south of Gonzales.

Surface sand	2	2
Clay and sand	2	4
Sand	5	9
Clay	5	14
Sand	1	15
Clay	2	17
Sand	3	20
Sand and clay	5	25
Sand	16	41

Nov. 25, 1938.

Well 208

Flat, Kent Dubose tract, Jonothan Cottle survey, 4[illegible] miles south of Gonzales.

Surface soil	6	6
Clay and chalk	1	7
Clay, chalk and sand	1	8
Brown sand	1	9
Clay, chalk and sand rock	7	16
Clay and sand	5	21
Gray sand and clay	7	28

Water level, 12.9 feet below top of ground, 4 hours after hole completed. Nov. 9, 1938.

Well 210

Flat, Henry Est., Nathaniel Osborns survey, 5 miles south of Gonzales.

Surface sand	1	1
Soapstone and clay	2	3
Sand, clay and soapstone	10	13
White sand	7	20
Yellow sand	1	21
White sand	1	22
White and brown sand	25	47
Yellow sand	2	49
White sand	3	52

Oct. 21, 1938.

Well 219

Flat, Stahl Bros. tract, Jas. B. Patrick survey, 4½ miles southwest of Gonzales.

Surface soil	2	2
Sand	10	12
Sand and clay	2	14
Sand	3	17
Sand and gravel	2	19

Struck water at 15 feet. Water level, 40.8 feet below top of ground, 4 hours after hole completed. Oct. 29, 1938.

Well 221

Flat, -- Mercher tract, Chas. Fordtran survey, 6 miles southwest of Gonzales.

Surface clay	3	3
Red sand	1	4
Sand	6	10
Sand and clay	1	11
Sand	35	46

Nov. 28, 1938.

Well 226

Flat, M. B. Henry tract, A. M. Grenage survey, 10 miles southwest of Gonzales.

Surface sand	2	2
Clay and soapstone	6	8
Sand	17	25

(Continued on next page)

Logs of W. P. A. test wells in Gonzales County--Continued

	Thickness (feet)	Depth (feet)
Well 226--Continued		
Sand and clay	2	27
Blue sand	7	34
Water level, 27.8 feet below top of ground, 2 hours after hole completed. Nov. 28, 1938.		
Well 228		
Flat, E. Robinson tract, A. M. Grenage survey, 10½ miles southwest of Gonzales.		
Surface sand	1	1
Sand and clay	3	4
Clay and gravel	2	6
Clay and sand	7	13
White sand	1	14
Brown clay and sand	2	16
White sand	3	19
White sand and clay	8	27
Brown sand and clay	4	31
Gumbo	3	34
Struck water at 28 feet. Water level, 28.1 feet below top of ground, 2 hours after hole completed. Oct. 25, 1938.		
Well 231		
Flat, Iran Sauers tract, Wm. Newman survey, 8 miles south of Gonzales.		
Surface sand	1	1
White sand	3	4
Yellow sand	1	5
White sand and clay	4	9
Rock	1	10
Sand, rock and clay	2	12
Brown and white sand	5	17
Brown water sand	2	19
Blue sand	12	31
Struck water at 17 feet. Water level, 16.5 feet below top of ground, 2 hours after hole completed. Oct. 21, 1938.		
Well 237		
Flat, Pat Butler tract, Jas. Tennell survey, 12½ miles south of Gonzales.		
Surface clay and sand	2	2
Clay and sand	2	4
White sand and clay	11	15
Gray clay, sand and gravel	5	20
Black sand, sulphur	4	24
Struck water at 2[illegible] feet. Water level, 17.8 feet below top of ground, 2 hours after hole completed. Oct. 21, 1938.		
Well 242		
Hillside, Henry Cardwell tract, Byrd Lockhart survey, 14 miles south of Gonzales.		
Surface sand	3	3
Clay and sand	1	4
Sand rock	12	16
Coarse-grained sand and rock, with some chalk-	4	2[illegible]
Rock		2[illegible]
Oct. 24, 1938.		
Well 247		
Flat, Etta Billings tract, Geo. Gwinn league, 18½ miles southwest of Gonzales.		
Surface sand	1	1
Brown sand	1	2
White sand and rock	10	12
Yellow sand	1	13
White sand and rock	3	16
Rock		16
Oct. 24, 1938.		
Well 261		
Ridge-top, Gustav Hilbrich tract, Wm. Robertson survey, 23 miles south of Gonzales.		
Surface sand	1	1
Black loam	1	2
Black loam and sand	1	3
White chalk	1	4
White chalk and sand	2	6
White sand	1	7
Red clay and sand	3	1[illegible]
White chalk and some sand	1	11
White sand	4	15
White sand rock	1	16
White sand	4	20
Yellow sand	3	23
Sand and gravel	1	24
Yellow sand	1	25
Gray sand and gravel	1	26
Yellow sand and chalk	1	27
Gray sand and chalk	1	28
Yellow sand	1	29
Purple-colored sand	1	30
Gray sand	1	31
Yellow sand	2	33
Gray sand	1	34
Brown sand	1	35
Sept. 6, 1938.		
Well 262		
Draw, Ella Tennell tract, Wm. Robertson survey, 24 miles south of Gonzales.		
Surface sand	1	1
Sandy loam	4	5
Black loam and sand	2	7

(Continued on next page)

Logs of W. P. A. test wells in Gonzales County--Continued

	Thickness (feet)	Depth (feet)
Well 262--Continued		
Sand and clay	5	12
Sand, gravel and clay	1	13
Yellow sand and clay	2	15
White sand and some clay	1	16
Yellow sand	1	17
Yellow sand and gravel	4	21
White sand	2	23
Yellow sand	5	28
Brown and yellow sand	10	38
Sept. 6, 1938.		
Well 270		
Flat, Albert Copeland tract, Geo. W. Petty survey, 22½ miles southwest of Gonzales.		
Surface soil	1	1
Surface soil and sand	1	2
White sand	7	9
White sand and gravel	4	13
Soapstone and clay	15	28
Oct. 24, 1938.		
Well 280		
Flat, J. B. Cook tract, Gonzales County School Land, 16 miles southwest of Gonzales.		
Surface sand and gravel	1	1
Red clay	3	4
Yellow clay and sand	2	6
Chalk and sand	1	7
Clay and sand	3	10
White sand	1	11
Yellow clay and sand	4	15
Yellow clay and chalk	3	18
Gray clay and sand	4	22
Clay and soapstone	14	36
Brown sand	1	37
Caliche	1	38
Clay, sand and soapstone	4	42
Rock		42
Oct. 25, 1938.		
Well 281		
Hillside, Ira Caraway tract, Gonzales County School Land, 18 miles southwest of Gonzales.		
White sand	6	6
White sand and gravel	1	7
Red clay and gravel	1	8
Red clay	1	9
Red clay and gravel	1	10
Red clay, sand and gravel	1	11
Yellow sand	1	12
Yellow sand and chalk	2	14
Red sand	1	15
Yellow sand	2	17
Yellow sand and gravel	1	18
Yellow sand	2	20
Yellow sand and clay	5	25
Yellow and gray sand	7	32
Sept. 8, 1938.		
Well 282		
Hillside, -- Cook tract, Rob't. S. Armistead survey, 18 miles southwest of Gonzales.		
Surface sand	2	2
Dry white sand	3	5
Sand, clay and gravel	3	8
Yellow and brown sand and clay	2	10
Yellow sand and clay	2	12
White sand and clay	2	14
White and brown sand and soapstone	1	15
Soapstone	8	23
Black shale and gumbo	10	33
Oct. 25, 1938.		
Well 291		
Slope, C. Wells tract, Jas. Johnson Jr. survey, 22½ miles southwest of Gonzales.		
Surface sand	1	1
Brown clay	3	4
Brown sand	2	6
White sand	3	9
Brown sand	2	11
White sand	1	12
Gray clay	1	13
Shale	1	14
White sand	1	15
Brown sand and rock	3	18
White sand	8	26
Brown sand	3	29
Brown shale	1	30
White sand	2	32
Nov. 10, 1938.		
Well 299		
Hilltop, Mrs. -- Hoover tract, Daniel McCoy survey, 20 miles southwest of Gonzales.		
Surface sand	1	1
Red sand	1	2
Brown sand	2	4
Yellow sand	3	7
Clay	1	8
White sand	2	10
Yellow sand	1	11

(Continued on next page)

Logs of W. P. A. test wells in Gonzales County--Continued

	Thickness (feet)	Depth (feet)
Well 299--Continued		
White sand and clay	3	14
White sand	3	17
Nov. 10, 1938.		

Well 300

Hilltop, John Stewart tract, T. S. Treadwell survey, 19½ miles southwest of Gonzales.

Surface sand	4	4
Red sand	1	5
Clay and shale	1	6
Yellow clay and rock	3	9
Nov. 10, 1938.		

Well 325

Hilltop, Mrs. Long Leesville tract, Daniel Brown survey, 15⅓ miles southwest of Gonzales.

Surface sand and clay and red rock	2	2
Brown loam and red sand	1	3
Red sand	1	4
Purple-colored sand	1	5
Red and yellow sand	1	6
Yellow sand	1	7
White sand and some clay	2	9
Brown sand	1	10
White and yellow sand	11	21
Brown sand	3	24
Yellow sand	1	25
Brown sand	7	32
Rock		32

Struck water at 28 feet. Water level, 29.3 feet below top of ground, 1 hour after hole completed. Oct. 17, 1938.

Well 327

Hillside, Alex Skinner tract, Geo. W. Brazeale survey, 14 miles southwest of Gonzales.

White sand	3	3
Red clay	2	5
Yellow clay	1	6
White sand and yellow clay	2	8
Gray sand and yellow cla	1	9
Yellow sand	1	10
White sand	17	27
Brown sand	1	28
Light-yellow sand	4	32
Sept. 8, 1938.		

Well 333

Flat, A. A. Reake tract, L. Roberts survey, 10½ miles southwest of Gonzales.

	Thickness (feet)	Depth (feet)
Well 333--Continued		
Surface loam	1	1
Black soil	2	3
Black soil and clay	1	4
Yellow clay	4	8
Gray clay and soapstone	6	14
Yellow clay and soapstone	2	16
Yellow clay and gravel	1	17
Soapstone	1	18
Yellow clay	1	19
Yellow clay and soapstone	4	23
Soapstone and clay	2	25
Yellow sand and clay	8	33

Struck water at 32 feet. Water level, 30 feet below top of ground, 1 hour after hole completed. Oct. 17, 1938.

Well 339

Flat, H. Clude tract, Gonzales County School Land, 8½ miles southwest of Gonzales.

Surface soil	3	3
Clay	3	6
Clay and soapstone	7	13
Sand and clay	1	14
Clay and rock	2	16
Yellow clay and rock	2	18
Soapstone	4	22
Yellow sand and clay	2	24
Soapstone	1	25
Soapstone and sand	1	26
Soapstone and rock	1	27
Soapstone	1	28
Soapstone	3	31
Soap, clay and rock	2	33
Rock		33

Struck water at 32 feet. Water level, 31.8 feet below top of ground, 48 hours after hole completed. Oct. 17, 1938.

Well 344

Slope, J. E. Cook tract, Jas. B. Patrick survey, 5 miles southwest of Gonzales.

Surface clay	3	3
White sand	12	15
Yellow sand	1	16
White sand	3	19
Clay	6	25
Clay and sand	2	27
Soapstone	5	32
Gumbo	3	35
Rock		35

Oct. 20, 1938.

Logs of W. P. A. test wells in Gonzales County--Continued

	Thickness (feet)	Depth (feet)
Well 345		
Hillside, Milton Lindemann tract, Jas. B. Patrick survey, 5 miles southwest of Gonzales.		
Surface soil	2	2
Clay and rock	2	4
Clay, soapstone and shells	1	5
Yellow clay and shells	1	6
Clay, soapstone and shells	2	8
Clay and shells	1	9
Soapstone and shells	8	17
Soapstone, clay and shells	3	20
Soapstone and gumbo	2	22
Red clay and rock	1	23
Soapstone and shells	1	24
Clay and sand	2	26
Clay and gumbo	1	27
Gumbo	4	31
Gray sand	1	32
Gumbo	10	42
Rock		42
Oct. 20, 1938.		

	Thickness (feet)	Depth (feet)
Well 350		
Draw, J. J. Cleveland tract, Jose Maria Salinas survey, 3½ miles west of Gonzales.		
Black dirt	1	1
Black soil and clay	1	2
Gray clay	2	4
Yellow clay	1	5
Yellow clay and sand	1	6
Clay	2	8
Yellow clay and gravel	1	9
Brown clay and rock	1	10
Yellow clay and sand	4	14
Yellow clay, rock and sand	3	17
Yellow clay and sand	1	18
Mottled clay	2	20
Clay	5	25
Gumbo and clay	1	26
Clay	1	27
Gumbo	1	28
Yellow clay	1	29
Black gumbo	1	30
Black gumbo and clay	1	31
Gumbo	1	32
Gray sand	6	38
Sept. 16, 1938.		

	Thickness (feet)	Depth (feet)
Well 351		
Flat, F. H. Keifer tract, Jose Maria Salinas survey, 4½ miles west of Gonzales.		
White chalk	2	2
Gray clay	2	4
Clay and chalk	1	5
Red sand	1	6
Yellow clay	1	7
Clay and chalk	3	10
Yellow clay	1	11
Clay and chalk	4	15
Yellow clay	5	20
Brown soapstone	1	21
Gray clay and soapstone	6	27
Yellow clay	3	30
Yellow clay and sand	1	31
Yellow soapstone	3	34
Mottled clay	1	35
Gray clay	1	36
Mottled clay	5	41
Red rock	1	42
Gumbo and clay	4	46
Sept. 20, 1938.		

	Thickness (feet)	Depth (feet)
Well 352		
Flat, F. H. Keifer tract, Jose Maria Salinas survey, 4½ miles west of Gonzales.		
Black dirt and clay	1	1
Gumbo and clay	1	2
Dirt, clay and chalk	1	3
Clay and chalk	1	4
Sept. 19, 1938.		

	Thickness (feet)	Depth (feet)
Well 356		
Draw, Math Havel tract, Green Dewitt survey, 6 miles west of Gonzales.		
Brown sand	1	1
Brown and yellow sand	1	2
Yellow sand and clay	2	4
Clay	1	5
Clay and sand	1	6
White and yellow sand	2	8
Yellow sand	1	9
Rock		9
Sept. 19, 1938.		

	Thickness (feet)	Depth (feet)
Well 358		
Hilltop, Mavel Griffing tract, Green Dewitt survey, 7½ miles west of Gonzales.		
Black dirt	1	1
Gray dirt	3	4
Gray dirt and clay	6	10
Brown clay and some gravel	7	17
Dark-brown clay with water	4	21
Clay and sand	3	24
Struck water at 21 feet. Water level, 19 feet below top of ground, 1 hour after hole completed. Sept. 16, 1938.		

Logs of W. P. A. test wells in Gonzales County--Continued

	Thickness (feet)	Depth (feet)
Well 360		
Hilltop, Clyde Boothe tract, Green Dewitt survey, 8½ miles west of Gonzales.		
Black dirt	1	1
Brown dirt	1	2
Yellow clay and chalk	2	4
Gray sand and chalk	1	5
White chalk	1	6
Yellow clay and chalk	1	7
Yellow sand	1	8
Chalk rock	1	9
Rock		9
Sept. 13, 1938.		
Well 363		
Base of hill, Towns Bros. tract, L. D. Sowell survey, 9½ miles west of Gonzales.		
Surface sand	3	3
Clay and sand	3	6
Sand	4	10
Clay	3	13
Red sand	1	14
Clay	1	15
Red sand	3	18
Brown sand	1	19
White sand	2	21
White sand and clay	1	22
Black sand	5	27
Rock	1	28
Struck water at 22 feet. Water level, 21.5 feet below top of ground, 2 hours after hole completed. Nov. 22, 1938.		
Well 364		
Flat, Towns Bros. tract, W. D. Sowell survey, 10 miles west of Gonzales.		
Surface sand	3	3
Fine-grained white sand	1	4
Brown sand	6	10
Clay	4	14
Clay and red sand	3	17
Clay	1	18
Sand and clay	4	22
Soapstone	5	27
Coarse-grained white sand	1	28
Brown sand and rock	3	31
Struck water at 28 feet. Water level, 27.4 feet below top of ground, 2 hours after hole completed. Nov. 22, 1938.		
Well 374		
Hillside, Jake Nesloney tract, Winslow Turner survey, 14½ miles west of Gonzales.		
Brown sand	1	1
Red clay and gravel	3	4
Rock		4
Sept. 12, 1938.		
Well 375		
Draw, H. Sowell tract, Winslow Turner survey, 14 miles west of Gonzales.		
Brown sand	1	1
Light-brown sand	1	2
Light-red sand	1	3
Yellow sand	1	4
Tan-colored sand and rock	1	5
Red sand and rock	1	6
Rock		6
Sept. 12, 1938.		
Well 377		
Hillside, Pete Gosse tract, Winslow Turner survey, 14 miles west of Gonzales.		
Black dirt	3	3
Gray sand and clay	7	10
Yellow clay	2	12
Yellow clay and gravel	2	14
Yellow clay and chalk	1	15
Yellow clay and gravel	2	17
Struck water at 16 feet. Water level, 15.1 feet below top of ground, 4 hours after hole completed. Sept. 12, 1938.		
Well 378		
Hillside, W. H. Howard tract, Eliza Dewitt survey, 13 miles west of Gonzales.		
Brown sand	1	1
Red clay	1	2
Yellow clay and sand	2	4
Yellow clay, sand and gravel	1	5
Yellow clay and sand	3	8
White clay and chalk	1	9
Yellow clay, chalk and sand	2	11
Yellow clay and sand	2	13
Yellow clay and chalk	5	18
Yellow clay and sand	8	26
Yellow sand, clay and chalk	3	29
White clay and sand	3	32
Yellow sand	1	33
Gray clay	1	34
Gray sand	1	35
Gravel	1	36
Gravel and clay, water	1	37
Struck water at 36 feet. Sept. 12, 1938.		

Logs of W. P. A. test wells in Gonzales County--Continued

	Thickness (feet)	Depth (feet)

Well 386

Hillside, Gonzales County School District 14, Abraham Zumwalt survey, 10 miles northwest of Gonzales.

Surface sand	1	1
Surface sand and clay	2	3
Brown clay	1	4
Yellow and gray clay	1	5
Gray clay	1	6
Gray and yellow clay	1	7
Sand and yellow clay	4	11
Sand and yellow rock	6	17
Sand, yellow rock and clay	1	18
Rock	1	19
Yellow sand and clay	4	23
Clay and sand	6	29
Gray clay	3	32
Clay and gumbo	1	33
Gumbo	8	41
Green sand	2	43
Loam	1	44
Loam and clay	1	45
Rock		45

Sept. 23, 1938.

Well 390

Flat, Dudley Bell tract, Stephen Smith survey, 14½ miles northwest of Gonzales.

Sand loam	2	2
Clay and red sand	1	3
Red sand	1	4
Red and white sand, water	4	8
Clay and sand	2	10
Mottled clay and sand	5	15
Gray chalk	1	16
Gray clay and red sand	2	18
Red sand	1	19
Brown clay	1	20
Gray clay	3	23

Struck water at 19 feet. Water level, 16 feet below top of ground, 1 hour after hole completed. Sept. 16, 1938.

Well 406

Hillside, Frank Straton tract, Jose Maria Salinas survey, 7 miles northwest of Gonzales.

Surface sand	1	1
Brown sand	1	2
White sand	23	25
White and yellow sand	3	28
Clay and yellow sand	6	34
Gray sand	5	39
Gray sand and clay	5	44
Gumbo, sand and clay	2	46

Struck water at 29 feet. Sept. 22, 1938.

	Thickness (feet)	Depth (feet)

Well 407

Flat, Jane Johnson tract, Jose Maria Salinas survey, 7 miles northwest of Gonzales.

Surface sand	1	1
Clay and sand	1	2
Clay sand and rock	1	3
Sand and rock	2	5
Red sand rock	2	7
Red sand rock and clay	1	8
Clay and gravel	1	9
Red sand	1	10
Yellow sand	1	11
White sand	3	14
White and yellow sand	3	17
Brown sand	3	20
Brown and yellow sand	3	23
Gray and yellow water sand	1	24
Sand	2	26
Red and brown sand	3	29

Struck water at 23 feet. Water level, 20.8 feet below top of ground, 19 hours after hole completed. Sept. 22, 1938.

Well 408

Hillside, Walter Johnson tract, Jose Maria Salinas survey, 7 miles northwest of Gonzales.

Unknown (old well)	13	13
Clay	1	14
White sand	1	15
Yellow clay	2	17
Sand	5	22
Sand and clay	1	23
Sand	1	24
Sand and clay	2	26
Clay	5	31
Yellow clay	1	32
Yellow clay and chalk	2	34

Sept. 28, 1938.

Well 409

Draw, Frank Straton tract, Jose Maria Salinas survey, 6 miles northwest of Gonzales.

Surface soil	1	1
Surface soil and clay	2	3
Clay	2	5
Yellow clay	12	17
Yellow clay and sand	3	20
Clay	2	22
Yellow and brown clay	3	25
Blue clay	4	29

Struck water at 25 feet. Water level, 19.13 feet below top of ground, 3 hours after hole completed. Sept. 28, 1938.

Logs of W. P. A. test wells in Gonzales County--Continued

	Thickness (feet)	Depth (feet)
Well 410		
Hillside, Lon Smith tract, Jose Maria Salinas survey, 5½ miles northwest of Gonzales.		
Gray and yellow clay	1	1
Gray and yellow sand	1	2
Gray sand	2	4
Gray clay and sand	3	7
Rock, clay and yellow sand	1	8
Gray clay and sand	7	15
Gray sand and yellow sand rock	1	16
Gray clay and sand	3	19
White sand and clay	2	21
Yellow sand	3	24
White sand and clay	1	25
Yellow and white sand	4	29
White sand	2	31
Sept. 20, 1938.		
Well 411		
Flat, S. Staton tract, Jose Maria Salinas survey, 5 miles west of Gonzales.		
Surface sand	2	2
Sand	4	6
Gravel	1	7
Sand	5	12
Clay	1	13
Sand	6	19
Struck water at 17 feet. Water level, 17.8 feet below top of ground, 1 hour after hole completed. Dec. 13, 1938.		
Well 412		
Flat, -- Nelson tract, Jose Maria Salinas survey, 4½ miles northwest of Gonzales.		
Surface soil	3	3
Clay and soil	2	5
Clay	4	9
Clay and sand	3	12
Sand	5	17
Gumbo	3	20
Sand	2	22
Shale	4	26
Rock		26
Dec. 9, 1938.		
Well 413		
Base of hill, Mrs. A. Jahn tract, Jose Maria Salinas survey, 4½ miles west of Gonzales.		
Red clay and gravel	1	1
Clay and sand	1	2
Gray sand and clay	1	3
Yellow clay	1	4
Clay	6	10
Clay and sand	2	12
Clay, sand and gravel	2	14
Gumbo	7	21
Gumbo and gravel	1	22
Green sand and gumbo	7	29
Gumbo and rock	1	30
Gumbo	2	32
Rock		32
Struck water at 12 feet. Sept. 20, 1938.		
Well 416		
Hillside, Mrs. A. Jahn tract, Jose Maria Salinas survey, 4 miles west of Gonzales.		
Clay	2	2
Mottled clay	9	11
Gray chalk	3	14
Gray sand and clay	2	16
Gray clay	1	17
Gumbo	16	33
Gumbo and chalk	1	34
Rock		34
Sept. 21, 1938.		
Well 426		
Hillside, R. E. Conitus tract, F. E. Wood survey, 5 miles northwest of Gonzales.		
Surface sand and gravel	1	1
Sand rock	1	2
Sand rock and clay	1	3
Sand and clay	6	9
Sand, clay and chalk	6	15
White sand	5	20
Brown sand	4	24
White sand	1	25
Yellow sand	9	34
Yellow sand and marl	4	38
Yellow and white sand	6	44
Nov. 2, 1938.		

Partial analyses of water from wells in Gonzales County, Texas

(Analyzed at The University of Texas under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry, and E. W. Lohr, Chemist, U. S. Department of the Interior, Geological Survey; by D. F. Riddell, and H. T. Davidson, Chemists; Martin Wieland, Jack Ramsey and D. C. Ebner, Assistant Chemists. Nitrate and fluoride determined by E. W. Lohr. Results are in parts per million. Well numbers correspond to numbers in table of well records.)

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
1	John Cochran	84	Dec. 12, 1938	475	39	19	110	6	36	260	8	-	177
5	W. C. Meek	115	Oct. 12, 1938	373	58	17	33	0	182	83	b/	-	215
7	L. F. Kohnstadt	77	do.	745	-	-	-	6	298	188	b/	-	-
10	W. Wiley	20	Oct. 14, 1938	2,230	206	116	411	512	161	652	442	-	992
11	J. N. Lampkin	2,200	do.	2,318	22	6	920	1,175	a/	790	b/	-	79
12	do.	800	do.	218	47	10	22	171	35	20	b/	-	156
13	do.	900	do.	281	28	5	76	195	35	41	b/	0	88
14	do.	1,500	do.	275	27	2	81	201	12	54	b/	0	76
15	do.	1,148	Oct. 12, 1938	321	87	10	11	134	103	44	b/	-	256
16	W. P. A. test	30	do.	2,727	359	87	371	-	1,665	245	b/	-	1,254
17	do.	18	do.	1,724	205	79	223	-	852	365	b/	0.3	838
18	J. C. Barfield	180	do.	291	79	10	11	146	75	44	b/	-	236
19	James Lampkin	18	do.	2,904	-	-	-	195	1,170	695	b/	-	-
22	L. Herschep	Spring	Oct. 11, 1938	347	39	18	51	18	154	76	b/	-	171
23	C. A. Gray	Spring	do.	74	10	5	6	43	5	12	b/	-	43
24	C. P. & L. Co.	125	do.	-	-	-	-	-	674	121	b/	-	-
25	A. Bouldin	140	do.	2,172	494	82	94	390	1,070	240	b/	-	1,570
26	A. W. Caperton	107	Oct. 9, 1938	955	148	12	170	305	361	114	b/	-	417
27	C. H. Hoover	115	do.	275	65	18	11	110	27	100	b/	-	236
28	W. G. Bouldin	103	do.	889	176	30	80	122	346	197	b/	-	564
29	H. E. Bowels	224	do.	460	72	33	55	268	58	110	b/	0	315
30	J. R. Halbrook	89	Oct. 11, 1938	575	86	37	65	232	179	94	b/	-	368
31	S. W. Shott	35	Oct. 12, 1938	3,353	451	213	366	317	1,407	760	b/	-	2,002
37	J. Duncan	46	Oct. 11, 1938	1,751	184	43	372	378	614	352	b/	-	637
38	W. P. A. test	29	Oct. 7, 1938	-	104	46	552	860	456	290	72	1.1	448
40	B. Botts	146	do.	278	30	8	58	18	61	112	b/	-	110
41	M. P. Reed	315	do.	653	86	53	63	201	250	102	b/	-	433
43	Remschel Bros.	350	do.	1,223	104	53	249	238	442	258	b/	0.1	478
44	Mrs. A. Buchholtz	315	do.	556	-	-	-	110	127	183	b/	-	-
45	A. H. Ebel	195	do.	502	41	19	114	79	115	174	b/	-	182
46	H. M. Simon	300	do.	589	32	17	159	128	138	175	b/	0	150

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

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
47	Paul Adolf	400	Oct. 7, 1938	1,190	5	2	489	842	a/	280	b/	1.2	21
48	John Hancock	448	do.	740	23	12	239	159	138	250	b/	-	107
51	B. L. Lawrence	49	Sept.29, 1938	594	111	19	51	146	50	100	191	-	357
52	Mrs. Max Schurig	84	do.	2,141	248	71	406	458	705	480	6	0	909
56	E. V. Ellis	59	do.	2,129	-	-	-	317	615	670	b/	-	-
58	Mrs. B. Kucharczyk	41	do.	609	-	-	-	220	99	172	b/	-	-
59	W. B. Terrell	557	do.	682	5	2	259	342	87	151	b/	0.4	21
60	H. L. Kone	107	do.	2,513	260	74	427	0	1,507	245	b/	0.7	956
61	do.	551	do.	2,723	255	89	463	0	1,824	92	b/	0.2	1,004
62	Sam Mathews	44	do.	6,338	735	307	977	0	1,939	2,350	b/	-	3,100
64	Vern Crozier	232	Nov. 1, 1938	1,415	111	57	310	122	417	460	b/	0.3	510
65	Fred Scheske	84	do.	4,914	940	280	319	171	1,591	1,700	b/	-	3,502
68	D. F. Orts	376	do.	540	59	25	94	61	174	158	b/	0.2	250
70	John Zak	265	do.	378	47	16	64	61	99	122	b/	-	185
71	W. S. Atkinson	5,700	do.	416	45	15	92	256	84	54	b/	0.1	174
72	H. C. Jowers	36	Nov. 14, 1938	1,592	237	94	176	317	110	540	279	0.3	978
73	B. Ham	43	Oct. 9, 1938	1,577	153	74	333	31	77	925	b/	-	685
74	Ed. Owen	76	do.	1,038	176	48	104	134	416	228	b/	-	639
75	Marian Harper	45	Oct. 11, 1938	4,520	775	198	483	329	1,507	1,390	5	-	2,752
77	H. A. Porter	160	Oct. 6, 1938	577	58	24	106	85	230	117	b/	-	245
78	J. C. Griffin	65	do.	534	23	28	85	55	46	275	b/	-	297
79	Mrs. D. A. Gunn	165	do.	393	45	12	82	104	87	116	b/	-	162
80	R. A. Bradfield	400	do.	886	110	54	110	153	396	141	b/	0	498
81	W. Ballard	400	Oct. 5, 1938	1,164	86	47	259	183	377	305	b/	-	409
82	Vern C. Crozier	16	do.	297	-	-	-	189	67	30	b/	-	-
83	O. B. Robinson	Spring	do.	322	46	24	39	214	73	35	b/	-	215
84	Tom Henderson	413	do.	3,923	510	173	580	98	1,388	1,220	b/	0	1,988
85	City of Waelder	511	Oct. 4, 1938	506	50	17	111	207	142	84	b/	-	195
86	S.P.R.R.	720	do.	677	60	22	148	201	258	90	b/	0	238
89	C. F. Moore	55	Oct. 5, 1938	2,842	599	94	204	354	1,249	520	b/	-	1,884
9C	Jim Robinson	120	do.	1,201	174	38	204	329	298	325	b/	-	594
94	A. Martin	170	Oct. 4, 1938	1,675	-	-	-	317	436	510	b/	-	-
98	B. M. Harris	23	Oct. 3, 1938	1,239	191	41	187	317	392	272	b/	-	645
99	E. L. Walters	45	Oct. 4, 1938	636	100	24	62	67	157	92	168	-	350

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
100	J. C. Parr	200	Oct. 4, 1938	1,713	157	48	366	329	720	260	b/	-	590
101	M. D. Parr	40	do.	1,972	285	48	313	323	872	295	b/	0	910
102	do.	40	do.	1,002	-	-	-	305	330	180	b/	-	-
103	Doc Martin	56	do.	2,413	353	94	304	293	1,228	290	b/	-	1,268
107	Mrs. Clem Martin	40	do.	355	27	11	103	329	18	34	b/	-	112
108	W. P. A. test	34	Oct. 5, 1938	6,455	1,179	307	626	207	1,566	2,670	b/	-	4,210
109	do.	40	do.	4,960	627	307	464	0	3,132	430	b/	-	2,830
110	Public School District 46	190	Oct. 3, 1938	321	39	11	63	122	58	76	b/	0.5	142
111	Mrs. H. C. Cook	87	do.	1,007	126	38	187	140	146	425	b/	0.2	474
112	S. H. Smith	205	do.	2,136	242	68	385	244	922	395	b/	0	882
113	Mrs. S. Champion	46	do.	261	40	7	49	165	38	37	b/	-	129
114	G. H. Gordon	207	Sept. 27, 1938	1,328	119	42	285	256	516	240	b/	0.3	471
115	W. P. A. test	51	Sept. 29, 1938	1,062	191	28	136	92	308	345	b/	0.3	592
116	O. C. DuBose	46	do.	2,970	444	105	468	232	577	1,240	22	0	1,540
117	A. F. Hardcastle	108	do.	2,108	311	75	318	299	647	610	b/	0	1,087
118	A. G. Heins	78	do.	1,214	164	45	188	128	456	298	b/	-	592
119	R. G. Adams	64	do.	2,889	494	116	226	73	1,903	114	b/	-	1,712
120	L. F. Christian	65	do.	2,120	223	104	314	12	975	395	103	0.5	984
125	E. Ryter	82	Nov. 15, 1938	1,785	166	47	393	110	580	545	b/	-	609
127	B. A. Floyd	104	do.	2,003	277	79	303	244	674	550	b/	-	1,018
129	O. V. Walker	98	do.	940	175	32	102	201	337	195	b/	-	570
131	W. P. A. test	18	Nov. 16, 1938	1,593	115	35	438	6	92	910	b/	-	431
133	do.	17	do.	7,368	890	145	1,517	415	1,972	2,640	b/	-	2,820
135	W. P. Woods	17	Nov. 15, 1938	4,313	262	47	1,240	98	955	1,740	23	0.4	850
136	C. Williams	13	do.	227	38	9	24	92	30	20	61	-	131
137	W. P. A. test	19	Nov. 16, 1938	3,285	341	65	791	98	320	1,720	b/	-	1,120
140	do.	15	do.	1,136	-	-	-	397	504	62	b/	-	-
142	School Dist. 7 Gonzales Co.	25	Oct. 26, 1938	373	113	2	23	305	25	26	34	-	291
150	-- Fitzgerald	54	do.	1,399	84	11	400	415	540	160	b/	-	258
151	A. Simersky	250	do.	3,519	226	13	961	159	1,581	660	b/	0.2	618
152	H. Kennard	167	do.	2,616	431	35	439	195	701	910	b/	0	1,221
153	C. P. Goodwin	76	do.	1,761	214	13	368	305	801	215	b/	-	588

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
154	R. A. Walcheck	135	Oct. 26, 1938	1,560	118	14	409	140	561	380	b/	-	354
156	W. L. Wallace	306	Oct. 28, 1938	1,273	184	27	217	293	501	200	b/	0.3	572
159	Kent DuBose	156	do.	804	80	18	204	372	116	203	b/	-	271
160	W. T. Johnson	24	Oct. 26, 1938	-	-	-	-	-	40	43	b/	-	-
161	Aloise Marek	47	do.	1,145	225	16	173	207	116	500	b/	-	630
162	Kokernot School	49	do.	569	-	-	-	342	32	89	79	-	-
163	F. M. Baros	49	do.	799	189	16	84	317	22	285	47	-	540
164	W. P. A. test	19	do.	504	142	4	47	348	20	120	b/	-	373
165	Dreyer School	128	Oct. 28, 1938	896	90	10	235	311	148	260	b/	0	266
166	George Turk	50	do.	455	-	-	-	323	12	94	20	0.1	-
168	do.	23	do.	667	146	13	68	342	18	104	150	-	418
170	J. Dryer	23	do.	244	59	7	9	92	18	25	81	-	174
171	E. Freeman	125	do.	658	80	9	169	390	28	180	b/	-	236
172	John Steen	80	do.	501	68	10	119	415	28	72	b/	-	211
173	School Dist. 2	26	do.	667	138	13	98	366	68	170	b/	-	398
175	Clyde Boothe	Flows	do.	1,292	18	4	501	671	44	395	b/	0	63
176	J. A. Steen	165	do.	748	132	11	139	299	44	275	b/	-	377
180	A. Hammond	48	do.	1,534	220	27	277	256	501	370	b/	-	662
193	W. C. Spieckerman	87	Nov. 29, 1938	1,674	258	21	313	336	344	525	48	-	733
198	O. Zimmerman	170	do.	4,190	704	72	612	61	1,562	1,210	b/	0	2,054
200	W. Weber	98	do.	514	104	10	78	220	32	182	b/	-	301
201	L. Maloch	90	do.	483	56	9	119	342	84	47	b/	-	176
203	Max Roeber	245	do.	1,608	182	28	327	171	672	315	b/	-	573
206	W. D. DuBose	200	Nov. 28, 1938	3,854	318	47	944	183	1,541	910	b/	-	990
207	L. D. Dubose	275	Oct. 28, 1938	1,880	192	56	392	305	612	475	b/	0.3	709
208	W. P. A. test	28	Nov. 9, 1938	10,379	900	271	2,290	31	3,843	3,060	b/	-	3,365
209	O. E. Wendel	69	Nov. 29, 1938	533	72	8	113	116	67	192	24	-	210
211	J. Stomach	100	do.	2,646	362	118	371	329	1,018	615	b/	-	1,392
213	L. C. Anglin	16	Oct. 28, 1938	488	114	19	33	329	48	40	72	-	362
214	J. B. Wells, Jr.	600	Nov. 4, 1938	2,097	10	3	856	1,342	a/	560	b/	-	37
215	H. L. Cone	400	do.	498	49	16	127	372	37	86	b/	0.2	190
216	George D. DuBose	88	Oct. 28, 1938	393	63	25	48	262	84	44	b/	-	260
217	Stahl Bros.	22	Nov. 4, 1938	995	164	27	138	317	101	210	199	-	522
218	E. D. Hanzlik	500	do.	4,957	22	5	1,955	1,049	41	2,450	b/	1.4	78

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
219	W. P. A. test	19	Oct. 29, 1938	552	71	24	92	281	94	65	67	0.9	275
222	Sam Lester	111	Nov. 29, 1938	309	33	7	71	37	30	144	b/	0.2	109
223	S. B. Tyree	60	do.	320	23	7	84	98	26	88	44	-	84
226	W. P. A. test	34	Nov. 28, 1938	2,474	339	75	430	256	654	850	b/	-	1,156
227	B. Henry	90	do.	1,989	229	66	357	195	786	455	b/	-	846
228	W. P. A. test	34	Oct. 25, 1938	1,303	203	28	303	61	464	375	b/	-	622
229	L. A. Kifer	91	Nov. 28, 1938	2,640	385	128	855	110	973	665	b/	-	1,488
231	W. P. A. test	31	Oct. 21, 1938	3,807	143	38	1,223	586	785	1,330	b/	0.5	514
232	A. Kalinec	78	Nov. 29, 1938	3,443	518	96	520	244	1,243	940	b/	-	1,690
233	J. G. Gatlin	80	do.	196	16	6	55	159	14	27	b/	-	64
235	Gonzales County	90	do.	181	16	6	48	134	12	33	b/	0.4	64
237	W. P. A. test	24	Oct. 21, 1938	6,727	613	105	1,690	220	1,301	2,910	b/	-	1,964
238	Pat Butler	35	do.	1,669	150	19	466	354	100	760	b/	0	452
240	W. C. Kellogg	64	do.	1,564	77	10	468	354	580	255	b/	-	236
241	T. A. Plowman	1,200	do.	10,888	62	19	4,220	954	a/	6,110	b/	0.5	232
244	W. H. Cardwell	77	do.	1,573	113	10	434	226	520	385	b/	0.4	326
245	Frank Robinson	74	do.	1,523	43	18	543	549	a/	640	b/	0.8	181
246	Union Ins. Co.	62	do.	2,136	203	38	486	342	841	400	b/	-	664
250	Dan Billings	38	Sept. 8, 1938	3,989	256	10	1,106	159	1,694	845	b/	-	681
253	Mrs. A. B. Williams	69	do.	1,020	173	13	196	531	142	235	b/	-	488
254	B. D. Sample	90	do.	2,799	374	32	620	293	339	1,290	b/	0	1,065
255	do.	148	do.	587	60	8	149	281	131	100	b/	0.6	185
256	M. Palmer	140	Oct. 21, 1938	1,517	235	18	299	238	220	628	b/	-	661
258	J. C. Schroeder	45	Sept. 8, 1938	704	148	10	98	317	134	158	b/	0.3	411
259	Henry Noelte	340	Sept. 6, 1938	819	120	6	177	342	166	182	b/	0	324
260	Adolph Hilbrich	150	Sept. 8, 1938	829	185	11	91	140	208	265	b/	-	507
265	E. E. Smith	126	Oct. 28, 1938	2,433	391	40	402	146	681	840	b/	-	1,144
266	do.	87	Oct. 24, 1938	2,063	-	-	-	220	561	690	b/	-	-
267	Sydney Griffin	160	do.	920	166	19	153	384	92	280	20	1.2	492
274	Patterson Est.	2,300	Nov. 28, 1938	250	49	14	27	201	36	25	b/	0.1	178
276	Bill Robinson	85	do.	754	75	24	158	122	237	200	b/	-	285
277	E. W. Copeland	85	do.	1,384	206	45	245	171	119	685	b/	-	697
279	J. W. Pouncey	58	do.	273	18	5	76	79	61	74	b/	-	68
283	J. B. Cook	30	Oct. 25, 1938	312	23	10	66	30	28	90	80	-	101

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date collected	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
287	J. N. Lorenz	350	Dec. 2, 1938	492	32	9	145	281	94	74	b/	0	116
288	W. H. Self Est.	200	do.	411	60	19	65	177	82	98	b/	-	227
289	E. Caraway	112	Nov. 10, 1938	652	83	31	108	268	195	103	b/	-	334
290	C. Wells	54	do.	503	90	21	71	232	43	164	b/	-	313
292	do.	300	do.	376	69	14	46	165	112	54	b/	0.1	229
293	T. H. Robinson	270	do.	637	98	27	102	336	112	133	b/	0.1	357
294	do.	90	do.	363	76	9	40	183	13	67	68	-	226
295	V. Robinson	40	do.	284	-	-		232	30	33	b/	-	-
296	W. E. Davenport	45	do.	384	-	-	-	275	34	71	b/	-	-
297	W. Hurt	100	do.	501	86	18	81	287	49	126	b/	0.1	286
298	Price Vernon	112	do.	774	102	26	121	43	329	175	b/	-	361
301	R. C. Linke	442	Dec. 2, 1938	477	55	25	84	201	120	94	b/	0.2	240
302	S. H. Holmes	441	Oct. 17, 1938	404	60	20	50	207	107	56	b/	-	233
303	Mrs. -- Barclew	450	do.	405	60	22	58	220	103	54	b/	0	238
304	Mrs. W. Woods	450	do.	317	62	17	34	244	52	32	b/	-	225
306	Mrs. A. E. Gilbert	300	do.	456	66	22	74	262	91	74	b/	-	253
307	F. M. Caraway	460	do.	518	70	24	84	244	143	77	b/	-	275
308	Mrs. J. M. Fly	170	do.	460	-	-	-	232	119	65	b/	-	-
309	do.	170	do.	499	59	25	84	207	159	70	b/	0	251
310	F. M. Caraway	700	do.	436	62	23	68	250	91	69	b/	0.4	249
311	B. A. Lott	160	do.	475	-	-	-	232	115	78	b/	-	-
312	M. Carpenter	162	do.	447	64	23	71	262	91	69	b/	-	254
313	G. N. Linceum	488	do.	329	70	17	29	238	60	36	b/	-	245
314	C. A. Haynes	114	do.	993	101	48	178	244	357	189	b/	-	450
316	C. M. Wells	324	Dec. 2, 1938	64	9	1	14	18	11	21	b/	0.1	25
318	do.	350	do.	83	10	2	19	24	17	24	b/	0	31
319	do.	200	do.	80	18	1	9	24	16	24	b/	0.1	50
320	do.	328	do.	-	-	-	-	-	20	18	b/	-	-
321	J. P. Towns	400	do.	329	52	20	39	110	64	100	b/	0	212
322	H. Griffin	130	Nov. 22, 1938	1,127	140	52	179	397	449	112	b/	-	562
323	C. B. Garnet	236	do.	803	122	40	110	171	172	275	b/	0.1	469
324	W. C. Haynes	180	do.	189	38	4	26	104	41	29	b/	-	113
325	W. P. A. test	32	Oct. 17, 1938	373	23	10	92	43	159	68	b/	-	96
326	A. B. Caraway	178	Nov. 22, 1938	679	100	27	93	98	255	156	b/	-	362

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
328	Martindale Mfg. Co.	360	Nov. 22, 1928	587	98	26	72	177	180	124	b/	0.5	351
329	M. Caraway	86	Oct. 20, 1938	598	86	19	95	37	184	196	b/	-	292
330	J. H. Taylor	85	do.	1,095	155	38	148	12	540	208	b/	-	544
331	C. C. Tolle	166	do.	522	76	27	77	122	78	204	b/	-	302
333	W. P. A. test	33	Oct. 17, 1938	-	-	-	-	-	2,855	4,530	b/	-	-
339	do.	33	do.	23,885	1,423	2,433	3,212	1,006	8,847	7,450	b/	0	13,562
341	L. B. Davis	1,800	Nov. 4, 1938	334	2	2	136	311	17	24	b/	0.5	11
346	Texas Hydro-Electric Co.	17	Sept.21, 1938	903	-	-	-	403	259	64	80	-	-
347	Otto Landbeck	302	do.	714	-	-	-	384	73	113	90	-	-
348	V. P. Harrell	39	Sept.20, 1938	1,520	202	49	259	573	466	170	92	-	705
349	do.	70	do.	1,188	226	41	129	384	235	265	103	-	736
353	J. J. Cleveland	76	Sept.19, 1938	6,664	366	371	1,375	506	2,813	1,485	b/	-	2,439
354	Dan Nixon	104	do.	1,134	52	49	315	427	138	370	b/	-	330
355	Math. Havel	42	do.	90	20	6	-	37	12	6	25	-	74
357	Forrest School Dist. 33	26	do.	395	116	10	19	354	28	26	22	0.1	331
358	W. P. A. test	24	Sept.16, 1938	397	104	30	9	433	27	14	b/	-	384
359	J. C. Quinton	56	Sept.19, 1938	1,231	-	-	-	177	13	175	600	-	-
363	W. P. A. test	28	Nov. 22, 1938	996	180	33	93	134	550	74	b/	-	586
366	W. G. Dullnig	39	do.	562	128	9	74	366	26	119	26	-	356
367	Joe Smith	90	do.	443	117	15	20	226	112	68	b/	-	354
369	Howard Richey	150	Sept.12, 1938	98	29	5	-	55	17	20	b/	-	93
370	W. H. Bond	66	do.	579	137	12	60	354	54	106	36	-	393
371	John Bond	35	do.	2,131	444	23	319	384	126	1,030	b/	-	1,204
372	August Kallies	65	Sept.14, 1938	557	137	19	16	214	12	88	180	-	422
373	T. H. Sorrell	110	do.	792	100	17	155	104	85	290	94	-	321
376	P. H. Gosse	150	do.	238	54	7	23	134	53	34	b/	-	165
377	W. P. A. test	17	Sept.12, 1938	383	92	18	27	342	38	22	b/	-	306
379	Laval D. Brown	303	Sept.16,1938	233	60	6	18	159	45	26	b/	-	174
380	K. R. Towns	180	Sept.13, 1938	1,382	138	40	276	153	588	265	b/	0.2	510
381	Will Dickinson	41	Sept.19, 1938	941	162	16	147	342	320	120	b/	-	470
383	P. H. Gosse	170	do.	298	-	-	-	262	32	24	b/	-	-
384	J. B. Ellis	56	do.	499	-	-	-	207	138	62	28	-	-

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
385	H. C. Howell	360	Sept.23, 1938	460	78	18	63	226	123	67	b/	-	271
387	Mrs. J. P. Lewis	97	do.	2,211	368	106	184	207	1,251	200	b/	0.2	1,355
388	Aibe Riynhell	Spring	Sept.12, 1938	46	7	4	4	24	a/	8	b/	-	32
389	Sam Cochran	54	Sept.14, 1938	179	-	-	-	165	10	19	b/	-	-
390	W.P.A. test	23	Sept.16, 1938	1,439	253	85	150	342	181	590	b/	0.2	983
392	State of Texas	Spring	Oct. 13, 1938	117	22	5	15	67	23	19	b/	0.2	73
394	J. E. Lampkin	3,400	do.	1,788	16	5	697	982	159	428	b/	1.1	58
395	B. Zedler	400/	do.	937	10	7	357	329	16	385	b/	0.1	54
397	E. G. Denman	340	Sept.23, 1938	237	-	-	-	189	31	24	b/	-	-
398	W. S. Denman	93	Sept.21, 1938	808	108	23	158	439	211	91	b/	-	364
399	J. W. Nixon	377	Sept.23, 1938	296	13	4	105	275	13	26	b/	0.4	47
400	R. M. Miller	22	Sept.21, 1938	146	22	6	24	67	20	35	b/	-	79
401	do.	40	do.	818	97	35	154	30	61	440	b/	-	387
403	T. N. Keese	240	do.	780	91	44	130	378	227	101	b/	-	407
404	Frank Staton	43	Sept.22, 1938	882	98	55	69	-	588	69	b/	0.3	469
*405	J. E. Parker	38	do.	170	13	5	40	79	42	22	b/	-	53
409	W. P. A. test	29	Sept.28, 1938	7,951	696	561	1,056	451	4,474	930	b/	-	4,046
414	V. S. Wilson	24	Sept.21, 1938	1,774	174	131	241	451	749	245	b/	-	976
415	F. C. Echols	180	do.	3,067	19	12	1,193	860	a/	1,400	b/	1.1	98
417	E. C. Echardt	20	Sept.20, 1938	645	102	39	78	366	118	96	32	-	414
418	Mike Benes	20	do.	4,900	193	165	1,240	525	2,329	705	b/	-	1,162
419	Root Vogel	20	do.	5,818	308	168	1,414	561	2,917	730	b/	1.0	1,459
420	Gonzales County	283	Sept.21, 1938	1,354	8	1	556	1,080	a/	240	b/	1.0	26
421	C. P. & L. Co.	1,750	Sept. 1, 1938	1,806	4	1	748	1,398	a/	300	b/	8.0	15
422	T. E. Schmerber	81	Oct. 14, 1938	441	20	13	113	122	92	143	b/	-	153
423	Mrs. Fisher McCaty	51	do.	480	-	-	-	201	142	73	b/	-	-
424	F. Ramzinsky	500	do.	591	68	29	105	244	173	96	b/	0.1	288
427	Clyde Smith	91	do.	1,044	172	63	105	183	269	345	b/	-	689
428	L. J. Whittlesey	40	do.	872	240	16	21	275	376	44	40	-	665
430	J. C. Barfield	48	do.	759	152	29	76	311	227	122	b/	-	498

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

* For analysis of well 407 see page 58.

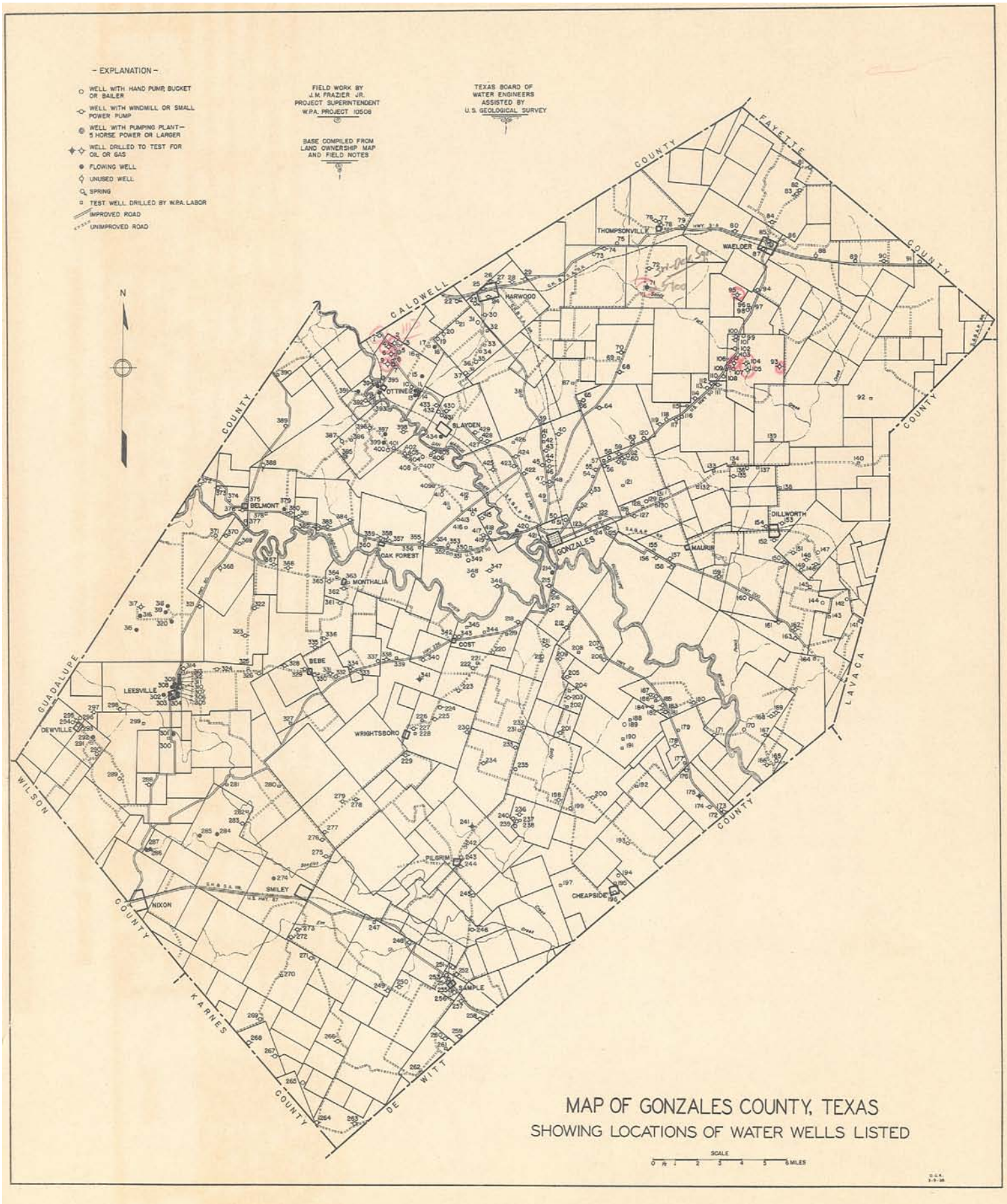
Partial analyses of water from wells in Gonzales County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_4)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
431	Louis Parker	36	Oct. 14, 1938	1,315	352	13	52	281	676	72	b/	-	933
432	J. R. Walker	35	do.	673	-	-	-	244	154	163	b/	-	-
433	W. S. Botts	138	do.	542	99	27	59	220	127	122	b/	-	356
434	Mrs. W. Brothers	600	Sept.13, 1938	1,700	14	5	693	1,291	a/	350	b/	2.6	53
435	W. P. A. test	29	Sept.22, 1938	235	24	6	50	67	54	58	b/	-	84

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.


- EXPLANATION -
WELL WITH HAND PUMP, BUCKET OR BAILER
WELL WITH WINDMILL OR SMALL POWER PUMP
WELL WITH PUMPING PLANT— 5 HORSE POWER OR LARGER
WELL DRILLED TO TEST FOR OIL OR GAS
FLOWING WELL
UNUSED WELL
SPRING
TEST WELL DRILLED BY W.P.A. LABOR
IMPROVED ROAD
UNIMPROVED ROAD
FIELD WORK BY J.M. FRAZIER JR. PROJECT SUPERINTENDENT W.P.A. PROJECT 10508
BASE COMPILED FROM LAND OWNERSHIP MAP AND FIELD NOTES
TEXAS BOARD OF WATER ENGINEERS ASSISTED BY U.S. GEOLOGICAL SURVEY
N
FAYETTE COUNTY
CALDWELL COUNTY
GUADALUPE COUNTY
LAVACA COUNTY
WILSON COUNTY
KARNES COUNTY
DE WITT COUNTY
THOMPSONVILLE
WAELDER
HARWOOD
OTTINE
SLAYDEN
BELMONT
OAK FOREST
MONTHALIA
GONZALES
DILLWORTH
MAURIN
COST
BEBE
LEESVILLE
DEWVILLE
WRIGHTSBORO
PILGRIM
SMILEY
NIXON
CHEAPSIDE
SAMPLE
MAP OF GONZALES COUNTY, TEXAS
SHOWING LOCATIONS OF WATER WELLS LISTED
SCALE
0 1 2 3 4 5 6 MILES