

LEON COUNTY, TEXAS

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Introduction

by

Samuel F. Turner

Associate Hydraulic Engineer

U. S. Geological Survey

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

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

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

The field work in Leon County was started on September 28, 1936, and completed on March 4, 1937. This work was done as Project 2077 of District 5 of the Works Progress Administration, Palestine, Texas. G. H. Shafer, a geologist, was project superintendent. Mr. Shafer should be given credit for his great interest in the work and for the additional hours he spent on the project. The office of the Works Progress Administration in the Palestine District made this work possible by their constant help and cooperation. The project is also indebted to the County Commissioners of Leon County for their assistance in furnishing transportation.

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

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

Hall Southwest Water Consultants, Inc.  
3303 Northland Drive, Suite 311  
Austin, Texas 78731

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

No.	Distance from Center-ville	Survey	Owner	Driller	Date	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
<u>d/</u> 1	19½ miles west	Manuel Cresencio Rejon	--	John L. Donell	1922	1,200	--	--
2	19 miles west	do.	J. D. Hull	Bill Aleywine	1924	66	--	2.2
3	18½ miles west	do.	Jap Hull	--	1906	26	--	2.8
4	18 miles northwest	do.	L. F. Phelps	--	1921	38	--	2.8
5	17½ miles west	do.	G.W. Foley	G.W. Foley	1934	30	--	--
8	do.	Hugh L. White	J. A. Beddingfield	--	1933	31	36	2.9
9	16 miles west	Thomas J. McCallum	Mrs. Kate Ellis	--Henderson	1936	28	7	1.7
11	15½ miles west	J.H. Thomas	Friendship School	--	--	25	42	2.2
13	15 miles west	W. C. Burleson	G.W. McDonald	G. W. McDonald	1932	55	36	2.5
14	14½ miles west	John Meyers	Mrs. W. W. Corbey	--	--	39	--	2.8
15	14 miles northwest	do.	T. S. Minter	Howard Opry	1924	31	42	2.7
16	13½ miles northwest	do.	W.J. Hancock	--	--	22	42	1.9
18	15½ miles northwest	Martha E. Webb	J.M. Parker	J.M. Parker	1930	57	6	1
19	do.	J. H. Patton	L.E. Sanders	Howard Opry	1926	40	30	2.4
20	14½ miles northwest	J. M. Mead	John Holmes	John Holmes	1923	21	40	1.9
21	13½ miles northwest	Thomas B. Hoarn	P.D. Daughtry	--	--	20	36	1.8
23	12 miles northwest	Geo. H. Gordon	I.F. Betts & T.S. Minter	--	--	33	30	2.3
24	do.	Jas. W. Dodson	R.S. Robinson	"Judge" Haggens	1921	30	6	2.3
<u>d/</u> 25	11½ miles northwest	do.	Z.R. Robinson	--	1924	30	--	--
26	9½ miles northwest	Benjamin Green	T. S. Minter	Vetas Johnson	1932	66	8	2.6
28	10½ miles northwest	H. Porter	W.P. Platt	A.D. Ivey	1928	52	6	2.2
29	do. do. do. northwest	Chdoter Rockwen	M.C. Taylor	Howard Opry	1928	33	--	1.7
30	11 miles northwest	Chester Rockwen	W.L. Evans	--	--	Spring	--	--
31	do.	do.	H.W. Haley	--Brotherton	1923	17	36	2.2
32	do.	--	Jewett Ind.	Frank	1928	22	36	2.6

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

Records obtained by G. H. Shafer, Project Superintendent  
(Chemical analyses of water from these wells and springs are in the table of analyses)

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
1	Flows	Jan. 18, 1937	None	N	Drilled well. Oil test. Located in Navasota River bottom.
2	37.7	Nov. 11, 1936	B.H	S	Bored well. Wood curb and casing. Strong supply.
3	20.3	Nov. 25, 1936	B.H	S	Do.
4	32.5	do.	B.H	D.S	Do.
5	--	--	B.H	D.S	Wood curb and casing. Strong supply.
8	20.2	Nov. 25, 1936	B.H	D.S	Brick-concrete curb; brick casing. Tenant reports never fails in drought.
9	21.2	Nov. 21, 1936	B.H	D.S	Bored well. Wood curb and casing. Owner reports quicksand in bottom.
11	17.5	Nov. 28, 1936	B.H	--	Brick curb and casing. Formerly supplied school.
13	51.3	do.	B.H	D.S	Wood curb; no casing. Strong supply. Owner reports sand-box in bottom.
14	29.8	do.	B.H	D.S	Wood curb; no casing. Strong supply.
15	24.3	do.	B.H	D.S	Cement curb; brick casing. Strong supply.
16	16.6	do.	B.H	D.S	Brick curb and casing. Strong supply.
18	54.9	Nov. 12, 1936	B.H	D.S	Bored well. Wood curb and casing. Strong supply.
19	30.5	do.	B.H	D.S	Tile curb; brick casing. Strong supply.
20	17.5	do.	B.H	D.S	Wood curb; brick casing. Strong supply.
21	6.3	Feb. 18, 1937	B.H	S	Tile curb and casing. Strong supply.
23	24.5	Nov. 12, 1936	B.H	D.P	Brick-concrete curb; brick casing. Supplies church. Strong supply.
24	31.1	do.	B.H	D.S	Dug well to 12 feet. Brick curb. Bored well 12-30 feet. Wood casing. Strong supply.
25	--	--	C.E, $\frac{1}{2}$	P	Concrete curb and casing. Strong supply.
26	53.5	Nov. 10, 1936	B.H	D.S	Wood curb and casing. Tenant reports nearly fails in drought.
28	46.3	Nov. 11, 1936	B.H	D.S	Bored well. Wood curb and casing. Strong supply.
29	27.5	do.	C.W	D.S	Cement-brick curb; brick casing. Strong supply.
30	Flows	Nov. 20, 1936	None	D	Estimated flow, $\frac{1}{2}$ gallon a minute from 1 opening in sand.
31	8.3	Nov. 12, 1936	C.W	D.S	Concrete curb and casing. Strong supply.
32	14.6	Nov. 20, 1936	C.E, $\frac{1}{2}$	P	Brick curb and casing. Strong supply.

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

Records of wells and springs in Leon County--Continued

No.	Distance from Center-ville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
33	11 miles northwest	--	City of Jewett	J.W. Jackson	1935	402	8	--
34	do.	Jefferson McGrew	George Kyle	--	--	7	36	0
35	9½ miles northwest	Chas. J. Cummings	Jimmy Adkisson	Andy Cooper	1928	26	--	2.3
38	11½ miles northwest	J. W. Tumlinson	Aubrey Carlisle	--	--	47	7	1.8
39	do.	do.	E. R. Carlisle	Carl Betts	1929	35	7	2.5
41	12 miles northwest	T.J. Chipman	Rosa Williams	Jim Henderson	1916	33	--	1.7
43	12½ miles northwest	A. Smith	T.C. Copeland	T.C. Copeland	1932	30	--	2.1
44	13 miles northwest	J.A. Bain	--Pennington	--Pennington	1936	38	--	2
d/ 45	14 miles northwest	E. Devinney	Ogg, et al. Leon County	Humble Oil & Ref. Co.	--	5,000	6	--
46	do.	do.	--	-- Merrill	--	--	--	--
47	15½ miles northwest	W.C. Carey	George St. John	--	--	37	--	2
49	14 miles north	--	Webb Stewart	Tom Dawkin	--	19	--	2
50	14½ miles north	--	City of Buffalo	J.W. Jackson	1936	681	6	--
52	15 miles north	G.W. Kegans	A.W. Jowers	Arthur Proctor	1935	55	72	2.2
53	14 miles north	M.A. Bain	W.B. Reeder	A. Slatter	1916	34	50	2.8
54	do.	Asa Ellis	do.	--	--	Spring	--	--
57	13 miles north	R. Weaver	J.W. Cooper	--	Old	13	36	1.9
58	12½ miles north	Jas. J. Davis	Davis Branch School	J.A. White	1936	18	6	2.3
59	do.	do.	R.E. Horn	O.J. Horn	1935	51	24	2.4
60	12 miles north	J. Hunt	Z. B. Whitehurst	--	Old	27	42	2
62	9½ miles northwest	Jas. H. Harbison	W. A. Albritton	"Judge" Brewer	1935	27	24	2.8
63	7 miles northwest	Wm. Watkins	J.C. Gardner	J.A. Durant	1935	15	36	1.5
65	6½ miles northwest	John Blanchard	J.T. Pilley	--	--	24	--	2
66	6½ miles north	Joseph Ferguson	Hiram Smith	Hiram Smith	1916	23	--	2.7
69	5½ miles north	Olnor McCoy	G.L. Walker	-- Crook	1935	200	--	--
71	7½ miles north	W. B. Caldwell	Bob Smith	--Sheldon	1932	23	--	1.7
72	8 miles north	do.	Mrs. S. F. Parker	--	--	38	--	1.5

G. H. Shafer, Project Superintendent

No.	Water Level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Remarks
	Depth below measuring point (feet)	Date of measurement			
33	137	e/	T.E. 25	P	Drilled well. 260 feet of 10 <sup>3</sup> / <sub>8</sub> -inch casing. Estimated yield, 180 gallons a minute. Altitude, 496.74 feet.
34	4.5	Dec. 5, 1936	B.H	D	No curb; brick casing. Strong supply. See log.
35	21.5	do.	B.H	D,S	Brick-concrete curb; brick casing. Strong supply.
38	37.3	do.	B.H	D,S	Bored well. Wood curb and casing.
39	24.3	do.	B.H	D,S	Bored well. Wood curb and casing. Strong supply.
41	29.4	do.	B.H	D,S	Wood curb; log-wood casing, 0-6 feet. Strong supply.
43	27.1	do	None	N	Wood curb; no casing. Strong supply.
44	35.8	do.	B.H	D.S	Wood curb; no casing.
45	---	---	None	--	Drilled well. Oil test. See log.
46	Flows	Dec. 5, 1936	None	N	Drilled well. Formerly supplied water for drilling use.
47	36.9	Nov. 30, 1936	B.H	D,S	Wood curb; no casing. Tenant reports fails in drought.
49	17.4	Dec. 5, 1936	B.H	D	Wood curb and casing. Strong supply.
50	60	e/	T.E. 20	P	Drilled well. Reported 40 feet drawdown after pumping 125 gallons a minute for 2 hours. Altitude, 390
52	52	Dec. 29, 1936	B.H	D,S	Cement curb; brick casing, 0-7 feet. See log. Strong supply. Tenant reports sand-box in bottom.
53	25.8	do.	C.W	D,S	Brick-cement curb; brick casing. Strong supply.
54	Flows	Feb. 15, 1937	None	D	Estimated flow, 1 gallon a minute from sand. Temperature 58° F.
57	8.2	do.	B.H	D,S	Stone curb and casing. Strong supply. Located near creek bottoms.
58	8	do.	B.H	D	Bored well. Wood curb and casing. Located near creek bed.
59	47.6	do	B.H	D,S	Brick curb and casing. Strong supply. Tenant reports packed sand in bottom.
60	19.6	Nov. 30, 1936	B.H	D,S	Wood curb; rock casing. Strong supply.
62	16.2	Dec. 10, 1936	B.H	D,S	Brick curb and casing. Owner reports nearly fails in drought.
63	13.6	do.	B.H	D,S	Wood curb and casing. Strong supply.
65	21	do.	B.H	D,S	Wood curb; stone casing, 0-6 feet. Strong supply.
66	21	do.	B.H	D,S	Wood curb; no casing. Strong supply.
69	---	---	C.E. 1/2	D,P	Drilled well.
71	13.8	Nov. 30, 1936	C.G. 1 1/2	D,P	Cement curb; concrete casing. Strong supply.
72	28.3	do.	B.H	D,S	Log curb; no casing. Strong supply.

Records of wells and springs in Leon County--Continued

No.	Distance from Center-ville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
73	8½ miles north	W. B. Caldwell	J.W. Garland	--Thornton	1932	24	--	2.1
75	do.	A.T. Kerr	Mrs. Mae Garland	--	--	17	7	1
77	9 miles north	do.	J.B. Adams	--	1935	41	7	2.5
78	do.	do.	W.S. Phillips	Tom Marsh	--	52	7	2.1
79	10 miles north	do.	S.L. Elgin	--	--	83	--	3.2
81	12 miles north	A.B. Hardin	E.D. McIntosh	--	Old	22	32	2.7
82	do.	do.	do.	Sinclair Oil Co.	1934	14	3	0
84	11½ miles north	Wm. Cooper	G.W. Lee	--	Old	41	--	2.6
85	do.	do.	do.	Shell Pet. Corp.	1934	6,040	5-5/8	--
86	do.	do.	do.	do.	1932	300	4	--
88	12½ miles northeast	W.A. Patrick	A.J. Barnett	Tom Marsh	1917	47	6	2.1
89	11 miles north	John W. Boykin	Roy Williams	W.L. Moore	--	32	--	2.9
91	do.	B. B. B. & C. R. R.	do.	Cory Williams	1933	35	12	1.2
95	10 miles northeast	Joe Whitfield	G.W. Bounds	Tom Thorn	1925	37	50	2.7
96	8 miles north	J. Compte	Mrs. R. Gordon	Leon Lynch	--	49	--	1.7
d/ 98	7½ miles north	E.A. Swaze	Wm. Phillips	Shell Pet. Corp.	1932	6,300	9-5/8	--
99	7 miles north	J.F. Marsh	A. Jones	Geo. Moore	1934	25	36	2.4
100	do.	do.	R.D. Jones	do.	1934	32	--	--
103	6½ miles north	B.W. Phillips	Zetta Cothran	Melvin Cothran	1932	21	42	2.1
d/104	do.	J.F. Sumeralls	A. Jones	Shell Petr. Corp.	1933	6,024	7	--
105	6 miles north	J.M. Jones	J.C. Jones	--	--	28	7	3.2
106	5½ miles north	Mary Smith	B.F. Phillips	--	--	38	36	2.6
107	4½ miles north	O.P. Reams	J.L. Shaw	Roth & Faurot	1936	--	--	--
d/108	6 miles north	John Carter	Alice Beggs	Shell Petr. Corp.	--	6,140	7	--
109	do.	do.	Shell Petr. Corp.	Schraeder Drilling Co.	1933	400	4	--
112	6½ miles north	Oscar Beggs	A. Jones	Baker & Moore	1934	19	30	2.7
113	7½ miles northeast	Hiram Milleions	Burley Holmes	--	--	31	36	2

## G. H. Shafer, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measure- ment			
73	18.9	Jan. 2, 1937	B,H	D,S,P	Galvanized iron curb; no casing. Strong supply.
75	11.6	do.	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
77	34.5	Jan. 4, 1937	B,H	D,S	Wood curb; no casing. Strong supply.
78	38.8	do.	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
79	73	Nov. 30, 1936	B,H	Ind	Wood curb; no casing. Strong supply.
81	16.5	Jan. 4, 1937	B,H	D,S	Wood curb; rock casing, 0-10 feet. Owner reports nearly fails in drought.
82	5.3	do.	None	N	Core test. Owner reports original depth 82 feet. Galvanized iron casing.
84	39.2	Dec. 28, 1936	B,H	D,S	Wood curb; no casing. Strong supply.
85	--	Jan. 4, 1937	None	N	Oil test. See log.
86	Flows	do.	None	N	Drilled well. Estimated flow, 150 gallons a minute. Located on bank of Wheelock Creek.
88	39.9	Feb. 16, 1937	B,H	D,S	Bored well. Wood curb and casing. Strong supply. Located on top of hill.
89	31.5	do.	B,H	D	Wood curb; no casing. Tenant reports nearly fails in drought.
91	28.1	Dec. 28, 1936	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
95	22.3	Dec. 15, 1936	B,H	D,S	Wood curb; stone casing, 0-12 feet. Strong supply.
96	47.4	Feb. 8, 1937	B,H	D,S	Wood curb; no casing. Strong supply.
98	--	Jan. 20, 1937	None	N	Oil test. Altitude, 427 feet. See log.
99	20.2	Dec. 28, 1936	B,H	D,S	Cement curb and casing. Tenant reports nearly fails in drought.
100	28	e/	C,H	D,S	Concrete casing, top to bottom. Strong supply.
103	14.3	Dec. 28, 1936	B,H	D,S	Wood curb; brick casing, 0-12 feet. Strong supply.
104	--	do.	None	N	Oil test. See log.
105	20.2	Feb. 5, 1937	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
106	34	do.	B,H	D,S	Brick curb and casing. Strong supply.
107	--	Nov. 13, 1936	None	N	Oil test. Field Manager reports flowing water at 105 feet and 1,400 feet.
108	--	--	None	N	Oil test. See log.
109	--	Nov. 7, 1936	--	Of	Drilled well. Estimated yield, 100 gallons a minute. Altitude, 366 feet. Water raised by gas lift.
112	14.4	Feb. 5, 1937	C,W	D,S	Wood curb; concrete casing. Strong supply.
113	28.7	Feb. 8, 1937	B,H	D,S	Wood curb; rock casing. Strong supply.

Records of wells and springs in Leon County--Continued

No.	Distance from Centerville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
114	10½ miles northeast	S. J. West	J. H. Strickland	--	Old	20	--	2.6
d/115	do.	do.	do.	Penn Oil Co.	--	552	--	--
116	do.	do.	F.B. Manning	Ed Overalls	1933	77	6	2.7
117	11 miles northeast	Chas. M. Laing	C.A. Boykin	C.A. Boykin	1933	42	6	2.7
118	13 miles northeast	Thomas Filley	H.H. Tilley	--	--	62	6	2.8
119	14½ miles northeast	J.W. Hockett	Lewis Johnson	--	1932	450	--	--
120	do.	James R. Mellon	W.D. Leathers	--	--	26	36	1.7
121	do.	Samuel B. Marshall	L.J. Tubb	--	1935	42	36	--
122	14 miles northeast	do.	Hattie Robertson	Robert Johnson	1925	36	36	2
123	14½ miles northeast	do.	James Walker	--	--	39	36	1.8
125	11½ miles northeast	Archibald Smith	Mrs. Maggie Hogan	--	--	39	48	2.4
126	9 miles northeast	Nathaniel G. Moore	W. A. Gipson	Ed Overalls	--	37	6	1.7
127	10½ miles northeast	John McCarty	T.W. McKee	Carl Betts	1929	55	6	2
128	11½ miles east	Ramon De La Garza	L.R. Tubbs	Ballard Oil Corp.	1926	984	10	--
129	11 miles east	do.	George Parker	George Parker	1933	26	60	2.5
130	11½ miles east	Fernando Del Valle	Joe Painich	--	1934	35	6	3.9
131	11 miles east	do.	Sam Leathers	Lee Taylor	1936	307	4	--
132	10 miles east	do.	Joel Leathers	--	--	38	--	3.3
134	9 miles east	James W. Winters	R. Manning	--	Old	30	48	2.9
135	9½ miles east	Thomas Mozon	G.C. Manville	--Auld	--	33	--	2.3
136	do.	R.K. Hosmer	L.C. Tubb	Bud Corneilius	1934	16	--	3.2
137	do.	James W. Winters	Jack Lacey	John Kuhn	1922	24	40	2.6
138	10 miles east	Ramon De La Garza	W.R. Cash	--	1835	27	30	2.4
139	do.	do.	do.	--	--	39	--	2.3
140	9 miles east	Franklin Hooper	H. Manning	Carl Betts	1931	62	6	2.6

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



G. H. Shafer, Project Superintendent

No.	Water Level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Remarks
	Depth below measuring point (feet)	Date of measurement			
114	12.5	Mar. 1, 1937	B,H	D,S	Wood curb; no casing. Strong supply. Located on top of hill.
115	--	--	None	--	Core test. See log.
116	72.7	Feb. 15, 1937	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
117	39.2	do.	B,H	D,S	Do.
118	57.6	Feb. 10, 1936	B,H E,H	D,S D,S	Do.
119	Flows	Mar. 1, 1937	None	D	Core test. Estimated flow, 150 gallons a minute. Located in bottom lands. No casing left in hole.
120	26.1	Feb. 10, 1937	B,H	D,S	Wood curb and casing. Weak supply.
121	41.9	Feb. 12, 1937	B,H	D	Wood curb; brick casing. Weak supply.
122	33.1	Feb. 13, 1937	B,H	D,S	Brick curb and casing. Strong supply. Owner reports quicksand in bottom.
123	36.9	Feb. 12, 1937	B,H	D	Tile curb; no casing. Owner reports many shells encountered in digging well. Reported fails in drought.
125	37.2	Feb. 13, 1937	B,H	D,S	Wood curb; galvanized iron casing, 0-10 feet. Strong supply.
126	34.7	Feb. 8, 1937	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
127	53.1	Feb. 13, 1937	B,H	D,S	Bored well. Wood curb and casing. Owner reports quicksand in well.
128	--	Dec. 23, 1936	None	D	Oil test. Owner reports well formerly flowed. Located in river bottoms.
129	20	do.	B,H	D,S	Wood curb; 8 feet wood casing at top. Owner reports failed in 1934. Lignite reported at 22 feet.
130	30.7	Dec. 21, 1936	B,H	D,S	Bored well. Wood curb and casing. Weak supply. Located near Trinity River bottoms.
131	60	e/	C,W	D,S	Drilled well. Galvanized iron casing, top to bottom. Owner reports 2 water sands cased off. 10 feet screen
132	34.8	Dec. 21, 1936	C,H	N	Cement curb; rock casing. Strong supply. <u>in bottom.</u>
134	26.6	Dec. 23, 1936	B,H	D,S	Wood curb; 10 feet wood casing at top. Strong supply.
135	32.3	do.	B,H	D,S	Wood curb; no casing. Strong supply.
136	13	do.	B,H	D,S	Wood curb and casing. Strong supply.
137	21.8	Dec. 31, 1936	B,H	D,S	Wood curb; 17 feet brick casing at top. Strong supply.
138	21	Dec. 23, 1936	B,H	D,S	Wood curb; rock casing. Strong supply.
139	37.7	do.	B,H	D,S	Wood curb; no casing. Strong supply.
140	57.2	Feb. 13, 1936	B,H	D,S	Bored well. Wood curb and casing. Weak supply.

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

## Records of wells and springs in Leon County--Continued

No.	Distance from Center-ville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
141	8 miles east	James M. Robinett	F. P. Hickman	--	--	52	7	2
142	6½ miles east	Aaron West	R. C. Burleson	Ed Overalls	1933	46	6	2.6
143	6 miles northeast	do.	Henry Davis	do.	--	34	6	2.5
144	5½ miles northeast	Edm. Grissett	Pleasant Springs School	--	--	Spring	--	--
145	do.	R. Perry	Andy Brewer	Ed Overalls & A. Brewer	1933	21	6	2.1
146	4 miles east	John Belden	J. D. Stell	--	--	25	36	2.5
147	¾ miles east	do.	Evy Holmes	Ed Overalls	1935	52	--	2.2
148	2½ miles east	Francisco Ramirez	Robert Benten	--	--	Spring	--	--
150	¾ miles southeast	C. D. Gary	T. P. Sherman	--	--	Spring	--	--
151	2¼ miles southeast	S. Lester	Ed Sherman	--	--	16	42	2.4
153	1¾ miles south	Geo. K. Black	M. C. Garver	--	--	45	6	0.7
154	1½ miles southeast	C. Midkiff	D. W. Bain	Chas. Langsford	1936	30	--	1.7
155	1 mile southeast	do.	Edwin Phillips	Edwin Phillips	1935	28	36	2.5
157	1 mile northeast	Wm. Nelms	Mrs. Allie Bain	--	--	30	--	2.7
158	½ mile north	M. Boone, Jr.	R. W. Gardner	Carl Betts	1932	33	12	1.5
160	4¼ miles west	Jas. Stone	Mrs. M. E. Corbey	B. Johnson	1929	53	7	2
162	¾ miles west	Jose A. Mendez	C. A. Dezell	C. A. Dezell	1912	24	42	2.8
164	2 miles west	Robt. Dixon	D. F. Fortsen	--	Old	32	--	1.2
166	1¾ miles southwest	Thomas N. B. Greer	F. M. Simms	Rube Ethridge	1926	25	30	2.1
167	do.	do.	do.	A. N. Simms	1927	36	42	2.5
168	2¾ miles southwest	John Beauchamp	J. L. Neyland	--	Old	24	30	1.7
169	3½ miles southwest	do.	J. D. Posey	Henry Davis	1929	58	5	2.1
170	¾ miles west	do.	H. R. Simons	Oschar Shive	1910	31	--	1
171	3½ miles west	do.	W. W. Shive	H. R. Simons	1930	26	30	2.9
172	3¾ miles west	do.	Fannie McGill	--	--	11	40	1.6
d/175	5 miles west	Jas. Walker	Mrs. D. R. Smith	D. R. Smith	--	34	48	--
176	6 miles west	I. & G. N. R. R.	J. W. Hall	--	1923	16	32	2
177	6½ miles west	do.	D. B. Craig	--	1916	19	--	2.2

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G. H. Shafer, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
141	41.3	Dec. 31, 1936	B,H	D,S	Bored well. Wood curb and casing.
142	40.4	Feb. 8, 1937	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
143	29.4	do.	B,H	D,S	Do.
144	Flows	do.	B,H	D,S,P	Estimated flow, 2 gallons a minute from 1 opening in sand. Known locally as Pleasant Springs.
145	16.3	do.	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
146	23.5	Dec. 31, 1936	B,H	D,S	Wood curb; rock casing. Weak supply.
147	41.6	do.	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
148	Flows	do.	None	D	Estimated flow, 1 gallon a minute. Temperature 66°F. Located on side of road near bed of creek.
150	Flows	Dec. 22, 1936	None	D	Estimated flow, 1 gallon a minute from dark gray sand. Known locally as Pine Top Spring.
151	11	do.	B,H	D,S	Wood curb; brick casing. Strong supply.
153	37.7	Dec. 7, 1936	B,H	D,S	Bored well. Wood curb and casing. Weak supply.
154	30	Dec. 22, 1936	B,H	D	Brick-cement curb; no casing. Weak supply.
155	27.5	do.	B,H	D	Wood curb and casing. Weak supply.
157	25.5	Nov. 30, 1936	C,W	D,S	Cement curb; 10 feet rock casing at top. Strong supply.
158	25.6	do.	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
160	48.2	Nov. 27, 1936	B,H	D,S	Bored well. Wood curb and casing. Tenant reported fails in drought.
162	19.4	do.	B,H	D,S	Wood curb; 12 feet wood casing at top. Strong supply.
164	20.8	do.	B,H	D,S	Wood curb; 10 feet wood casing at top. Strong supply.
166	24.7	Nov. 10, 1936	B,H	D	Wood curb; concrete casing. Weak supply.
167	30.5	do.	B,H	D,S	Wood curb and casing. Strong supply.
168	19.9	do.	B,H	--	Wood curb; stone casing. Strong supply.
169	40.3	Nov. 8, 1936	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
170	17.9	Nov. 10, 1936	B,H	D,S	Cement curb; 8 feet cement casing at top. Strong supply.
171	13.2	do.	B,H	D,S	Cement curb; 12 feet cement casing at top. Strong supply.
172	8	do.	B,H	D,S	Wood curb and casing. Strong supply.
175	--	--	None	--	
176	14	Oct. 23, 1936	B,H	D,S	Brick curb and casing. Strong supply.
177	17.3	do.	B,H	D	Bored well. Wood curb; galvanized iron casing. Weak supply.

## Records of wells and springs in Leon County--Continued

No.	Distance from Center-ville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
179	6½ miles west	T. J. Shawn	C. D. Craig	Craig Bros.	1886	19	--	2.6
180	7 miles west	do.	W. A. Simpson	A. B. Parker	--	20	36	2.4
182	7½ miles west	E. H. Whitten	D. W. Simpson	Vetas Johnson	1930	19	8	1.8
183	8½ miles southwest	H. S. Robinson	O. H. Henry	-- Webb	1933	35	30	2.2
184	8½ miles west	J. Johnson	D. Pipes	--	--	Spring	--	--
185	do.	do.	do.	Jennie Heard	1931	25	30	0
188	do.	George E. Dwight	C. M. Barrett	--	--	29	8	2
191	7½ miles west	W. Bolton	D. W. Simpson	D. W. Simpson	1928	30	48	1.9
192	do.	Geo. K. McLandon	Fletcher Seale	--	--	19	30	2.1
193	8 miles west	Jas. Stone	M. Reed	--	--	Spring	--	--
195	8½ miles west	Edward Vose	A. R. Oehler	Vestas Johnson	1932	36	8	0.7
197	9 miles west	Noah Guinn	Mrs. Will Evans	--	--	21	--	2.6
198	do.	do.	Mrs. A. D. Ivey	A. D. Ivey	1929	53	7	2.1
200	9½ miles west	George E. Dwight	J. F. Moon	--	--	Spring	--	--
202	do.	do.	Guy Burleson	--	--	32	48	2.5
203	10 miles west	do.	Dewitt Burleson	--	1936	25	6	1.9
205	11 miles west	Hugh Matherson	J. B. Moody	J. B. Moody	1933	25	36	1.9
207	12 miles west	E. R. Bull	W. B. Speer	Andy Benson	1919	34	36	1.2
208	12½ miles west	do.	do.	Julian Haynie	1918	31	8	1.5
211	13½ miles west	James McKelvey	A. D. Peoples	--	Old	32	36	1.9
212	14 miles west	do.	do.	--	--	24	36	1.5
213	14½ miles west	do.	J. I. Grimes	Grimes & Son	1932	21	36	2.5
215	do.	John Barton	Mrs. F.E. McDaniel	Marvin Peoples	1932	23	36	1.4
220	14 miles west	Samuel Parr	R. J. Newson	Stewart Blair	1911	18	36	3.4
221	do.	do.	J. W. Newson	J. W. Newsom	1936	15	--	1.9
222	12½ miles west	Geo. H. Gordon	K. Thomas	Alex Simmons	1936	35	36	2.4

## G. H. Shafer, Project superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
179	6.6	Oct. 23, 1936	B,H	D,S	Wood curb; 9 feet wood casing at top. Strong supply.
180	17.3	do.	B,H	D,S	Wood curb; 15 feet wood casing at top. Strong supply.
182	16.8	Nov. 11, 1936	B,H	D,S	Bored well. Wood curb and casing. Tenant reports nearly fails in drought.
183	30.4	Oct. 1, 1936	B,H	D,S	Tile curb; tile-brick casing. Strong supply.
184	Flows	do.	None	S	Estimated flow, 1 gallon a minute from 1 opening in light gray sand.
185	18.6	do.	C,G, 1½	D,S	Brick casing. Strong supply.
188	25.5	Oct. 20, 1936	B,H	D,S	Bored well. Wood curb and casing. Weak supply.
191	17.4	Oct. 2, 1936	B,H	D,S	Wood curb; stone casing. Owner reports shell beds encountered when well was dug.
192	7.1	Nov. 11, 1936	B,H	D	Tile curb and casing. Strong supply.
193	Flows	do.	None	D	Estimated flow, ½ gallon a minute from 1 opening at clay-sand contact. Located on side of old railroad-cut.
195	21	do.	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
197	16.8	Nov. 10, 1936	B,H	D,S	Wood curb; no casing. Strong supply.
198	49.7	Nov. 11, 1936	B,H	D,S	Bored well. Wood curb and casing. Strong supply. Owner reports sand, top to bottom.
200	Flows	Oct. 15, 1936	None	S	Estimated flow, 5 gallons a minute from several openings in alternating layers of clay, lignite, sand and iron rock. Small deposits of salts on sides of bluff.
202	27.4	Oct. 20, 1936	B,H	D,S	Wood curb and casing. Strong supply.
203	18.6	do.	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
205	23.2	Oct. 15, 1936	B,H	D,S	Cement curb; brick casing. Strong supply.
207	31.3	do.	B,H	D,S	Concrete curb and casing. Tenant reports strong supply since dug deeper in 1935.
208	21.9	do.	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
211	28.5	Oct. 20, 1936	B,H	D,S	Brick curb and casing. Strong supply.
212	20.5	do.	B,H	N	Brick curb and casing.
213	18.4	do.	B,H	D,S	Wood curb; brick casing. Strong supply.
215	23.2	do.	B,H	D,S	Wood curb; 2 joints tile casing at bottom. Strong supply.
220	8.3	Nov. 20, 1936	B,H	D,S	Concrete curb; brick casing. Strong supply.
221	12.6	do.	B,H	D,S	Wood curb; no casing. Strong supply.
222	32.9	do.	B,H	D,S	Do.

## Records of wells and springs in Leon County---Continued

No.	Distance from Center-ville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
224	16 miles west	Wm. O. Meniffee	E. R. Hull	Bob Horn	1926	27	---	2.6
225	17 miles west	Mary Elam	W. H. Clute	W. H. Clute	1933	19	---	1.6
228	15½ miles west	W. H. McFarland	T. O. Petty	--- Watson	1936	31	---	1.9
230	18 miles west	Maria de la Concepcion	B. A. Grayson	Bob Horn	1935	26	36	1
231	do.	do.	M. R. Martson	do.	1936	16	36	1.9
232	do.	do.	S. D. Grayson	do.	1934	18	---	2.8
d/233	17½ miles west	do.	Mrs. Mary Ella Grayson	Sun Oil Co.	1931	6,010	---	---
234	do.	do.	M. R. Martin	Bob Horn	1931	25	36	4.2
235	18½ miles west	do.	M. B. Burton	---	1931	25	36	2.4
237	do.	do.	Dr. D. C. Carrington	---	---	15	42	2.8
238	18 miles west	do.	C. O. Jones	Bill Seale	1928	50	6	2.5
239	17½ miles west	do.	Dr. D. C. Carrington	--- Bronson	1926	38	42	2
240	do.	do.	do.	---	1929	59	6	2
242	16½ miles west	do.	Burk Winn	Oscar Thames	---	23	40	0
244	15½ miles west	do.	John Sharp	John Sharp	1921	30	---	2.8
245	do.	do.	do.	---	Old	21	---	2.7
246	do.	do.	W. N. Martin	W. N. Martin	1925	27	36	2.7
247	do.	do.	L. J. Downs	---	1933	20	30	2.2
249	15 miles west	---	City of Marquez	J.W. Jackson	1935	691	6	1.5
250	14½ miles west	James McKelvey	J. B. Jones	---	---	14	36	1.8
251	14 miles west	do.	R. A. Winn	Jeff Irvin	1921	16	72	2.2
255	13½ miles west	do.	A. T. Seale	---	---	29	24	2.3
257	do.	Leroy Boulware	R. M. Wynn	---	---	Spring	---	---
259	13 miles west	do.	do.	--- Watson	1935	52	6	2.3
262	11 miles west	H. A. Law	I. N. Prather	I. N. Prather	1929	24	36	4

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

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

G. H. Shafer, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
224	24	Nov. 21, 1936	B,H	D,S	Brick-cement curb; brick casing. Strong supply.
225	16	do.	B,H	D	Brick curb; rock casing. Strong supply.
228	23.2	Nov. 20, 1936	B,H	D,S	Bored well. Wood curb and casing. Tenant reports nearly fails in drought.
230	24	Dec. 9, 1936	B,H	N	Concrete curb and casing. Strong supply.
231	14.3	do.	B,H	D,S	Brick-concrete curb; brick casing.
232	14.5	do.	B,H	D,S	Wood curb and casing. Strong supply.
233	---	---	None	---	Oil test. See log.
234	17.6	Dec. 9, 1936	B,H	D,S	Wood curb; brick casing. Strong supply.
235	23.3	Oct. 12, 1936	B,H	D,S	Do.
237	13	Oct. 10, 1936	B,H	D,S	Do.
238	33	Oct. 12, 1936	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
239	29.2	Oct. 6, 1936	B,H	D,S	Wood curb; brick casing. Strong supply.
240	55.6	do.	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
242	17.6	Oct. 7, 1936	B,H	D,S	Wood curb; brick casing. Strong supply.
244	20.5	do.	B,H	D,S	Wood curb; no casing. Strong supply.
245	11	do.	B,H	D,S	Do.
246	11.7	do.	B,H	D,S	Brick curb and casing. Strong supply.
247	12.8	do.	B,H	D,S	Brick curb and casing. Tenant reports nearly failed in 1934.
249	85.9	Oct. 5, 1936	T,E, 15	P	Drilled well. 80 feet screen at bottom. Foreman reports water in fine gray sand. Reported 125 feet draw down after pumping 250 gallons a minute for 36 hours.
250	9.5	do.	B,H	D,S	Brick curb and casing. Strong supply.
251	13.8	do.	B,H	D,S	Cement curb and casing. Strong supply.
255	25.6	Oct. 3, 1936	B,H	D,S	Tile curb; brick casing. Strong supply.
257	Flows	do.	None	D,S	Estimated flow, $\frac{1}{2}$ gallon a minute from 1 opening in fine, gray sand.
259	50	do.	B,H	D,S	Bored well. Wood curb and casing. Neighbor reports quicksand in well.
262	22	Oct. 24, 1936	B,H	D,S	Cement curb; concrete casing. Owner reports failed in 1935.

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

d/ No water sample collected for analysis.

e/ Water level reported.

## Records of wells and springs in Leon County--Continued

No.	Distance from Center-ville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
263	8½ miles west	T. C. R. R.	Magnolia Petr. Co.	--	1922	20	36	0.9
265	4½ miles southwest	James M. Halmark	Spring Creek Negro School	Emmett Johnson	1929	27	--	2.4
266	5½ miles southwest	A. W. Cooke	J. F. Wilkinson	--	--	Spring	--	--
267	3½ miles south	J. Ramshay	Bruce Langford	--	--	Spring	--	--
269	4¼ miles southeast	Manuel Skinner	Tate King	Tate King	--	94	12	1.8
270	5½ miles southeast	do.	W. S. Ward	Austin Townsell	1916	31	--	2.5
d/271	6½ miles southeast	Nathaniel K. Allen	W. R. Thompson	J. P. Sheffler	1931	1,212	12	--
272	do.	do.	do.	do.	1931	284	12	1.1
273	6 miles southeast	do.	Mrs. C. Shaddix	--	Old	25	50	3
274	7 miles southeast	Isaac J. Midkiff	I. C. Robeson	I. C. Robeson	1918	30	36	2.3
276	8½ miles southeast	Fernando Del Valle	B. A. Coleman	--	--	60	--	--
277	do.	do.	W. W. Hill	Henry Houston	1928	24	42	2.2
279	do.	do.	J. C. McCoy	J. C. McCoy	1925	234	3	--
280	8 miles southeast	do.	B. A. Coleman	B. A. Coleman	1925	238	3	--
281	9 miles southeast	do.	Jack Marshall	Frank Albright	1926	14	36	2.3
282	9½ miles southeast	do.	James Fleming	T. P. Sherman	1904	65	6	--
284	10 miles southeast	do.	J. R. Leathers	-- McCoy	1911	34	42	1.9
285	10½ miles southeast	do.	Rush Helleman	Frank Albright	1933	30	42	1.9
286	12 miles southeast	John S. Roberts	Johnny Bill King	Jim Wilder	1934	37	50	--
287	11½ miles southeast	P. H. Hill	Henry Thomas	Ed Overalls	1936	42	7	1.3
288	14 miles southeast	S. Rogers	Dan Nealy	Carl Betts	1924	37	7	0.5
290	11½ miles southeast	Isaac L. Hill	Brac Wilson	Chas. McDaniel	1932	22	--	2.8
292	do.	do.	do.	--	--	Spring	--	--
293	10½ miles southeast	Fernando Del Valle	J. W. Dickey	-- Goodon	--	31	36	2.8
294	9½ miles southeast	do.	J. R. Leather	H. Houston	1924	28	--	1.6
296	10 miles southeast	do.	T. C. Way	Pete Wagner	1926	39	--	2.6
297	do.	L. Landrum	Ghoul Hopkins	Chas. McDaniel	1932	19	42	2



G. H. Shafer, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
263	16.4	Oct. 2, 1936	C.E.1	D	Concrete curb and casing. Strong supply.
265	25.2	Nov. 8, 1936	B.H	P	Brick curb and casing. Strong supply.
266	Flows	Nov. 18, 1936	None	D	Estimated flow, 2 gallons a minute from openings in gray sand. Temperature 64° F. Known locally as John
267	Flows	Dec. 7, 1936	None	D.S	Estimated flow, 1/2 gallon a minute Lightsey Spring. from white sand.
269	89	Dec. 22, 1936	B.H	D.S	Bored well. Wood curb and casing. Strong supply.
270	30.6	do.	B.H	D.S	Wood curb; no casing. Owner reports quicksand in well.
271	--	--	--	--	Oil test. 284 feet 12-inch casing. Owner reports flowing water in white sand, 890-940 feet.
272	40.6	Feb. 27, 1937	C.W	D.S	Drilled well. Owner reports water level fluctuates from 18 feet to 40 feet during short intervals.
273	24.6	Dec. 22, 1936	B.H	D.S	Wood curb; no casing. Strong supply. <u>Strong supply.</u>
274	27.9	do.	B.H	D.S	Brick curb and casing. Strong supply.
276	42.5	Dec. 12, 1936	B.H	D.S	Bored well. Wood curb and casing. Strong supply.
277	23	do.	B.H	D.S	Wood curb and casing. Strong supply.
279	35	e/	C.W	D	Drilled well. Formerly supplied cotton gin. 10 feet screen at bottom. Strong supply.
280	40	e/	C.W	D.S	Drilled well. 14 feet screen at bottom. strong supply.
281	12.1	Dec. 21, 1936	B.H	D.S	Wood curb and casing. Strong supply.
282	45	e/	C.W	D.S	Bored well. 65 feet 6-inch tile casing. Strong supply.
284	30.5	Dec. 21, 1936	B.H	D	Cement curb and casing. Strong supply.
285	28.9	do.	B.H	D.S	Wood curb and casing. Neighbor reports quicksand in well.
286	34	do.	B.H	D.S	Wood curb and casing. Strong supply.
287	38.6	Dec. 22, 1936	B.H	D.S	Bored well. Wood curb and casing. Weak supply.
288	34.8	Dec. 11, 1936	B.H	D.S	Bored well. Wood curb and casing. Strong supply.
290	20.6	do.	B.H	D.S	Wood curb and casing. Strong supply.
292	Flows	do.	None	D.S	Estimated flow, 1 gallon a minute. Known locally as Lick Hill Spring.
293	27	Dec. 8, 1936	B.H	D.S	Wood curb and casing. Strong supply.
294	24.1	do.	B.H	D	Wood curb; no casing.
296	32.7	do.	B.H	D.S	Wood curb; no casing. Strong supply.
297	18.8	do.	B.H	D.S	Do.

## Records of wells and springs in Leon County--Continued

No.	Distance from Center-ville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
298	10½ miles south	A. Garrett	R. R. Cundiff	--	--	120	42	2.8
299	9½ miles south	do.	Mrs. J.B. Jones	-- Newton	--	120	4	1.6
301	do.	Wm. Johnson	W. B. Riley	do.	--	92	5	1.8
302	8½ miles south	A. Garrett	Louie Thompson	Lynn Grant	1930	19	40	2.3
303	8 miles southeast	Allen Dimmery	Elbert Holley	Fred Langford	1936	59	48	1.7
306	7 miles south	do.	H. Durst	--	Old	29	50	2.1
307	7½ miles south	A. Garrett	State Highway Dept.	Newt Nash	--	36	--	--
308	6 miles south	Manuel Skinner	C.A. Gindratt	Sidney Langford	1916	59	--	0.5
310	6½ miles south	-- James	Mrs. Ella Rogers	--	Old	28	--	2.2
311	7 miles south	do.	J. L. O'Keefe	--	--	35	30	2.4
312	7½ miles south	do.	L.D. Thompson	--	--	21	--	2.2
313	8 miles south	Allen C. Bullock	Mrs. J. H. Adkisson	Bill Riley	1900	29	48	1
314	do.	do.	do.	D. Brooks	1905	10	60	1.7
315	do.	Elam Gilliland	W. C. House	George Keeling	--	30	--	1.8
316	do.	do.	J. B. McCree	Howard Green	1924	27	30	2.4
317	9 miles south	do.	A. M. Easterling	--	--	24	--	2.3
319	do.	do.	J.M. May	--	--	16	--	2.7
320	do.	do.	Sam Edwards	--	--	11	--	1.3
322	10 miles south	James Riley	John Adkisson	--	1915	27	24	--
323	11 miles south	do.	W. T. Rasco	--	1933	57	8	2.2
324	11½ miles south	do.	F.M. Wilson	Will Brady	1918	32	5½	2.7
325	do.	do.	do.	--	1911	66	5½	1.8
326	12 miles south	Montgomery Thomas	J.D. Adkisson	--	--	64	5	2.1
329	13½ miles south	Mark Copeland	Mattie Wooley	Olin Batson	1933	95	3	--
330	12 miles southwest	Thomas H. Garner	B.R. Murff	B.R. Murff	1931	17	--	2.8
331	do.	do.	Clarence Cole	--	--	17	--	1.7
332	10½ miles southwest	do.	Fred A. Cox	--	Old	28	--	2.9

## G. H. Shafer, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measure- ment			
298	47	Dec. 7, 1936	B,H	D,S	Wood curb; brick casing. Strong supply.
299	2.9	Oct. 26, 1936	B,H	D,S	Bored well. 4-inch galvanized iron curb and casing. Tenant reports water level at surface after heavy rains.
301	3.4	Oct. 7, 1936	B,H	D,S	Bored well. 5-inch galvanized iron curb and casing. Tenant reports water flows after heavy rains.
302	17.2	Dec. 7, 1936	B,H	D,S	Wood curb and casing. Tenant reports failed in rains. 1936; later deepened.
303	39.3	Dec. 8, 1936	B,H	D,S	Wood curb and casing. Strong supply.
306	17.5	Dec. 7, 1936	B,H	D,S	Brick curb; no casing. Strong supply.
307	--	--	C,H	P	Brick-cement curb and casing. Known locally as Big Well. Strong supply.
308	45.9	Dec. 7, 1936	C,W	D,S	Concrete base curb; no casing. Irrigates small garden. Strong Supply.
310	14.9	do.	B,H	N	Wood curb; concrete casing. Strong supply.
311	30.4	Oct. 29, 1936	B,H	D,S	Concrete curb and casing. Strong supply.
312	15.9	do.	B,H	D,S	Brick curb; stone casing. Strong supply.
313	21.5	Oct. 30, 1936	C,W	D,S	Concrete curb; 8 feet concrete casing at top. Strong supply.
314	3	do.	B,H	D,S	Brick curb. Strong supply.
315	28	Nov. 19, 1936	B,H	D,S	Wood curb. Strong supply.
316	21.8	do.	B,H	D,S	Wood curb; 10 feet wood casing at top. Strong supply.
317	17.7	Oct. 30, 1936	B,H	D,S	Wood curb; brick casing, 0-9 feet. Strong supply.
319	14.2	do.	None	N	Wood curb; no casing.
320	8.9	do.	B,H	D,S	Wood curb and casing. Strong supply.
322	22.9	Oct. 29, 1936	B,H	D,S	Brick curb and casing. strong supply
323	42.4	do.	B,H	D,S	Bored well. Wood curb and casing. strong supply.
324	12.5	do.	C,H	D,S	Bored well. Wood bench curb; galvanized iron casing. Strong supply.
325	41.6	do.	C,H	D,S	Bored well. 5½-inch galvanized iron curb and casing. Strong supply.
326	22.8	do.	B,H	D,S	Bored well. 5-inch galvanized iron curb and casing. Strong supply.
329	25	e/	C,H	D,S	Bored well. 3-inch galvanized iron casing. Strong supply.
330	12.7	Nov. 9, 1936	B,H	D,S	Wood curb and casing to 10 feet. Strong supply.
331	10.3	do.	B,H	D,S	Do.
332	24.3	Nov. 5, 1936	B,H	D,S	Concrete curb; brick casing. Strong supply.

Records of wells and springs in Leon County--Continued

No.	Distance from Center-ville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
333	10½ miles southwest	Thomas H. Garner	R. T. Hollingsworth	--	--	23	42	3.2
335	do.	do.	W. H. Kirkpatrick	--	Old	27	30	2.2
336	9½ miles southwest	Elam Gilliland	Chas. Lamb	--	Old	26	--	2.8
337	9 miles southwest	do.	E. M. Hollingsworth	E. M. Hollingsworth	1910	30	7	1.4
338	8½ miles southwest	Washington Beaty	R. T. Hollingsworth	--	--	Spring	--	--
339	9½ miles southwest	C. Ballard	Richard Carrington	--	--	9	42	1.5
341	10 miles southwest	W.H. Irwin	L.L. Grimes	Arthur Grimes	1928	33	8	3.4
344	11 miles southwest	H.F. Menefee	L. Byrd	Vernon Brinkley	1932	20	36	1.9
346	10½ miles southwest	W. J. Cleveland	J. H. Richardson	--	--	15	40	1
348	11½ miles southwest	T.B. Cox	R.E. Seales	--	--	Spring	--	--
350	11 miles southwest	--	T. G. Duncan	--	1918	19	30	0
351	do.	--	J. F. Grant	--	--	21	30	0.3
352	10½ miles southwest	J. L. Gilmore	R. T. Hollingsworth	--	1916	20	36	3.6
354	do.	Warrick Martin	J.B. Kitchens	-- Brinkley	1934	60	30	2.4
355	do.	Washington Beaty	J.D. Washburn	--	--	22	36	2.4
358	12 miles southwest	W. Martin	D.A. Peters	Arthur Grimes	--	34	6	2.9
359	13 miles southwest	John Scritchfield	Greenlee McKnight	-- Richey	--	70	5	2.5
362	14½ miles southwest	Robt. Rogers	B.H. Henry	--	--	38	36	2.5
364	15 miles southwest	do.	-- Polk	--	1925	77	36	2.8
365	15½ miles southwest	do.	Sanger Bros.	--	--	55	3	2.2
366	14½ miles south	Mark Copeland	Chas. Mills	--	1910	95	3	--
367	15½ miles south	Robt. Rogers	Mattie Wooley	Bud Drew	1915	198	3	--
368	16 miles southwest	do.	L. L. Laningham	--	1906	100	3	1.7
369	do.	do.	Mattie Wooley	--	--	--	6	--
370	do.	do.	J. R. Payne	Bud Drew	1909	151	3½	--
372	16½ miles southwest	do.	Interstate Pub. Service Co.	Humes & Robinson	1910	300	8	--

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

G. H. Shafer, Project Superintendent

No.	Water Level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Remarks
	Depth below measuring point (feet)	Date of measurement			
333	13.8	Nov. 5, 1936	B,H	D,S	Brick curb and casing. Strong supply.
335	10.4	Oct. 30, 1936	B,H	D,S	Rock curb; 10 feet rock casing at top.
336	12.3	do.	B,H	D,S	Wood curb; no casing. Strong supply.
337	21.6	Nov. 19, 1936	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
338	Flows	do.	None	D,S	Estimated flow, 2 gallons a minute from 1 opening in white sand. Known locally as Yellow Branch Spring.
339	8.6	Dec. 3, 1936	B,H	D,S	Wood curb; stone casing. Strong supply.
341	30.9	Dec. 2, 1936	B,H	D,S	Bored well. Wood curb and casing.
344	16.5	Dec. 3, 1936	B,H	D,S	Brick curb and casing. Permanent supply.
346	8.2	Dec. 2, 1936	C,H	D	Wood curb; stone casing.
348	Flows	Nov. 6, 1936	None	D,S	Estimated flow, $\frac{1}{2}$ gallon a minute from 1 opening in sand.
350	15.3	do.	B,H	D,S	Brick curb and casing. Strong supply.
351	16.6	Sept. 30, 1936	B,H	D,S	Tile curb and casing. Strong supply.
352	17.3	Nov. 5, 1936	B,H	D,S	Concrete curb; brick casing. Strong supply.
354	58.8	do.	B,H	D,S	Brick curb and casing. Strong supply.
355	15.9	do.	B,H	D,S	Wood curb; 8 feet wood casing at top. Strong supply.
358	27.9	Sept. 28, 1936	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
359	68.4	do.	B,H	D,S	Bored well. Wood curb; galvanized iron casing. Weak supply.
362	30	do.	B,H	D,S	Wood-iron curb; 10 feet wood casing at top. Strong supply.
364	70.3	do.	B,H	D,S	Brick curb and casing. Strong supply.
365	13.8	Sept. 29, 1936	B,H	D,S	Bored well. Galvanized iron curb and casing.
366	--	Oct. 27, 1936	C,H	D,S	Bored well. 3-inch galvanized iron casing.
367	50	<u>e/</u>	C,W	D,S	Bored well. 3-inch galvanized iron casing. Strong supply.
368	53.3	Oct. 27, 1936	B,H	D,S	Bored well. 3-inch galvanized iron curb and casing. Strong supply.
369	--	--	C,H	D,S	Bored well. 6-inch galvanized casing. Strong supply.
370	80	<u>e/</u>	C,H	D,S	Bored well. $3\frac{1}{2}$ -inch galvanized casing. Strong supply.
372	60	<u>e/</u>	C,E, $7\frac{1}{2}$	D,S, Ind	Drilled well. Steel casing. Formerly supplied city of Normangee.

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

## Records of wells and springs in Leon County--Continued

No.	Distance from Center-ville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
373	16½ miles southwest	Robt. Rogers	City of Normangee	E.L. Dalton	1931	338	8	--
375	17 miles southwest	B. F. Whittaker	J.C. Ford	Clyde Batson	1922	210	4	--
376	19½ miles southwest	do.	Ernest Frankfort	--	1935	115	8	1.6
377	20½ miles southwest	Stephen Lester	J.P. Burns	Bud Drew	--	152	4	--
378	do.	Nicholas Copeland	A.W. Lathrop Estate	--	--	80	4	--
379	21½ miles southwest	do.	Otto Schultz	-- Batson	1932	76	4	1.6
380	18 miles southwest	B. F. Whittaker	P. Youngblood	--	--	40	6	--
381	18½ miles southwest	do.	R.V. Holleman	--	--	22	36	2.2
382	19 miles southwest	J. Archer	do.	Lon Runnells	1911	35	36	2.4
385	19½ miles southwest	S.P. Reeves	J.C. Ford	W. Baggett	1910	1,100	--	--
387	21½ miles southwest	Jose Maria Viesca	H. M. Donaldson	--	1930	30	1	--
388	19 miles southwest	do.	W. M. Pankonien	Emmett Moon	1927	60	8	--
390	do.	do.	Blackgum School	do.	1932	58	6	2.5
391	18½ miles southwest	do.	C. S. Taylor	do.	--	29	6	1.9
392	do.	do.	E. C. Watson	--	--	Spring	--	--
393	do.	do.	D. Moon	"Ab" James	--	16	12	1.2
395	16 miles southwest	do.	W. E. Adams	E. Moon	1929	28	6	1.7
397	17 miles southwest	Pedro Pereira	Jose De D. B. Williams	--	--	25	36	2.4
399	16 miles southwest	do.	W.R. Snow	--	--	Spring	--	--
400	14½ miles southwest	do.	Gus Lanier	Snow & Sullivan	--	31	42	3.1
401	15 miles southwest	do.	Dave Snow	J. Snow	--	27	--	1.2
403	16 miles southwest	do.	Jake Watson	Lon Runnells	1909	28	36	2.8
404	16½ miles southwest	Anthony D. Kennard	H.E. Watson	Clyde Watson	1933	35	8	2.6
406	17 miles southwest	Pedro Pereira	Jose De Ed Buck Watson	--	--	39	6	1.8
407	17½ miles southwest	do.	Mrs. G.H. Donelson	Calvin Powell	1933	39	36	0.7
408	17 miles southwest	Pedro Pereira	Jose De Toliver Jackson	--	--	Spring	--	--
410	do.	do.	M.W. Gilbert	-- Stepps	1906	53	--	2.4

G. H. Shafer, Project Superintendent

No.	Depth below measuring point (feet)	Date of measurement	Pump and power b/	Use of water c/	Remarks
373	65	e/	T, E 75	P	Drilled well. Station foreman reports 15 feet draw-down after pumping 75 gallons a minute for 12 hours.
375	70	e/	C, W	D, S	Bored well. 204 feet 4-inch galvanized iron casing. Strong supply.
376	35.7	Oct. 26, 1936	B, H	S	Bored well. Wood curb and casing. Strong supply.
377	--	--	C, H	D, S	Bored well. 100 feet 4-inch galvanized iron casing. Owner reports first water at 70 feet.
378	--	--	C, H	D, S	Bored well. Galvanized iron casing.
379	54	Oct. 26, 1936	B, H	D, S	Bored well. Galvanized iron curb and casing. Strong supply.
380	28	e/	C, H	D, S	Bored well. Galvanized iron casing. Strong supply.
381	12.2	Nov. 9, 1936	B, H	D, S	Brick curb and casing. Strong supply.
382	21.6	do.	B, H	D, S	Do.
385	Flows	Oct. 22, 1936	None	D, S	Drilled well. Estimated flow, 1 gallon a minute through 3-inch pipe.
387	--	--	C, H	D, S	Driven well. Galvanized casing. Tenant reports quicksand in well.
388	51	Oct. 22, 1936	B, H	D, S	Bored well. Wood curb and casing. Weak supply.
390	50.7	do.	B, H	P	Bored well. 6-inch tile curb and casing. Strong supply.
391	26.8	Oct. 21, 1936	B, H	D, S	Do.
392	Flows	Oct. 22, 1936	None	D, S	Estimated flow, 2 gallons a minute from gray sand. Known locally as Blackgum Spring.
393	12.5	Oct. 2, 1936	B, H	D, S	12-inch tile curb and casing. Strong supply.
395	25.6	Nov. 17, 1936	B, H	D, S	Bored well. Wood curb and casing. Strong supply. Owner reports quicksand in well.
397	20.1	Oct. 21, 1936	B, H	D, S	Brick-cement curb; rock casing. Strong supply.
399	Flows	Nov. 17, 1936	None	D, S	Estimated flow, $\frac{1}{2}$ gallon a minute from 1 opening in gray sand.
400	29.8	Nov. 6, 1936	B, H	D, S	Concrete curb; brick casing. Weak supply.
401	21.6	do.	B, H	D, S	Concrete curb and casing. Strong supply.
403	22.2	do.	B, H	D, S	Wood curb; brick casing. Owner reports nearly failed in 1925.
404	33.7	do.	B, H	D	Bored well. Wood curb and casing. Owner reports fails in drought.
406	31.7	Oct. 14, 1936	B, H	D, S	Bored well. Wood curb and casing.
407	35.7	Oct. 21, 1936	B, H	D, S	Concrete curb and casing. Strong supply.
408	Flows	Oct. 14, 1936	None	D, S	Estimated flow, 1-2 gallons a minute from 1 opening in light, brown sand.
410	49.2	do.	B, H	D, S	Stone curb; no casing. Strong supply.

Records of wells and springs in Leon County--Continued

No.	Distance from Center-ville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
411	17½ miles southwest	Hugh Campbell	W.C. Streater	--	--	Spring	--	--
412	do.	--	Venetia School	--	--	56	--	2.3
413	15½ miles southwest	Pedro Pereira, Jose De A. J. Jesus & Mariano Grande Hodges		A.J. Hodges	1924	82	8	1.4
414	16 miles southwest	Alfred Penn No. 33	R.L. Watson	R.L. Watson	1929	29	8	1.1
415	16½ miles southwest	do.	do.	Fred Ransom	1935	19	30	2.5
417	17½ miles southwest	Elijah Allen	Mrs. O. L. Winstead	Furman Greer	1925	32	6	1.8
418	17 miles southwest	do.	W.A. Sparks	W.A. Sparks	1903	51	--	1.3
419	do.	do.	J.H. Faison	-- Watson	1934	30	8	2.2
421	do.	Joel Langham	Moore Grocery Co.	Buck Watson	1930	28	--	0.9
422	16½ miles southwest	do.	do.	Monroe Watson	1935	31	8	2.5
426	16½ miles west	H.M. Winn	B.A. Haynie	Grover Watson	1930	73	8	--
427	do.	do.	do.	--	1925	33	36	2.2
428	16 miles west	Chas. M. Jones	R.F. Dean	Monroe Watson	1908	21	42	2.1
429	do.	Hiram Ferrill	Goree King	do.	1934	22	8	1.9

No.	Distance from Oakwood	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
501	7½ miles southwest	Wm. Feller	J.R. Mullenax	J. R. Mullenax	1934	17	--	2.3
502	8 miles southwest	John S. Carson	D.R. McKinnon	W. Nichols	--	30	48	1.9
503	7 miles southwest	do.	B.F. Utsey	B.F. Utsey	1902	19	--	3.5
d/504	do.	do.	D.R. McKinnon	Keech Pet. Corp.	--	--	--	--
505	4½ miles southwest	J. A. J. Morgan	J.E. Morgan	J.E. Morgan	1927	32	--	2.4
506	3½ miles southwest	J.M. Sanchez	Will Holly	-- Knight	1934	10	--	1.2
507	1 mile southwest	I. & G. N. R. R.	A. F. Lambeth	Tom Riding	1932	47	--	2.9
508	In Oakwood	H.A. Boyd	D. B. Scarborough	Geo. Crook	--	300	4	--
509	do.	--	City of Oakwood	Southern Service Co.	1929	189	12	--
510	½ mile southeast	Benjamin Millspaugh	E.B. McMillan	--	--	34	36	2.4



G. H. Shafer, Project Superintendent

No.	Water Level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Remarks
	Depth below measuring point (feet)	Date of measurement			
411	Flows	Oct. 14, 1936	None	D, S	Estimated flow, 1 gallon a minute from sand in creek bed. Known locally as Mill Branch Spring.
412	49	Oct. 12, 1936	None	N	Wood curb; no casing. Formerly supplied school.
413	75.1	Oct. 16, 1936	B, H	D, S	Bored well. Wood curb and casing. Strong supply.
414	32.8	do.	B, H	D, S	Bored well. Wood curb and casing.
415	11.3	do.	B, H	D, S	Wood curb; concrete casing. Strong supply.
417	21.3	Oct. 13, 1936	B, H	D, S	Bored well. Wood curb and casing. Strong supply.
418	43.4	do.	C, W	D, S	Bored well. Wood pipe-clamp curb; no casing. Strong supply.
419	22.2	Oct. 12, 1936	B, H	D, S	Bored well. Wood curb and casing.
421	22.5	Oct. 13, 1936	B, H	D, S	Strong supply.
422	25.8	do.	B, H	D, S	Bored well. Wood curb and casing. Tenant reports water in white sand.
426	68	<u>e/</u>	B, H	D, S	Bored well. Wood casing. Strong supply.
427	26.8	Oct. 13, 1936	B, H	D, S	Brick curb and casing. Strong supply.
428	16.1	do.	B, H	D, S	Wood curb; galvanized iron casing.
429	9.7	Oct. 12, 1936	B, H	D, S	Bored well. Tile curb and casing.

No.	Depth below measuring point (feet)	Date of measurement	Pump and power <u>b/</u>	Use of water <u>c/</u>	Remarks
502	24.6	Feb. 24, 1937	B, H	D, S	Wood curb; stone curb to 8 feet.
503	17.1	do.	B, H	D, S	Wood curb; no casing. Strong supply.
504	--	--	--	--	Oil test. Neighbor reports flowing water was found at 1,180 feet.
505	27.7	Feb. 24, 1937	B, H	D, S	Wood curb; no casing. Strong supply.
506	7.3	Dec. 29, 1936	B, H	D, S	Concrete curb and casing. Strong supply.
507	44.8	do.	B, H	D, S	Wood curb; no casing. Owner reports barrel curb at bottom. Strong supply.
508	50	<u>e/</u>	C, E, $\frac{1}{2}$	D, S	Drilled well. Galvanized iron casing. Estimated yield, 8 gallons a minute.
509	10	<u>e/</u>	T, E, $\frac{1}{2}$	P Ind	Drilled well. Supplies city of Oakwood. Strong supply.
510	12.8	Feb. 12, 1937	B, H	D, S	Cement curb; brick casing. Strong supply.

Records of wells and springs in Leon County--Continued

No.	Distance from Oakwood	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
511	2½ miles southeast	Andrew Boyer	J.M. Dixon	--	--	19	36	2.4
513	3 miles south	Wilson O. Reavis	Will Hagler	--	--	32	6	2
514	3½ miles south	Thomas Orenbaun	I.N. Calvin	--	--	49	48	1.8
516	4 miles southeast	Sarah Patton	H.T. Richmond	H. T. Richmond	1929	21	6	1.9
d/517	5 miles southeast	Joe Longe	Ike Owens Estate	R. Johnson	1935	51	36	2.6
518	7 miles southeast	Wm. Little	Curry Devaughns	Levi Andy	1930	34	36	2.7
519	9½ miles southeast	Henry W. Sublett	C.R. Polen	do.	1932	29	36	2.2
520	10 miles southeast	do.	do.	Humble Oil & Ref. Co.	1933	--	4	--
521	12 miles southeast	Henry Smith	S.M. Hammett	do.	--	--	4	--
522	13½ miles southeast	C. Patrick	Esther Challecomb	do.	1932	146	4	--
523	11½ miles southeast	John P. Jones	Simon Tryon	I. Williams	1928	50	36	1.1
524	12 miles southeast	F. Lindemar	Esther Challecomb	--	--	750	--	--
525	9 miles southeast	Sarah Patton	Riley Pate	--	--	Spring	--	--
526	do.	do.	do.	--	--	55	--	2.6
527	7 miles southeast	Alfred Penn No. 6	Wm. P. Simpson	Rob Dunbar	--	57	40	2
d/528	do.	do.	do.	McMasters & Pomeroy	--	704	--	--
529	5 miles south	Jas. Clark	R.R. Johnson	R.T. Johnson	1913	43	--	1.7
531	5½ miles south	W.W. Hill	Mrs. Bell Haley	--	--	44	--	3.3
532	6½ miles south	Thomas Ross	Wm. P. Simpson	Smith & Epps	1929	59	36	3
533	8 miles south	J.H. Seale	do.	Arthur Debeard	--	174	8	--
534	6½ miles south	John Harrington	do.	do.	1935	354	8	--
535	7 miles south	Thomas Irwin	do.	do.	1936	396	6-5/8	--
536	6½ miles south	do.	do.	Rob Dunbar	1912	87	42	--

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

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

G. H. Shafer, Project Superintendent

No.	Water Level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Remarks
	Depth below measuring point (feet)	Date of measurement			
511	10.5	Feb. 12, 1937	B.H	D,S	Wood curb and casing. Strong supply.
513	15.6	Feb. 9, 1937	B.H	D,S	Bored well. Wood curb and casing. Strong supply.
514	41.2	do.	B,H	D,S	Brick curb and casing. Strong supply.
516	13.7	Feb. 12, 1937	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
517	50.6	do.	B,H	D,S	Wood curb; no casing. Tenant reports fails in drought.
518	31.3	do.	B,H	D,S	Wood curb and casing. Tenant reports nearly fails in drought.
519	25.6	do.	B,H	D,S	Cement curb; brick casing. Strong supply.
520	Flows	do.	None	N	Core test. Estimated yield, 100 gallons a minute. Located near Trinity River.
521	Flows	Feb. 25, 1937	None	N	Core test. Estimated yield, 100 gallons a minute. Located near bed of Trinity River. Temperature 72° F.
522	Flows	do.	None	N	Core test. Estimated yield, 50 gallons a minute. Located near bed of Trinity River. Temperature 73° F.
523	48.4	Feb. 12, 1937	B,H	D,S	Wood curb and casing. Strong supply.
524	Flows	Feb. 10, 1937	None	D,S,P	Drilled well. Estimated yield, 15 gallons a minute.
525	Flows	do.	None	D,S	Estimated flow, 1 gallon a minute from 1 opening in sand and rock.
526	54.7	do.	B,H	D,S	Wood curb; no casing.
527	53.2	Feb. 9, 1937	B,H	D,S	Wood curb and casing. Strong supply.
528	--	--	--	--	Drilled well. Test for flowing well. Foreman reports water sand at 540-585 feet.
529	40	Feb. 9, 1937	B,H	D,S	Bored well. Wood curb and casing. Strong supply.
531	40.7	do.	B,H	D,S	Wood curb; no casing. Strong supply.
532	59	do.	B,H	S	Wood curb and casing. Weak supply.
533	90	<u>e/</u>	D,H	D,S	Drilled well. 50 feet 10-inch casing. 124 feet 8-inch casing. Strong supply.
534	Flows	Feb. 9, 1937	None	I	Drilled well. 60 feet 8-inch steel casing. Estimated yield, 150 gallons a minute. Located in Keechi
536	58	<u>e/</u>	C.G, 1 1/2	D,S	Wood casing 0-10 feet. Strong supply. Creek bottoms. See log.

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

d/ No water sample collected for analysis.

e/ Water level reported.

Table of Drillers' logs, Leon County, Texas

	Thickness (feet)	Depth (feet)
<u>Well 33</u>		
City of Jewett, 11 miles northwest of Centerville.		
Darrick floor above ground	3	3
Sand and sandy clay	30	33
Soft yellow clay	6	39
Sandy shale	6	45
Hard clay, some sand	14	59
Hard shale	3	62
Sandy shale	27	89
Sand	7	96
Tough shale	12	108
Rotten lignite	2	110
Tough shale	43	153
Lignite	2	155
Hard shal	40	195
Rock	1	196
Shale	4	200
Rock	1 $\frac{1}{2}$	201 $\frac{1}{2}$
Shale	15 $\frac{1}{2}$	217
Hard rocky shale	17	234
Tough hard shale	38	272
Fine sand	16	288
Tough shale, some sand	8	296
Light gray fine sand	14	310
Fine white sand	40	350
Coarser white sand	46	396
Tough shale	6	402
TOTAL DEPTH		402

CASING RECORD: 262 feet of 10 $\frac{3}{4}$ -inch casing. 8-inch pipe, 238-401 feet. Screen set: 309-331; 348-370; 380-394.

Well 45  
Humble Oil and Refining Co., H. Pearlstone lease. 14 miles northwest of Centerville.

Surface	20	20
Sand and boulders	300	320
Shale and boulders	332	652
Shale and lime	466	1118
Sand and shale	92	1210
Shale and lime	152	1362
Sand and shale	112	1474
Sticky shale and lime	64	1538
Lime and shale	224	1762
Lime and sticky shale	188	1950
Broken lime	8	1958
Shale and lime	70	2028
Sticky shale and lime	72	2100
Sandy shale	5	2105
Gumbo	85	2190
Sticky shale and lime	75	2265
Shale, sand and lime	135	2430

	Thickness (feet)	Depth (feet)
<u>Well 45--Continued</u>		
Shale and lime	40	2470
Gumbo	20	2490
Gumbo and lime, tough	45	2535
Gumbo and lime	25	2560
Gumbo, lime and shale	62	2622
Lime and gumbo	28	2650
TOTAL DEPTH		5000

	Thickness (feet)	Depth (feet)
<u>Well 50</u>		
City of Buffalo, 14 $\frac{1}{2}$ miles north of Centerville.		
Sand and clay	20	20
Sandy shale	40	60
Shale and sand	67	127
Tough shale	23	150
Sandy shale	17	167
Soapstone clay	3	170
Sandy shale	38	208
Boulders	2	210
Sandy shale	24	234
Tough shale	34	268
Hard sand	14	282
Gumbo shale	44	326
White sand	46	372
Hard sand	4	376
White sand	20	396
Hard white sand	9	405
Sand	63	468
Shale and gumbo	28	496
Tough gumbo	10	506
Record unavailable	175	681
TOTAL DEPTH		681

CASING RECORD: 502 feet 8-inch casing. 145 feet 6-inch casing lapped 28 feet into bottom of 8-inch casing. Screen set 619-681 feet.

	Thickness (feet)	Depth (feet)
<u>Well 85</u>		
Shell Petroleum Corp., G. W. Lee farm. 11 $\frac{1}{2}$ miles north of Centerville.		
Pyritic sand and shale	500	500
Sand, shells and shale	2025	2525
Shale	1325	3850
Chalk	5	3855
Sandy shale	94	3949
Chalk	115	4064
Shale and shells	430	4494
Chalk	111	4605
Shale	225	4830
Chalk	310	5140
Chalk and shale	89	5229
Shale	283	5512
Sand	26	5538
Shale	40	5578
Sand and shale	60	5638

(Continued on next page)

Table of Drillers' logs, Leon County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 85-Continued</u>		
Sand	25	5663
Shale	24	5687
Sand	26	5713
Shale and streaks of sand	35	5748
Shale and streaks of sand	73	5926
Shale	144	6040
<b>TOTAL DEPTH</b>		<b>6040</b>

CASING RECORD: 100 feet of 20-inch casing. 2,557 feet of 13 3/8-inch casing. 5,510 feet of 9 5/8-inch casing.

Well 98  
Shell Petroleum Corp., W. M. Phillips farm. 7 1/2 miles north of Centerville.

Sand	85	85
Gravel and sand	20	105
Sand	55	160
Lignite	15	175
Sand and gravel	340	515
Boulders	2	517
Lignite	8	525
Sand	28	553
Shale	7	560
Lignite	3	563
Shale	6	569
Shale and streaks of lignite	156	725
Sandy shale	85	810
Sand	15	825
Sandy shale	175	1000
Sticky shale	50	1050
Lime shell	2	1052
Shale and streaks of lignite	48	1100
Shale and broken sand	150	1250
Sandy shale and lignite	150	1400
Sticky shale	20	1420
Sandy shale and streaks of lignite	450	1870
Sandy shale and lignite	130	2000
Sand and shells	100	2100
Black shale and shells	125	2225
Hard sandy shale and shells	175	2400
Shale	130	2530
Sand, shells and lignite	43	2573
Sand, shale and lignite	145	2718
Dark gray shale and shells	242	2960
Sand and shale	167	3127
Hard sandy shale and shells	93	3220
Sandy shale	142	3362
Hard shale and shells	58	3420
Shale	715	4135
Chalk	8	4143
<b>TOTAL DEPTH</b>		<b>6300</b>

CASING RECORD: 569 feet of 12 1/2-inch casing. 5,358 feet of 9 5/8-inch casing. 6,039 feet of 7-inch casing. 6,142 feet of 5-inch casing.

	Thickness (feet)	Depth (feet)
<u>Well 104</u>		
Shell Petroleum Corp., Alonzo Jones Farms 6 1/2 miles north of Centerville.		
Sand, shale and boulders	297	297
Shale	207	504
Sand	61	565
Shale	30	595
Sand and shale	30	625
Sticky shale	50	675
Sand	46	721
Shale and broken sand	299	1020
Sand	321	1341
Hard sand	169	1510
Sand	75	1585
Hard sand	95	1680
Shale and sand	190	1870
Hard sand	30	1900
Sand and shale	100	2000
Shale and boulders	40	2040
Shale	20	2060
Sand	72	2132
Shale	100	2232
Shale and shells	89	2321
Shale	211	2532
Shale and boulders	93	2625
Shale and shells	51	2676
Shale	269	2945
Hard sandy lime	20	2965
<b>TOTAL DEPTH</b>		<b>6024</b>

CASING RECORD: 5,946 feet of 7-inch casing. 64 feet of 5-inch casing. 590 feet of 13 3/8-inch casing. 5,965 feet of 2-inch tubing.

	Thickness (feet)	Depth (feet)
<u>Well 108</u>		
Shell Petroleum Corp., Alice Beggs farm. 6 miles north of Centerville.		
Surface clay	15	15
Hard sand	200	215
Sandstone and boulders	1	216
Lignite and sand	9	225
Hard sand	20	245
Sandstone and boulders	1	246
Sand and streaks of lignite	69	415
Hard quartzitic sandstone	1	416
Sand and lignite	161	577
Gray sand and lignite	23	600
Sand, lignite and brown shale	60	660
Sand and lignite	40	700
Sandy shale and boulders	477	1177
Sand and boulders	108	1285
Shells and sand boulders	228	1513
Sand and sandy shale	326	1839
Sand and shale	71	1910
Sand rock	2	1912

(Continues on next page)

Table of Drillers' logs, Leon County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 108-Continued</u>		
Sand, shale and lignite	81	1993
Boulders	3	1996
Shale and boulders	164	2160
Sand rock	4	2164
Hard sand	1	2165
Sandy shale	131	2296
Boulders	3	2299
Sandy shale and boulders	53	2352
Gray sandy shale and sand boulders	48	2400
Gray shale and shells	368	2768
<b>TOTAL DEPTH</b>		<b>6140</b>

CASING RECORD: 577 feet of 13-3/8-inch casing. 5,688 feet of 7-inch casing. 5,808 feet of 5-inch casing. 57 feet of 3 1/2-inch tubing. 5,788 feet of 2 1/2-inch tubing.

	Thickness (feet)	Depth (feet)
<u>Well 115</u>		
Shell Oil Co. & Penn. Oil Co., J. H. Strickland farm. 10 1/2 miles northeast of Centerville. (Record taken from pages 623 and 631. University of Texas Bulletin 3232.		
Record not available	46	46
Clay, brown, sandy at top-	7	53
Clay, brown	4	57
Sand, loose	6	63
Clay, brown, sandy	20	83
Clay, brown, sandy, some brown sand, trace of green sand	100	93
Sand, loose	10	103
Sand, tight	20	123
Sand, loose	277	400
Clay, slightly lignitic	355	435
Clay, dark gray, with some light sand, slightly lignitic some fossils	6	441
Clay, sandy, chocolate-colored few fossils, trace of green-sand	9	450
Clay, sandy, chocolate-colored, trace of green sand	4	454
Clay, gray, little sandy clay stone at base	8	462
Clay, gray, somewhat sandy	3	465
Clay, gray and chocolate colored	20	485
Clay, chocolate-colored	8	493
Clay, dark gray	6	499
Clay, chocolate-colored	7	506
Clay, chocolate-colored, sandy containing some greensand, concretions, and fossils near the top and bottom	15	521

	Thickness (feet)	Depth (feet)
<u>Well 115--Continued</u>		
Greensand, clayey, containing concretions at bottom	13	534
Greensand, clayey	2	536
Clay, chocolate-colored, with greensand, few fossils and concretions	14	550
Greensand, clayey	2	552
<b>TOTAL DEPTH</b>		<b>552</b>

	Thickness (feet)	Depth (feet)
<u>Well 233</u>		
Sun Oil Co., Mrs. Mary Ella Grayson farm. 17 1/2 miles west of Centerville.		
Shale	48	48
Lime boulders	1	49
Shale and sandy shale	127	176
Rock	1	177
Shale and sandy shale	454	631
Hard sand	13	644
Shale	62	706
Lime	4	710
Sandy shale and shale	775	1485
Lime	1	1486
Sandy shale and shale	64	1550
Sandy lime	4	1554
Shale and sandy shale	486	2040
Lime	2	2042
Shale and sandy shale	1415	3457
Chalk	178	3635
<b>TOTAL DEPTH</b>		<b>6010</b>

	Thickness (feet)	Depth (feet)
<u>Well 249</u>		
City of Marquez, 15 miles west of Centerville.		
Derrick floor above grade	3	3
Joint clay	51	54
Soft rock	2	56
Tough clay	32	88
Fine blue sand and shale	88	176
Sand	28	204
Shale and sand	36	240
Shale	5	245
Sand	50	295
Gumbo shale	15	310
Hard fine sand	5	315
Shale	5	320
Lignite	1	321
Shale	4	325
Hard sand	15	340
Sandy shale	66	406
Tough shale	30	436
Hard sand, streaks of shale	36	472
Tough shale, lignite streak	6	478
Tight fine sand	28	506
Tough shale, lignite streak	25	531
Very fine soft sand	8	539

(Continued on next page)

Table of Drillers' logs, Leon County--Continued

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)		
<u>Well 249-Continued</u>				<u>Well 535</u>					
Tough shale, same coarse sand	45	504	Wm. P. Simpson, T. Irwin Survey.	7 miles					
Fine sand	26	610	south of Oakwood.		Top soil	3	3		
Rock	2	612	Clay and yellow sandstone		Clay and yellow sandstone	21	24		
Fine sand	70	682	Black sandy clay		Black sandy clay	5	29		
Tough shale	9	691	Black lignitic clay		Black lignitic clay	12	41		
TOTAL DEPTH		691	Heavy blue gumbo		Heavy blue gumbo	65	106		
CASING RECORD: 400 feet of 7-inch casing. 4 $\frac{1}{2}$ -inch line pipe, 388-691 feet. Screen set: 350-371; 601-678 feet.				Greensand				5	136
				Lignitic clay				4	140
				Greensand				13	153
				Sand and gray clay				40	193
				Gumbo with pyrite				19	212
				Sand				15	227
				Lignitic sand				9	236
				Clear white layers of sand				42	278
				Gumbo				118	396
				TOTAL DEPTH					396
				CASING RECORD: 270 feet of 6-5/8-inch casing.					
<u>Well 534</u>									
Wm. P. Simpson, John Harrington Survey.									
6 $\frac{1}{2}$ miles south of Oakwood.									
Clays and sand	40	40							
Red rock	7	47							
White water sand	10	57							
Blue gumbo	33	90							
Sand, clays, and gumbo	45	135							
Gumbo	46	181							
White sand	25	206							
Green sand	6	212							
White packed sand	6	218							
Blue gumbo	112	330							
White packed sand	24	354							
TOTAL DEPTH		354							
CASING RECORD: 354 feet of 8-inch casing.									

Logs of test wells drilled by W. P. A. labor in Leon County, Texas.  
 Samples examined and classified by G. H. Shafer,  
 Project Superintendent.

	Thickness (feet)	Depth (feet)
<u>Well 6</u>		
Rolling land, on east side of county road near southwest corner of F. C. Everett 74 acre tract, J. K. Shipp Survey. 17 miles west of Centerville.		
Gray top soil	4	4
Tan and yellow clay	1	5
Tan sand and gravel	1	6
Laminated tan and gray lumpy sand	3	9
Glaucanitic sand rock	4	13
Yellow and gray sand, compact, glaucanitic	2	15
Gray micaceous sand with iron rust stains	3	18
Water level, 17.6 feet below top of ground $\frac{1}{2}$ hour after hole completed. Water sample collected. Nov. 25, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 7</u>		
Level land, on north side of county road near southeast corner of S. R. Thomas 84 acre tract, J. K. Shipp Survey. 17 $\frac{1}{2}$ miles west of Centerville.		
Surface clay and sand	1	1
Yellowish-brown clay	1	2
Gray clay and sand, carbonaceous	1	3
Gray sand, friable, iron rust stains	1	4
Blue sandy clay, lignitiferous glaucanitic	4	8
Chocolate-colored clay with limonitic stains	1	9
Blue sandy clay, lignitic	1	10
Brownish-gray clay with rusty stains, carbonaceous	1	11
Blue clay, micaceous with thin layer of gray sand-	2	13
Red and gray sandy clay with ferruginous stains	2	15
Fine gray sand	1	16
Stuck water at 16 feet.		
Water level, 14.9 feet below top of ground, $\frac{1}{2}$ hour after hole completed. Water sample collected. Nov. 25, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 10</u>		
Rolling land, on east side of county road near center west line of J. A. Ellis 126 acre tract, Thomas McCallum Survey. 16 miles west of Centerville.		

	Thickness (feet)	Depth (feet)
<u>Well 10-Continued</u>		
Gray top sand	1	1
Light brown sand	3	4
Tan clay and sand, medium-grained limonitic	1	5
Tan and yellow sand, friable glaucanitic	6	11
Yellow sand, limonitic, with streaks of gray sand	4	15
Tan sand, carbonaceous, friable, medium-grained	5	20
Red, orange and gray laminated sand, coarse	2	22
Gray, buff and tan clay and sand stratified, medium-grained	1	23
Water level, 22 feet below top of ground 24 hours after hole completed. Water sample collected. Nov. 21, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 12</u>		
Hillside, on south side of county road east center of B. Tracy 131 acre tract, J. M. Shipp Survey. 15 miles west of Centerville.		
Brown top soil	1	1
Brownish-red sand glaucanitic	4	5
Bluff glaucanitic, coarse-grained sand	9	13
Laminated gray and buff sand coarse, friable, few iron gravel disseminated	4	17
Water level, 14.2 feet below top of ground, $\frac{1}{2}$ hour after hole completed. Water sample collected. Nov. 28, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 17</u>		
Gently rolling land, on north side of county road near northwest corner, J.F. Lummus 70 acre tract, T. B. Hearn Survey. 13 $\frac{1}{2}$ miles northwest of Centerville.		
Brown top sand	3	3
Orange sand, ferruginous, friable, medium-grained, glaucanitic	8	11
Buff and gray stratified sand	3	14
Coarse gray sand and limonitic strains	9	23
Water level, 22.4 feet below top of ground 2 hours after hole completed. Water sample collected. Nov. 28, 1936.		



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

	Thickness (feet)	Depth (feet)
<u>Well 22</u>		
Gentle slope, on south side of county road near center of J. J. Bottom 94 acre tract, T. B. Hearn Survey, 13 miles northwest of Centerville.		
Brown top sand	2	2
Orange sand, ferruginous glaucenitic medium-grained, friable	9	11
Orange sand, few streaks of gray sand, coarse-grained, friable, glaucenitic	2	13
Gray sand, coarse, friable, glaucenitic	3	16
White coarse sand and small clay-iron-stone concretions	10	26
Water level, 25.1 feet below top of ground, 2 hours after hole completed.		
Water sample collected, Nov. 28, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 27</u>		
Indraw, on east side of Old "railroad dump near center of W. P. Platt 57 acre tract, H. Porter Survey, 10 1/2 miles northwest of Centerville.		
Brown surface sand	2	2
Stratified brown and gray sand	1	3
Red and gray sandy clay	5	8
Tan and gray sand	2	10
White micaceous sand with limonitic stains	5	15
Light brown silty sand	1	16
Dark brown micaceous, silty sand	2	18
Fine gray sand	1	19
White micaceous sand	8	27
Light brown sand, silty micaceous	4	31
White sand, micaceous	3	34
Gray sand, micaceous glaucenitic	8	42
Water level, 38.2 feet below top of ground, 1 hour after hole completed.		
Water sample collected, Nov. 11, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 36</u>		
Gentle slope, on south side of county road near center of Mary adkisson 320 acre tract, Chas. J. Cummins Survey, 9 1/2 miles northwest of Centerville.		
Surface soil	1	1
Gray sand	11	2
Orange and gray sandy clay	1	3
Tan and gray sand	1	4
Light tan and gray sandy clay	1	5
Buff sand with yellow stains	1	6
Gray and orange clay	2	8
Hard, gray, sandy clay with yellow stains	2	10
Gray sand with yellow stains	1	11
Struck water at 11 feet.		
No water sample collected, Dec. 5, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 37</u>		
Hillside, on north side of county road near northwest corner of Mrs. M. E. Black 180 acre tract, Daniel M. Frisman Survey, 9 miles northwest of Centerville.		
Gray surface soil	1	1
Mottled yellowish clay and clay-iron-stone fragments	2	3
Red and gray stratified, ferruginous sandy clay	4	7
Yellow and gray sandy clay	2	9
No water sample collected, Dec. 5, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 40</u>		
Gentle slope, on east side of State Highway 42 near northwest corner, B. D. Dashiell 98 acre tract, Joel Banks Survey, 12 miles northwest of Centerville.		
Gray top sand	2	2
Red and gray sandy clay	3	5
Buff and gray sandy clay with limonite stains	1	6
Stratified gray, yellow and brown clay and sand	3	9
Brown and gray sand with rusty stains	2	11
Gray and yellow sand, fine	5	16
Fine gray sand with ferruginous stains	2	18

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

	Thickness (feet)	Depth (feet)
<u>Well 40--Continued</u>		
Stratified buff and gray sand, ferruginous	5	23
Stratified pinkish-gray and yellow sand, fine	2	25
Tan sand, medium-grained, glauconitic	4	29
Gray sand, medium-grained	2	31
Struck water at 29 feet.		
Water level, 27 feet below top of ground 1 hour after hole completed. Water sample collected. Dec. 5, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 42</u>		
Hillside, on east side of State Highway 43 near southwest corner of Luther Gaskins 299 acre tract, A. Smith Survey. 12½ miles northwest of Centerville.		
Surface soil	1	1
Gray sand	2	3
Yellow and gray sandy clay	1	4
Red and gray clay	2	6
White sand with rusty stains	1	7
Light buff sand with streaks of white sand	2	9
Tan and gray sand, medium grained	1	10
Tan and gray sandy clay	2	12
Laminated, white and yellow sand, ferruginous	1	13
White and chocolate-colored sand	1	14
Yellow and white sand, ferruginous	1	15
Brown and gray silt, lignitiferous, containing lumps of lignite	4	19
Brown and gray lignitiferous sand with lumps of brown lignite	2	21
Light brown sand and lignite	1	22
Brown marl, silty lignitiferous	1	23
Dark brown clay and sand, lignitiferous	1	24
Dark brown lignitiferous clay	1	25
Dark brown sand, medium-grained, micaceous, glauconitic	1	26
Struck water at 26 feet.		

	Thickness (feet)	Depth (feet)
<u>Well 42--Continued</u>		
Water level, 23.2 feet below top of ground, 3 hours after hole completed. No water sample collected. Dec. 5, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 48</u>		
Hillside, on east side of U. S. Highway 75 near northeast corner, of B. H. Glenn tract, H. Mendiola Survey. 15½ miles northwest of Centerville.		
Brown top soil	2	2
Light brown medium-grained sand	2	4
Laminated red and yellow sandy clay	1	5
Red-brown clay and sand	1	6
Stratified gray and brown sand, fine slightly coherent	4	10
Gray limonitic sand, medium-grained, tough	2	12
Bluish-gray sand, medium-grained	2	14
Brown clay and sand, hard	2	16
Bluish-gray clay and sand, hard	1	17
White sand, soft, flaky, fine-grained, limonitic	2	19
Gray sand, glauconitic, micaceous, reddish stains, coarse	9	28
Struck water at 28 feet.		
Water level, 23.8 feet below top of ground, ½ hour after hole completed. Water sample collected. Nov. 30, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 51</u>		
Hillside, on south side of State Highway 43 near center of Handy Amos 71 acre tract, G. W. Kegans Survey. 15 miles north of Centerville.		
Brown sand	1	1
Red and gray sandy clay	2	3
Tan and gray sandy clay	1	4
Buff sandy clay	2	6
Buff sand	1	7
Gray clay	2	9
Fine gray sand and glauconite	7	16
Gray sand, limonitic	1	17
Stiff gray clay	4	21
Gray sandy clay	1	22
(Continued on next page)		

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

	Thickness (feet)	Depth (feet)
<u>Well 51-Continued</u>		
Gray and yellow sandy clay	1	23
Blue-gray sandy clay, ferruginous	3	26
Red and gray clay and sand with limonitic stains	1	27
Gray and yellow friable sand	1	28
Soft, fine yellow sand	2	30
Soft, fine yellow and gray sand	2	32
Loose white sand, coarse, glaucanitic	2	34
No water sample collected. Dec. 28, 1936.		

<u>Well 55</u>		
Hillside, on north side of county road near center south line of J. W. Cooper 147 acre tract, Elias D. Sikes Survey. 13 $\frac{1}{2}$ miles north of Centerville.		
Top soil	1	1
Red and gray clay	3	4
Gray clay	1 $\frac{1}{2}$	4 $\frac{1}{2}$
Gray sand	1 $\frac{1}{2}$	5
Gray and yellow sand with limonitic stains	7	12
Fine white sand	1	13
Tan and gray sand	2	15
Yellow and gray sand	1	16
Hard iron rock		16
No water sample collected. Feb. 15, 1937.		

<u>Well 56</u>		
In draw, on west side of U. S. Highway 75 near northwest corner of J. L. White 160 acre tract. 13 miles north of Centerville.		
Fine tan sand, silty	2	2
Laminated buff and gray sand, fine, friable	4	6
Tan sand, friable, medium- grained, glaucanitic	3	9
Chocolate-colored sand and thin laminae of gray sand limonitic stains	3	12
Chocolate-colored clay, lignitiferous, micaceous	3	15
Struck water at 9 feet.		
Water level, 9 feet below top of ground, 1 hour after hole completed. Water sample collected. Nov. 30, 1936.		

<u>Well 61</u>		
Hillside, on east side of county road north center of J. Harcrow 441 acre tract,		

	Thickness (feet)	Depth (feet)
<u>Well 61--Continued</u>		
Joseph Beaty Survey, 9 $\frac{1}{2}$ miles north of Centerville.		
Gray top soil	2	2
Gray sand, medium-grained	1	3
Gray and buff clay and sand	2	5
Tan and gray sandy clay	3	8
Gray and orange clay and sand	2	10
Gray and orange sand, well cemented	1	11
Tan and gray sand	1	12
Tan sand	2	14
Fine tan sand	1	15
Gray sand	1	16
Cream-colored sand	1	17
Pinkish sand, lumpy	1	18
Yellow sand, medium- grained	1	19
Gray and yellow sand	1	20
Yellow sand	1	21
Yellow and gray sand, micaceous	2	23
Soft tan and gray sand	5	28
Gray and yellow sand	4	32
Fine red sand and chocolate clay	4	36
Water level, 35.7 feet below top of ground, $\frac{1}{2}$ hour after hole completed. Water sample collected. Dec. 10, 1936.		

<u>Well 64</u>		
Hillside, on south side of county road near southwest corner of Jas. Belger 393 acre tract, F. B. McAninch Survey 6 $\frac{1}{2}$ miles northwest of Centerville.		
Top sand	1	1
Soft, yellow, ferruginous	1	2
Stratified red and yellow sandy clay	1	3
Stratified red and gray sandy clay	3	6
Stratified gray and yellow sandy clay	1	7
Gray sandy clay, ferrugi- nous	4	11
Light chocolate-colored sandy clay, limonitic stains, sticky	3	14
Dark chocolate-colored clay with streaks of gray sand	2	16

(Continued on next page)

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

	Thickness (feet)	Depth (feet)
<u>Well 64--Continued</u>		
Chocolate-colored clay, lignitiferous, carbonaceous, ferruginous	2	18
Struck water at 16 feet.		
Water level, 13.2 feet below top of ground, 1 hour after hole completed. Water sample collected. Dec. 10, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 67</u>		
Hillside, on south side of county road near center south line of C. A. Coburn 100 acre tract, Joseph Ferguson Survey. 6 $\frac{1}{2}$ miles north of Centerville.		
Gray top sand	2	2
Light tan and red sandy clay	1	3
Red and gray sandy clay, gravel	1	4
Tan and gray sandy clay, ferruginous	2	6
Ferruginous gray and buff sand, medium-grained, glaucinitic	4	10
Gray sand, coarse, with dark green grains of glaucinite intermixed	1	11
Struck water at 11 feet.		
Water level, 9.5 feet below top of ground $\frac{1}{2}$ hour after hole completed. Water sample collected. Dec. 10, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 68</u>		
Hillside, on west side of U. S. Highway 75 near northwest corner of T. A. Sullivan 120 acre tract, Olnor McCoy Survey. 6 miles north of Centerville.		
Brown top soil, sandy	2	2
Stratified red and gray sandy clay	8	10
Fine light gray sand, ferruginous nodules	2	12
Stratified brown and gray sand, fine, glau- conitic	2	14
Laminated red and gray sand, medium-grained, ferruginous, friable	2	16
Buff and gray glauconitic sand	1	17
Buff sand, micaceous glaucinitic, ferruginous, containing fragments of iron carbonate	2	19
No water sample collected. Nov. 30, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 70</u>		
Hillside, on north side of county road north center of E. E. Coburn 270 acre tract, E. White Survey. 6 $\frac{1}{2}$ miles north of Centerville.		
Sandy top soil	2	7
Tan and gray sandy clay and iron gravel	6	8
Tan sand, micaceous	7	15
Gray and tan sand, micaceous	1	16
Gray and buff sand	2	18
Dark buff and gray sand, glaucinitic, micaceous	3	21
Gray and buff sand, limonitic	2	23
Gray sand, micaceous	3	26
Struck water at 26 feet.		
Water level, 24.8 feet below top of ground, 48 hours after hole completed. Water sample collected. Dec. 28, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 74</u>		
Gentle slope, on north side of county road near center south line of E. B. Smith 102 acre tract, A. T. Kerr Survey. 8 $\frac{1}{2}$ miles north of Centerville.		
Surface sand	2	2
Tan and gray clay and sand	1	3
Fine buff sand	1	4
Buff and gray sand	3	7
Gray, brown and yellow clay and sand	1	8
Fine gray and yellow sand	2	10
Gray and buff sand, micaceous	2	12
Gray and yellow sand, micaceous	1	13
Fine yellow sand	2	15
Buff and gray sand	1	16
Gray and yellow sand and chocolate-colored clay	3	19
Fine gray sand	1	20
Struck water at 20 feet.		
Water level, 17.5 feet below top of ground, 82 hours after hole completed. Water sample collected. Dec. 10, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 76</u>		
Hillside, on south side of county road near southwest corner of J. B. Adams 71 acre tract, A. T. Kerr Survey. 9 miles north of Centerville.		

(Continued on next page)

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

	Thickness (feet)	Depth (feet)
<u>Well 76--Continued</u>		
Brown surface sand	2	2
Yellow clay and sand	1	3
Red and gray sandy clay and iron rock	2	5
Tan sandy clay and iron gravel	3	8
Tan and gray sandy clay	1	9
Yellow and gray sand	2	11
Gray and tan sand	1	12
Yellow and gray sand and iron gravel	4	16
Gray sand, glauconitic	1	17
Gray and yellow sand and hard layer of limonite	1	18
No water sample collected. Feb. 4, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 80</u>		
Hillside, on south side of Old Buffalo-Guys Store road near center of H. L. Garland 35 acre tract, A. T. Kerr Survey. 10 miles north of Centerville.		
Gray sand	2	2
Red and brown sandy clay	1	3
Red, brown and gray sandy clay	2	5
Stratified red and gray sandy clay	1	6
Red, gray and brown sandy clay	1	7
Buff sand and gray clay, micaceous	1	8
Gray clay and yellow sand	1	9
Gray and buff sand	1	10
Blue-gray sandy clay	1	11
Buff sand and gray clay	2	13
Gray, buff and brown sand, fine-grained	2	15
Fine-gray micaceous sand	1	16
Chocolate-colored clay, limonitic	1	17
Gray sand and brown clay	2	19
Coarse gray sand, glau- conitic, micaceous	9	28
No water sample collected. Feb. 4, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 83</u>		
Hillside, on south side of county road near center north line of T. V. House 120 acre tract, W. T. Lummus Survey. 11 1/2 miles north of Centerville.		
Gray sand	1	1
Gray sand and iron rock	1	2
Tan, sandy clay and iron gravel	2	4

	Thickness (feet)	Depth (feet)
<u>Well 83-Continued</u>		
Brown, gray and yellow sandy clay, micaceous	1	5
Chocolate-colored and gray sandy clay with iron rust stains, micaceous	1	6
Chocolate-colored clay and sand, micaceous	2	8
Chocolate-colored and gray sand, medium-grained hard and lumpy	1	9
Gray sand, limonitic, mealy, medium-grained, loose, glauconitic	4	13
Clay-iron-stone rock and yellowish-gray, loose sand	3	16
Brown sand, friable, medium-grained	1	17
Brown sand, micaceous glauconitic, mealy fragments of iron rock	6	23
Chocolate-colored sand, micaceous, lignitiferous, medium-grained	1	24
Gray sand, coarser than above, few chocolate colored streaks, micaceous	1	25
Struck water at 25 feet. Water level 22.8 feet below top of ground, 20 hours after hole completed. Water sample collected. Feb. 15, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 87</u>		
Hillside, on west side of county road near southeast corner of Wm. P. Simpson 100 acre tract, W. A. Patrick Survey. 12 1/2 miles northeast of Centerville.		
Light red clay, clay iron stone rock and gravel	3	3
Buff sand, micaceous	5	8
Red, yellow and gray sand	1	9
Chocolate-colored and gray clay and sand, limonitic	2	11
Light-brown and yellow sand, micaceous	4	15
Chocolate-colored yellow sandy clay with layers of limonite	1	16
Chocolate-colored gray sandy clay, lignitiferous, with clay-iron-stone	2	18
No water sample collected. Feb. 16, 1937.		

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

	Thickness (feet)	Depth (feet)
<u>Well 90</u>		
Hillside, on west side of county road near northwest corner of W. B. Yarbrough 160 acre tract, John W. Boykin Survey, 11 miles north of Centerville.		
Sandy surface soil	1	1
Gray sand	1	2
Red and gray clay	1½	3½
Tan and gray sandy clay with streaks of yellow sand	1½	5
Gray sand with limonitic stains	11	16
Yellow and gray sand, fine grained	1	17
Yellow and gray sand with streaks of chocolate colored sand	2	19
Red and tan sand	1	20
Tan, gray and yellow sand	1	21
Struck water at 17 feet.		
Water level, 15.7 feet below top of ground, 1 hour after hole completed		
Water sample collected, Feb. 16, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 92</u>		
Hilltop, on north side of county road near center south line of O. K. Taylor 100 acre tract, B. B. B. & C. R. R. Survey, 11 miles north of Centerville.		
Surface soil	2	2
Tan sandy, micaceous clay and gravel	1	3
Light red sand and iron gravel	3	6
Buff and gray sand	1	7
Pink and gray sand	1	8
Fine pink and yellow sand	1	9
Gray and yellow sand mica-	3	12
Buff and gray sand, fine	1	13
Gray and buff sand and layer of limonite	3	16
Chocolate-colored clay with streaks of gray sand	1	17
Gray sand, fine, micaceous	3	20
Chocolate-colored clay	2	22
Chocolate-colored and gray sand, silty	3	25
Hard iron rock		25
No water sample collected, Dec. 28, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 93</u>		
Hillside, on east side of county road near southeast corner of W. B. Yarbrough 160 acre tract, John W. Boykin Survey, 11 miles north of Centerville.		
Sandy top soil	1	1
Tan sand, glauconitic	2	3
Red and gray sand	1	4
Gray and yellow sand	1	5
Orange sand and rock	2	7
Yellow and gray sandy clay	1	8
Gray and yellow clay and sand with limonite stains	4	12
Light chocolate-colored, sandy clay with streaks of gray and yellow sand	2	14
Chocolate-colored sandy clay	2	16
Brownish-gray and orange sand	1	17
Chocolate-colored, sandy lignitiferous clay	½	17½
No water sample collected, Feb. 15, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 94</u>		
Hillside, on south side of county road near northeast corner of G. W. Bounds 235 acre tract, Joe Whitfield Survey, 10 miles northeast of Centerville.		
Gray sandy soil	1	1
Tan clay and sand	2	3
Tan, red and gray clay, sand iron-stone	4	7
Tan, red and gray sand, coarse-grained, mealy	1	8
Stratified red and gray clay with iron-stone	1	9
Gray and brown sandy clay with limonitic stains	2	11
Gray and yellow sand with streaks of brown clay	1	12
Gray and chocolate-colored clay and sand with streaks of brown clay and limonitic stains	1	13
Chocolate-colored, sandy clay with streaks of gray sand	4	17
Struck water at 17 feet.		
Water level, 14.3 feet below top of ground, 20 hours after hole completed.		
Water sample collected, Feb. 15, 1937.		

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

	Thickness (feet)	Depth (feet)
<u>Well 97</u>		
Hillside, on south side of county road near northwest corner of C. W. Phillips 160 acre tract, R. B. Phillips Survey. 7 $\frac{1}{2}$ miles south of Centerville.		
Surface soil	1	1
Tan clay and sand	3	4
Red and gray sandy clay, micaceous	1	5
Tan and gray clay and sand	3	8
Buff and gray sand glauconitic	2	10
Buff and gray sand, finer than above	2	12
Gray, buff and brown sand, fine-grained	3	15
Yellow-brown and gray sand, micaceous	1	16
Gray clay with streaks of brown sand and fragments of iron-rock	1	17
Hard layer of iron-rock		17
No water sample collected. Feb. 8, 1937		

	Thickness (feet)	Depth (feet)
<u>Well 101</u>		
Hillside, on south side of county road near northwest corner of A. Jones 160 acre tract, J. F. Marsh Survey. 7 miles north of Centerville.		
Brown sand, glauconitic weathers gray	9	9
Quicksand		9
No water sample collected. Feb. 5, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 102</u>		
In draw, on south side of county road near northeast corner of J. C. Jones 105 acre tract,--Ferguson Survey. 7 miles north of Centerville.		
Sandy surface soil	1	1
Red, tan and gray sandy clay micaceous	5	6
Buff and gray sandy clay, micaceous	2	8
Yellow sand	2	10
Gray sand, fine-grained, glauconitic	2	12
Water level, 9.3 feet below top of ground 1 hour after hole completed. Water sample collected. Feb. 5, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 110</u>		
Hillside, on east side of county road near northeast corner of A. Jones 120 acre tract, J. W. Rogers Survey. 6 $\frac{1}{2}$ miles north of Centerville.		
Sandy top soil	1	1
Tan sandy clay with streaks of light red clay	1	2
Gray and yellow sandy clay	1	3
Red and gray sandy clay	4	7
Gray and tan sandy clay with iron gravel	2	9
Gray and yellow sand and light chocolate-colored clay with fragments of limonite	6	15
Yellow sand with streaks of red sand	1	16
Chocolate-colored clay, bentonitic	1 $\frac{1}{2}$	17 $\frac{1}{2}$
Tan and gray sand	4 $\frac{1}{2}$	22
Struck water at 15 feet.		
Water level, 13.3 feet below top of ground, 2 hours after hole completed.		
Water sample collected. Feb. 8, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 124</u>		
Low land, on east side of county road approximately 100 yards south of Nash School, Andrew J. Powers Survey. 12 $\frac{1}{2}$ miles northeast of Centerville.		
Red clay and iron gravel	8	8
No water sample collected. Dec. 3, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 133</u>		
Hillside, on east side of county road S. A. Toole tract, Fernando Dol Vallo Survey. 9 miles east of Centerville.		
Surface soil	1	1
Red clay and gravel	2	3
Red sandy clay	1	4
Tan sandy clay	2	6
Tan sand, medium-grained	1	7
Orange sand	5	12
Yellow sand	3	15
Gray sand	2	17
Quick sand		17
Hole caved after 17 feet.		
Struck water at 17 feet.		
Water sample collected. Dec. 23, 1936.		

Logs of U. P. A. test wells in Leon County-Continued

	Thickness (feet)	Depth (feet)
<u>Well 149</u>		
Gentle slope, on north side of county road near southwest corner of Mary Benton 72 acre tract, Francisco Ramirez Survey 2 1/4 miles east of Centerville.		
Reddish-brown top soil	1	1
Red clay	1	2
Red and gray sandy clay	1	3
Buff clay and sand	1	4
Cream-colored sand, silty, lumpy, glauconitic	8	12
Blue sandy clay	3	15
Yellowish-brown sand	2	17
Tan sand, glauconitic	1	18
White and yellow sand, glauconitic	2	20
Coarse, white sand	2	22
Coarse, brown sand and gravel	2	24
Glauconite and gravel	3	27
Silty tan sand and gravel	1	28
Chocolate-colored clay and gravel	1	29
Fine gray micaceous sand and chocolate-colored clay	1/2	29 1/2
Mouse-colored silty sand with limonite stains	1/2	30
Fine brown sand and brown lignitiferous clay	1/2	30 1/2
Fine blue-gray sand with limonitic stains, some gravel	1	31 1/2
Tan sand and gravel	1/2	32
Brownish gray sand	1/2	32 1/2
Struck water at 32 feet.		
Water level, 31.4 feet below top of ground, 1/2 hour after hole completed. Water sample collected. Dec. 31, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 152</u>		
Hillside, on west side of U. S. Highway 75, M. A. Garver tract, Geo. K. Black. Survey. 2 miles south of Centerville.		
Top soil	1	1
Tan clay	2	3
Laminated gray sand and tan clay, ferruginous	3	6
Blue-gray clay	1	7
Gray sand, micaceous, containing iron stains	2	9
Chocolate-colored clay with streaks of tan sand, some gray sand	2	11

	Thickness (feet)	Depth (feet)
<u>Well 152--Continued</u>		
Gray and yellow sand	1	12
Black clay with streaks of tan and gray sand	2	14
Gray sandy sand black clay	3	17
Black clay	2	19
Gray sand and lignite	1	20
Black sand, silty, micaceous, lignitiferous, glauconitic	1	21
Black clay, lignitiferous, micaceous, glauconitic	4	25
Glauconite, brown, marly, streaks of green sand and limy clay with limonitic stains	1 1/2	26 1/2
No water sample collected. Dec. 5, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 156</u>		
Hillside, on north side of county road near center of J. W. Bain tract, Francisco Ramirez Survey. 1 mile east of Centerville.		
Surface soil	5	5
Tan sand	1	6
Orange sand	2	8
Red sand	2	10
Tan sandy clay	5	15
Gray and tan sand	3	18
Tan sand	5	23
Yellow sand, coarse, glauconitic	2	25
Gray and tan sand	1	26
Gray and yellow clay with streaks of red clay	1	27
Chocolate-colored and yellow clay	1	28
Chocolate-colored clay with limonite stains	4	32
Chocolate-colored clay with streaks of tan sand and lignite	1	33
Black clay and lignite	1	34
Struck water at 32 feet.		
Water level, 27.6 feet below top of ground, 48 hours after hole completed. Water sample collected. Dec. 31, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 159</u>		
Hillside, on west side of U. S. Highway 75, north center of Jos. E. Smith Survey. 3 miles north of Centerville.		
Gray sand, medium-grained	1	11
Brown sand, gerruginous	2	3
Gray and yellow sand	1	4

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

	Thickness (feet)	Depth (feet)
<u>Well 97</u>		
Hillside, on south side of county road near northwest corner of C. W. Phillips 160 acre tract, R. B. Phillips Survey. 7½ miles north of Centerville.		
Surface soil	1	1
Tan clay and sand	3	4
Red and gray sandy clay, micaceous	1	5
Tan and gray clay and sand	3	8
Buff and gray sand, glauconitic	2	10
Buff and gray sand, finer than above	2	12
Gray, buff and brown sand fine-grained	3	15
Yellow-brown and gray sand, micaceous	1	16
Gray clay with streaks of brown sand and fragments of iron-rock	1	17
Hard layer of iron-rock		17
No water sample collected. Feb. 8, 1937.		

<u>Well 101</u>		
Hillside, on south side of county road near northwest corner of A. Jones 160 acre tract, J. E. Marsh Survey. 7 miles north of Centerville.		
Brown sand, glauconitic weathers gray	9	9
Quicksand		9
No water sample collected. Feb. 5, 1937.		

<u>Well 102</u>		
In draw, on south side of county road near northeast corner of J. C. Jones 105 acre tract, Ferguson Survey. 7 miles north of Centerville.		
Sandy surface soil	1	1
Red; tan and gray sandy clay micaceous	5	6
Buff and gray sandy clay, micaceous	2	8
Yellow sand	2	10
Gray sand, fine-grained glauconitic	2	12
Water level, 9.3 feet below top of ground 1 hour after hole completed. Water sample collected. Feb. 6, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 110</u>		
Hillside, on east side of county road near northeast corner of A. Jones 120 acre tract, J. W. Rogers Survey. 6½ miles north of Centerville.		
Sandy top soil	1	1
Tan sandy clay with streaks of light red clay	1	2
Gray and yellow sandy clay	1	3
Red and gray sandy clay	4	7
Gray and tan sandy clay with iron gravel	2	9
Gray and yellow sand and light chocolate-colored clay with fragments of limonite	6	15
Yellow sand with streaks of red sand	1	16
Chocolate-colored clay, bentonitic	1½	17½
Tan and gray sand	4½	22
Struck water at 15 feet.		
Water level, 13.3 feet below top of ground, 2 hours after hole completed.		
Water sample collected. Feb. 8, 1937.		

<u>Well 124</u>		
Low land, on east side of county road approximately 100 yards south of Nash School, Andrew J. Powers Survey. 12½ miles northeast of Centerville.		
Red clay and iron gravel	8	8
No water sample collected. Dec. 3, 1937.		

<u>Well 133</u>		
Hillside, on east side of county road, S. A. Toodle tract, Fernando Del Valle Survey. 9 miles east of Centerville.		
Surface soil	1	1
Red clay and gravel	2	3
Red sandy clay	1	4
Tan sandy clay	2	6
Tan sand, medium-grained	1	7
Orange sand	5	12
Yellow sand	3	15
Gray sand	2	17
Quick sand		17
Hole caved after 17 feet.		
Struck water at 17 feet.		
Water sample collected. Dec. 23, 1936.		

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

	Thickness (feet)	Depth (feet)
<u>Well 165--Continued</u>		
Chocolate-colored sandy clay micaceous	1	21
Gray and yellow micaceous sand	1	22
Chocolate-colored sand, fine-grained, micaceous	1	23
Gray and yellow sand, fine grained, glauconitic, micaceous	1	24
Struck water at 24 feet.		
Water level, 19.7 feet below top of ground, 1 hour after hole completed.		
Water sample collected. Nov. 27, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 173</u>		
Level land, on south side of Centerville-Robbins road near center north line of A. B. Parker 75 acre tract, John Beauchamp Survey. 4 miles west of Centerville		
Brown surface sand	1	1
Gray sand, loose	1	2
Yellow glauconitic sand, slightly coherent	2	4
Stratified gray and yellow sand, almost a sandstone	2	6
White quicksand, medium-grained, glauconitic	2	8
Water level, 7.8 feet below top of ground, 1 hour after hole completed.		
Water sample collected. Nov. 10, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 174</u>		
Hillside, on south side of Centerville-Robbins road near center of J. T. Smith 290 acre tract. 5 miles west of Centerville.		
Surface soil	1	1
Brown clay and sand	2	3
Red and gray stratified sandy clay	3	6
Gray clay, limonitic stains	5	11
Brownish-gray glauconitic clay, marly	5	16
Brownish-gray and hard limonite	1	17
No water sample collected. Nov. 10, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 178</u>		
Gentle slope, on north side of Centerville-Robbins road near southwest corner of J. E. Morris 59 acre tract. 6 1/2 miles west of Centerville.		

	Thickness (feet)	Depth (feet)
<u>Well 178--Continued</u>		
Gray top soil	2	2
Light brown sand, medium grained	2	4
Buff sand, well stratified	3	7
Gray and tan sand, loose	3	10
Gray and yellow sand	2	12
Yellow sand	2	14
White and yellow sand	3	17
Gray and yellow sand	2	19
Water level, 17.5 feet below top of ground, 20 hours after hole completed.		
Water sample collected. Oct. 23, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 181</u>		
Hillside, on south side of Centerville, Robbins road near northwest corner of C. D. Craig 210 acre tract, E. H. Whitton Survey. 7 1/2 miles west of Centerville.		
Red clay and gravel	3	3
Yellowish glauconite	2	5
Glauconitic yellow marl	2	7
Yellow sandy glauconite	1	8
Yellow and buff marly glauconite and gravel	1	9
Brownish glauconitic marl, fossil shells and limonite	3	12
Greenish-black glauconitic marl and fossil shells	4	16
Hard iron rock		16
No water sample collected. Oct. 23, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 186</u>		
Gently rolling land, on west side of old "railroad dump" near northeast corner of J. Johnson Survey. 8 1/2 miles west of Centerville.		
Coarse red sand	2	2
Red and blue clay with streaks of red sand	1	3
Blue clay with streaks of gray and yellow sand	3	6
Blue clay and light gray medium-grained sand with limonitic stains	5	11
Ferruginous gray sand and thin laminae of blue clay	5	16
Fine red sand with streaks of blue clay	1	17
Red and yellow sand with streaks of blue clay	2	19
Medium-grained yellow sand with blue clay layers	2	21

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

	Thickness (feet)	Depth (feet)
<u>Well 186--Continued</u>		
Struck water at 21 feet.		
Water level, 19.4 feet below top of ground 4 hours after hole completed. Water sample collected. Oct. 1, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 189</u>		
Hillside, on north side of Concord-Marquez road, E. T. Williams 71 acre tract, George E. Dwight Survey. 8 $\frac{1}{2}$ miles west of Centerville.		
Surface soil	1	1
Red clay, gravel and red sand rock	3	4
Dark red clay	1	5
Glauconitic clay, light brownish-gray	1	6
Red clay	1	7
Dark yellow glauconitic clay and sand	$\frac{1}{2}$	7 $\frac{1}{2}$
No water sample collected. Oct. 15, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 190</u>		
Hillside, on west side of old "railroad dump" near northeast corner of W. Bolton Survey. 8 miles west of Centerville.		
Red and gray sandy clay glauconite, and limonite fragments	6	6
Glauconitic sandy clay and iron rock	1	7
Glauconite and limonite fragments	3	10
Iron rock		10
No water sample collected. Oct. 2, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 124</u>		
Hillside, foot of railroad cut on old "Railroad dump" near southwest corner of Margaret Road 243 acre tract, Jas. Stone Survey. 8 miles west of Centerville.		
Yellowish glauconitic marl and calcareous nodules	4	4
Gray sand, ferruginous	3	7
Lignitiferous sand, smoky gray	1	8
Black sandy clay	1	9
Dark brown glauconite, micaceous	5	14
Water level, 8.2 feet below top of ground $\frac{1}{2}$ hour after hole completed. Water sample collected. Nov. 11, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 196</u>		
Rolling land, on east side of Old "rail- road dump" near center of G. Ochler 35 acre tract, Edward Vose Survey. 9 miles west of Centerville.		
Brown surface sand	2	2
Brownish clay and sand, ferruginous, limonitic	2	4
Stratified red and gray clay	2	6
Buff limonitic sand	1	7
Light buff sand	2	9
White sand, coherent, fine-grained	1	10
Yellow sand and layers of gray clay	1	11
Brownish gray sand with layers of blue clay	2	13
Light gray sand, medium grained with dark green grains of glauconite	3	16
Water level, 13.9 feet below top of ground, 1 hour after hole completed. Water sample collected. Nov. 10, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 199</u>		
Rolling land, on west side of old "rail- road dump" near northeast corner W. H. Robinson 50 acre tract, Noah Guinn Survey. 9 miles west of Centerville.		
Gray top sand	3	3
Hard, grayish-yellow sand	1	4
Mottled gray and red clay and sand	3	7
Silty tan sand	2	9
Fine-grained white sand	9	18
Fine cream-colored, friable sand	4	22
Fine white sand with thin layer of blue clay	3	25
Fine gray sand and layers of blue clay	6	31
Gray sand	1	32
No water sample collected. Nov. 11, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 201</u>		
Hillside, on north side of Concord- Marquez road, J. F. Moon tract, George E. Dwight Survey. 9 $\frac{1}{2}$ miles west of Centerville.		
Surface soil	1	1
Yellow sandy clay and iron gravel	1	2
Red and yellow sandy clay and gravel	4	6
(Continued on next page)		

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

	Thickness (feet)	Depth (feet)
<u>Well 201-Continued</u>		
Yellow and gray sand and rock	3	9
No water sample collected. Oct. 15, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 204</u>		
Hillside, on south side of Concord-Marquez road near northwest corner of J. T. Haynie 164 acre tract, Alex Newberry Survey. 10 $\frac{1}{2}$ miles west of Centerville.		
Surface soil	1	1
Red clay	2	3
Yellow glauconitic sandy clay and gravel	5	8
Red sand	1	9
Gravel and limonite fragments	1	10
Yellow sand	2	12
Iron gravel and boulders	1	13
Red sand and streaks of white sand with limonite in thin layers	4	17
Red sand and limonite	2	19
Red sand and gravel	1	24
Yellow sand	1	25
Chocolate-colored clay	1	26
Red and gray clay and gravel	1	27
Ferruginous chocolate colored and gray clay	2	29
Light red sandy clay with streaks of gray sand	3	32
Bluish-gray clay and sand with ferruginous stains	1	33
Water level, 30.4 feet below top of ground, 3 hours after hole completed.		
Water sample collected. Oct. 15, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 206</u>		
Rolling land, on south side of Concord-Marquez road near southeast corner of W. B. Speer 151 acre tract, E. R. Bull Survey. 11 $\frac{1}{2}$ miles west of Centerville.		
Gray surface soil	2	2
Gray sandy clay with streaks of red clay	4	6
Gray sand	3	9
Gray sand with streaks of red sand	2	11
Gray sand	2	13
Yellow and gray sand	2	15
Yellow sand	3	18
White sand	3	21
Water level, 16.8 feet below top of ground $\frac{1}{2}$ hour after hole completed. Water sample collected. Oct. 20, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 209</u>		
Rolling land, on south side of Concord-Marquez road near west corner of W. B. Speer 151 acre tract, E. R. Bull Survey. 12 $\frac{1}{2}$ miles west of Centerville.		
Gray top soil	1	1
Red sand	2	3
Yellow sand	1	4
Red and yellow sandy clay	2	6
Gray and yellow sand	2	8
Red and yellow sand	1	9
Red and yellow sandy clay with streaks of gray sand	2	11
Buff sand with streaks of gray sand and gravel	3	14
Gray and yellow sand	1	15
White sand	3	18
Salmon pink sand with thin laminae of gray sand	2	20
Pink sand	2	22
Gray sand	2	24
Water level, 23.5 feet below top of ground, $\frac{1}{2}$ hour after hole completed.		
Water sample collected. Oct. 20, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 210</u>		
Hillside on south side of Concord-Marquez road near center First State Bank of Marquez 120 acre tract, W. M. Mann Survey. 13 miles west of Centerville.		
Surface soil	1	1
Red and gray sand	2	3
Gray and red sandy clay	1	4
Gray packed sand	1	5
Red and gray clay	2	7
Yellow sand with streaks of gray sand	1	8
Gray clay with limonitic stains, red clay on bottom	3	11
Chocolate-colored clay with thin laminae of red clay	3	14
Chocolate clay with limonitic stains and yellow sand in thin layers	2	16
Red and gray sand	1	17
Water level, 12.4 feet below top of ground, 72 hours after hole completed.		
Water sample collected. Oct. 21, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 214</u>		
Rolling land, on south side of Concord-Marquez road near west corner of D. C. Carrington 40 acre tract, James McKelvey Survey. 14 $\frac{1}{2}$ miles west of Centerville.		

(Continued on next page)

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

	Thickness (feet)	Depth (feet)
<u>Well 214--Continued</u>		
Gray sand and gravel	1	1
Red clay and gravel	1	2
Red and yellow clay and iron gravel	1	3
Yellow sand	1	4
Red clay and sand with thin layers of gray sand	2	6
Buff clay and sand	3	9
Yellow and gray sand, medium-grained	2	11
Gray sandy clay	3	14
Yellow and gray sand, micaceous, uniform grains	1	15
Gray sand, many dark grains intermixed	1	16
Yellow sand, micaceous	1	17
Water level, 15.5 feet below top of ground. 17 hours after hole completed. Water sample collected. Oct. 20, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 216</u>		
Level land, on west side of State Highway 43 near center of Jewell Martin 45 acre tract, Alex M. Coulter Survey. 14 miles west of Centerville.		
Top soil	1	1
Brown clay, lignitiferous, ferruginous	4	5
Yellow, micaceous clay	2	7
Gray micaceous clay	4	11
Stratified blue and yellow clay and gravel	3	14
Tan clay, micaceous	1	15
Chocolate-colored clay, micaceous	2	17
Tan and gray micaceous sandy clay	1	18
Tan and chocolate-colored sandy clay	1	19
Gray sandy clay	1	20
Gray sand with brown impure lignite	2	22
Struck water at 22 feet. Water level, 14.4 feet below top of ground, 3 hours after hole completed. Water sample collected. Nov. 20, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 217</u>		
Rolling prairie, on east side of county road near southeast corner of Rex Newsom 41 acre tract, Wm. Evans Survey. 14 miles west of Centerville.		
Sandy top soil and gravel	2	2
Red clay with limonitic stains	2	4

	Thickness (feet)	Depth (feet)
<u>Well 217--Continued</u>		
Red and yellow clay	1	5
Stratified red and gray clay and gravel	3	8
Gray and yellow micaceous clay	1	9
Stratified brown and yellow clay with thin layers of gray sand	2	11
Chocolate-colored clay with streaks of brown sand and limonitic stains	2	13
Struck water at 11 feet. Water level, 6.7 feet below top of ground, 1/2 hour after hole completed. Water sample collected. Nov. 20, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 218</u>		
Rolling land, on east side of State Highway 43 near east corner of Lula Grimes 44 acre tract, John Allison Survey. 13 miles west of Centerville.		
Gray top sand	4	4
Stratified yellow and gray sand	2	6
Red and gray sandy clay	1	7
Gray sandy clay with streaks of tan clay	2	9
Gray and tan, fine-grained sand	2	11
Gray and tan clay and sand	1	12
Chocolate-colored clay with streaks of micaceous gray sand	4	16
Chocolate-colored clay with thin layers of yellow and gray sand	1	17
Brown sand, medium-grained	1	18
Struck water at 11 feet. Water level, 7.9 feet below top of ground, 1 hour after hole completed. Water sample collected. Nov. 20, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 219</u>		
Rolling prairie, on east side of county road near southwest corner of D. W. Carrington 25 acre tract, Sam'l Parr Survey. 14 miles west of Centerville.		
Surface soil	1	1
Stratified red and yellow clay	2	3
Red and gray clay	1	4
(Continued on next page)		

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

	Thickness (feet)	Depth (feet)
<u>Well 219--Continued</u>		
Gray and yellow clay and gravel	1	5
Stratified gray and yellow sandy clay with thin layer of yellow sand	4	9
Yellow sandy clay	1	10
Chocolate-colored sandy clay with streaks of gray sandy clay	1	11
Gray sandy clay	1	12
Struck water at 9 feet.		
Water level, 3.8 feet below top of ground 2 hours after hole completed. Water sample collected. Nov. 20, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 223</u>		
Rolling land, on west side of State Highway 43 near center northeast line of L. E. Sheppard 170 acre tract, Wm. McIntire Survey. 12½ miles west of Centerville.		
Brown top sand	3	3
Stratified gray and red ferruginous sand	1	4
Red and gray sandy clay with limonite stains	6	13
Gray sand, micaceous, ferruginous, medium-grained	3	16
Red-brown tough sand with tan gravel	1	17
Struck water at 16 feet.		
Water level, 11.2 feet below top of ground, 1 hour after hole completed. Water sample collected. Nov. 12, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 226</u>		
Rolling land, on west side of county road near northeast corner of W. A. Clute 80 acre tract, G. W. Alford Survey. 16 miles west of Centerville.		
Surface soil	2	2
Yellow, friable, medium-grained clay and sand	2	4
Tan sand, glauconitic	2	6
Yellow sand, friable	1	7
Red and gray stratified sand	3	10
White sand with limonitic stains	1	11
Orange sand, coarse and friable	1	12
Orange sand, mealy, carbonaceous	13	25

	Thickness (feet)	Depth (feet)
<u>Well 226--Continued</u>		
Yellow ferruginous sand and gravel	2	27
Gray sand, coarse, glauconitic, carbonaceous	1	28
Struck water at 28 feet		
Water sample collected. Nov. 21, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 227</u>		
Hillside, on south side of county road near northwest corner of Tobe Winn 81 acre tract, J. H. Barfield Survey. 15 miles west of Centerville.		
Sandy surface soil	1	1
Yellow clay, sand and gravel	1	2
Yellow sandy clay with streaks of tan sand	1	3
Purple sand rock, limonitic	1	4
Gray and tan clay with lumps of ferruginous sand	1	5
Gray and yellow sand, micaceous, glauconitic	2	7
Buff and gray sand	2	9
Gray sand with iron stains	2	11
Gray sand stained yellow by limonite	2	13
Gray sand, carbonaceous with fossil plant	2	15
Grayish-pink sticky sand	3	18
Yellow, gray ferruginous sand	1	19
Light buff sand	1	20
Yellow coarse sand and clay-iron-stone fragments	5	25
Light buff sand	1	26
Gray pink sand	1	27
Buff sand	4	31
Pinkish gray sand	2	33
Gray and buff sand with particles of coal	1	34
Cream-colored sand, micaceous	2	36
White coarse-grained sand	1	37
Brown sand, carbonaceous, coarse	1	38
Struck water at 38 feet.		
Water sample collected. Nov. 20, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 229</u>		
Rolling land, on south side of county road near east corner of T. O. Petty 80		
(Continued on next page)		

Logs of U. P. A. test wells in Leon County--Continued

	Thickness (foot)	Depth (foot)
<u>Well 229--Continued</u>		
acre tract, W. H. McFarland Survey. 15½ miles west of Centerville.		
Surface soil	1	1
Ferruginous clay, sand and gravel grading into a buff, coarse sand; some rounded quartz boulders, and fragments of limonite	4	5
Yellow sandstone, ferruginous	1	6
No water sample collected. Nov. 20, 1936.		

<u>Well 236</u>		
River bottom, on north side of Marquez-Cloetha road, J. E. Downs tract, Maria De La Concepcion Survey. 18½ miles west of Centerville.		
Brown coarse sand	1	1
Gray clay, brown sand and gravel	1	2
Dark gray sandy clay	1	3
Gray clay and sand	2	5
Brown and gray sand	1	6
Gray clay and sand with ferruginous stains	1	7
Bluish-gray sand and gravel	4	11
Coarse, dark brown sand and gravel	1	12
Coarse, yellow sand and gravel	3	13
No water sample collected. Oct. 12, 1936.		

<u>Well 241</u>		
Rolling land, on south side of Marquez-Cloetha road near northeast corner of J. B. Jones tract, Maria De La Concepcion Survey. 17 miles west of Centerville.		
Brown sand	1	1
Red and gray clay, iron rock, and thin sand layers	2	3
Sandy clay and limonite with thin layers of gray sand	2	5
Tan clay and sand with limonite fragments	1	6
Red sandy clay	1	7
Calcareous sandy clay, bluish-white	1	8
Red sand, weathers buff	5	13
Buff sand	3	16
Dark yellow sand	4	20

	Thickness (foot)	Depth (foot)
<u>Well 241--Continued</u>		
Buff sand with streaks of red sand	1	21
Tan sand	2	23
Salmon-pink sand	2	25
Red sand	2	27
Salmon-pink coarse-grained sand	4	31
Yellow coarse sand	2	33
Coarse light red sand	4	37
Struck water at 35 feet.		
Water level, 34.8 feet below top of ground, 2 hours after hole completed.		
Water sample collected. Oct. 6, 1936.		

<u>Well 243</u>		
Hilltop on north side of Marquez-Cloetha Highway near southeast corner of Joseph Majors 33 acre tract, Maria De La Concepcion Survey. 16 miles west of Centerville.		
Red clay and gravel	1	1
Yellow clay with limonite fragments and streaks of bluish-white clay	1	2
White and yellow clay and buff sand	2	4
Yellow sand with streaks of red and gray clay and gravel	1	5
Yellow sand with streaks of gray clay	2	7
Yellow and gray clay with streaks of blue clay	2	9
Gray fine-grained sand	1	10
Yellow and gray sand and red clay	2	12
Gray and yellow sand	1	13
Yellow and white sand	2	15
Blue clay and yellow sand	1	16
Hard iron rock		16
Struck rock at 16 feet		
No water sample collected. Oct. 6, 1936.		

<u>Well 248</u>		
Level land, on west side of county road near south corner of H. L. Carrington 75 acre tract, James McKelvey Survey. 15½ miles west of Centerville.		
Surface soil	1	1
Light brown clay and gravel	1	2
Buff clay and gravel	2	4
Red and gray clay and gravel	2	6
Laminated red, gray and brown clay	1	7
(Continued on next page)		

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

	Thickness (feet)	Depth (feet)
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Well 248--Continued

Gray clay and rock	2	9
Laminated gray and yellow clay with thin seams of red sand	4	13
Chocolate-colored clay with lumps of mica	2	15
Chocolate-colored clay, glauconite, ferruginous stains	3	18
Water level, 12.4 feet below top of ground, 21 hours after hole completed.		
Water sample collected. Oct. 13, 1936.		

Well 252

Rolling land, on north side of Marquez-Flynn road near center Maria E. Lanier 446 acre tract, James McKelvey Survey. 14 miles west of Centerville.		
Surface soil	2	2
Yellow sand with streaks of red clay	3	5
Red and gray clay and gravel	4	9
Red and gray clay	1	10
Red and gray sandy clay	2	12
Red and gray clay and gravel	2	14
Sand rock	1	15
Red sand and gray clay	1	16
Red and gray sand	2	18
Grayish-white sand	1	19
Gray and red sand	1	20
Water level, 17 feet below top of ground, 20 hours after hole completed.		
Water sample collected. Oct. 5, 1936.		

Well 253

Hilltop, on west side of Flynn-Marquez road, S. E. Lanier 200 acre tract, James McKelvey Survey. 13 $\frac{1}{2}$ miles west of Centerville.		
Tan sand	2	2
Gray and tan sand	7	9
Tan sand	1	10
Gray and yellow fine sand	1	11
Buff clay and tan sand	3	14
Gray and yellow, silty sand	1	15
Brown sandy clay	1	16
Ferruginous silty sand	1	17
Chocolate-colored clay with laminae of ferruginous sand	2	19
Chocolate-colored clay and gray sand	1	20

	Thickness (feet)	Depth (feet)
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Well 253--Continued

Dark brown sticky clay	1	21
Struck water at 19 feet.		
Water level, 19.6 feet below top of ground, 2 hours after hole completed.		
Water sample collected. Oct. 5, 1936.		

Well 254

Creek bottoms, on west side of Marquez-Flynn road near southwest corner of A. T. Seale 300 acre tract, James McKelvey Survey. 13 $\frac{1}{2}$ miles west of Centerville.		
Dark gray sand	4	4
Light gray medium-grained sand, weathers brown	2	6
Water level, 3.7 feet below top of ground, 1 hour after hole completed.		
Water sample collected. Oct. 6, 1936.		

Well 256

Rolling land, on north side of Marquez-Flynn road near southeast corner of F.B. Wain 100 acre tract, James McKelvey Survey. 13 $\frac{1}{2}$ miles west of Centerville.		
Brown silty sand	1	1
Light gray sand loose, fine-grained	4	5
Gray and yellow sand	1	6
Light gray sand	1	7
Hard tan, lumpy sand	1	8
Gray sand, medium-grained	1	9
Grayish-brown sand medium grained	6	15
No water sample collected. Oct. 6, 1936.		

Well 258

Hillside, on north side of Marquez-Flynn road near southwest corner of B.M. Wain 88 acre tract, Leroy Boulware Survey. 14 miles west of Centerville.		
Brown sand, loose, fine	4	4
Light buff sand	1	5
Gray and yellow clay and sand	4	9
Gray and yellow laminated sandy clay	4	13
Light gray sand and clay	2	15
Tan sand, mealy	1	16
Red sand	2	18
Fine, buff sand	2	20
Gray sandy clay	1	21
Buff sand	4	25
Gray and yellow sand	2	27
Gray and sandy clay	1	28
Struck water at 28 feet. Water level, 25.7 feet below top of ground 1 hour after hole completed. Water sample collected. Oct. 3, 1936.		



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

	Thickness (feet)	Depth (feet)
<u>Well 260</u>		
Hillside, on east side of county road near northwest corner of E. M. Moon 60 acre tract, John B. McDaniel Survey. 12 miles west of Centerville.		
Red sandy clay and gravel	3	3
Red and gray clay	1	4
Buff clay	2	6
Ferruginous, limonitic, gray clay	1	7
Light red clay	1	8
Red and gray sandy clay	1	9
Gray sand with limonite stains and laminae of red sand	2	11
White sand, fine-grained	2	13
Yellow sand	1	14
Gray and red sandy clay	4	18
Blue clay	1	19
No water sample collected. Oct. 23, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 261</u>		
Near creek bed, on south side of county road near northwest corner of D. Neyland 47 acre tract, John B. McDaniel Survey. 12 miles west of Centerville.		
Top soil	1	1
White and gray sandy clay	4	5
Ferruginous yellow and gray sandy clay and gray-iron-stone	3	8
Chocolate-colored ferruginous sandy clay with limonitic stains	3	11
Gray clay	1	12
Ferruginous yellow sand	1	13
Gray sand	5	18
Water level, 16.9 feet below top of ground, 17 hours after hole completed. Water sample collected. Oct. 23, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 264</u>		
Rolling land, on east side of old "rail-road dump" Macon Mattison tract, T.C.R.R. Survey. 8½ miles west of Centerville.		
White coarse sand	6	6
Gray sand and iron stains	3	9
Buff, loose sand	5	14
Gray, medium-grained sand and streaks of yellow sand	6	20
Light yellow sand, weathers light buff	11	31
Struck water at 31 feet. Water level, 26.2 feet below top of ground 20 hours after hole completed. Water sample collected. Oct. 1, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 268</u>		
Hillside, on west side of U. S. Highway 75 near southeast corner of Bruce Langford 259 acre tract, J. Ramshay Survey. 3½ miles south of Centerville.		
Gray top sand	3	3
Tan and gray clay and sand	1	4
Gray clay and sand with laminae of tan sand	3	7
Gray sandy clay, ferruginous	3	10
Gray clay and sand	1	11
Light buff and gray sand, medium-grained	1	12
White sand, fine, glauconitic, micaceous	5	17
Gray and yellow sand, fine, glauconitic, micaceous	2	19
Tan sand, ferruginous	1	20
Red sand, medium-grained, micaceous	5	25
Struck water at 25 feet. Water level, 23.2 feet below top of ground, ½ hour after hole completed. Water sample collected. Dec. 7, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 275</u>		
Rolling land, on south side of county road near center north line of Eliza Wilson 52 acre tract, Fernando Del Valle Survey. 2 miles southwest of Centerville.		
Reddish-brown clay	1	1
Hard brown clay	3	4
Brown and yellow carbonaceous clay	1	5
Gray and yellow sandy clay	2	7
Fine gray sand, ferruginous	1	8
Yellow and gray glauconitic sand, friable	4	12
Soft yellow sand with fragments of limonite	1	13
Green-colored sand and limonite	2	15
Blue and brown clay, hard, with sand partings and gypsum crystals	6	21
Red clay and gravel	2	23
Blue clay with rusty stains	1	24
Brownish-gray clay, fossils	1	25
Blue clay, some brown streaks	1	26

(Continued on next page)

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

	Thickness (feet)	Depth (feet)
<u>Well 275--Continued</u>		
Gray and tan clay	2	28
Brown and gray clay	2	30
Brown clay	2	32
Struck water at 23 feet.		
Water level, 22.8 feet below top of ground, 1 hour after hole completed. Water sample collected, Dec. 12, 1936.		

<u>Well 278</u>		
Rolling, on east side of county road near northwest corner of W. C. Adams tract, Fernando Del Valle Survey. 8 $\frac{1}{2}$ miles south of Centerville.		
Surface soil	1	1
Red, brown and gray clay	3	4
Gray and yellow sandy clay	2	6
Stratified red and gray clay	2	8
Red clay	3	11
Red and gray clay	5	16
Tan sand and gray streaks of sand	5	21
Fine buff sand	3	24
Buff and gray sand, fine	3	28
Bluish-gray clay, ferruginous	2	29
Gray and yellow clay and sand	1	30
Olive-drab clay, hard	4	34
Olive-drab and gray clay	2	36
Gray sandy clay	2	38
Gray, brown and yellow clay and sand, glauconitic	4	42
Brownish sand, micaceous	1	43
Gray sand, medium-grained	1	44
Coarse, brownish-red sand, ferruginous and contain ing iron gravel	3	47
Chocolate-colored clay	1	48
Water level, 46.3 feet below top of ground, 180 hours after hole completed. Water sample collected, Dec. 12, 1936.		

<u>Well 283</u>		
Foot of hill, on south side of county road near south part of J. R. Leathers 160 acre tract, Fernando Del Valle Survey. 9 $\frac{1}{2}$ miles southeast of Centerville.		
Surface soil	1	1
Red clay	1	2
Gray and red clay	1	3
Chocolate-colored clay with red clay partings, limonite stained	2	5
Chocolate-colored clay	4	9
Brown clay with gray sand partings	2	13

	Thickness (feet)	Depth (feet)
<u>Well 283--Continued</u>		
Struck water at 11 feet.		
Water level, 8.9 feet below top of ground, 1 hour after hole completed. Water sample collected, Dec. 21, 1936.		

<u>Well 289</u>		
Hillside, on east side of county road near southwest corner of Oliver Washing ton 106 acre tract, A. Ogden Survey. 13 $\frac{1}{2}$ miles southeast of Centerville.		
Gray clay, ferruginous hard	2	2
Gray sandy clay with selenite crystals	2	4
Red and gray clay, hard micaceous, ferruginous	3	7
Gray clay	1	8
Gray clay and fine yellow glauconitic sand	1	9
Soft buff clay	1	10
Gray, ferruginous, silty sand and clay, micaceous, carbonaceous	6	16
Chocolate-colored clay and ferruginous silt, selenitic micaceous, loose	3	19
Glauconite	1	20
No water sample collected. Dec. 11, 1936.		

<u>Well 291</u>		
Rolling land, on north side of county road near southwest corner of Brac Willson 100 acre tract, Issac Hill Survey. 11 $\frac{1}{2}$ miles southeast of Centerville.		
Dark red clay with iron rock fragments	2	2
Stratified red and gray clay, hard	3	5
Brown, ferruginous, calcareous clay	1	6
Calcareous brown clay with sand layers	2	8
Stratified chocolate-colored clay with alternating layers of gray sand, carbonaceous, ferruginous, and containing selenite crystals	4	12
(Continued on next page)		

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

	Thickness (feet)	Depth (feet)
Black clay or shale, hard, carbonaceous, few thin sand layers and selenite	3	15
Black shale, hard sticky	1	16
Selenite crystals and black hard shale	10	26
Black clay, silty, sticky	1	27
Water level, 17.4 feet below top of ground, 24 hours after hole completed. Water sample collected. Dec. 11, 1936.		

Well 295

Rolling land, on east side of county road near northwest corner of Minnie McAdams 35 acre tract, Fernando Del Valle Survey. 10 miles southeast of Centerville.		
Top soil	2	2
Red and gray clay	3	5
Red clay and sand with streaks of gray sand	4	9
Tan and yellow sandy clay	1	10
Yellow sand, ferruginous, medium-grained	2	12
Tan and yellow sandy clay	2	14
Blue clay, calcareous, ferruginous	1	15
Yellow and gray sandy clay	1	16
Stratified gray and chocolate- colored clay, micaceous, hard, sticky, containing little gray sand	3	19
Struck water at 19 feet. Water level, 17.5 feet below top of ground, 18 hours after hole completed. Water sample collected. Dec. 8, 1936.		

Well 300

Rolling land, on east side of U. S. Highway 75 near center west line, W. B. Riley 661 acre tract, Wm. Johnson Survey. 9 1/2 miles south of Centerville.		
Brown top soil	1	1
Red and brown sandy clay and iron gravel	4	5
Drab-yellow clay, iron gravel and limonite	1	6
Red ferruginous silty clay and limy nodules	1	7
Olive-drab clay	1	8
Hard limonite		8
No water sample collected. Oct. 26, 1936.		

	Thickness (feet)	Depth (feet)
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Well 304

Rolling land, on west side of county road, north center east line of C. C. Rogers 315 acre tract, Allen Dimmery Survey. 7 1/2 miles southeast of Centerville.		
Black loam	1	1
Tan clay and iron gravel	2	3
Light tan clay and iron gravel	1	4
Olive-drab clay and iron hard gravel	3	7
Brown-red silt, ferruginous	1	8
Buff silty calcareous marl	1	9
Light olive-drab clay and calcareous nodules	2	11
Gray and yellow clay, firm, micaceous	4	15
Blue clay with iron stains	2	17
Brown and blue clay and mica	1	18
Chocolate-colored clay with limonitic stains	3	21
Gray and yellow clay with thin layers of buff sand, micaceous	2	23
Brown and gray clay	3	26
Gray and yellow clay with limonitic stains, micaceous	5	31
Drab yellow clay	1	32
Olive-drab clay, glauconitic	2	34
Gray sandy clay and selc- nite crystals	8	42
Hard black clay and selenite crystals	8	50
Blue-gray fine, silty sand, micaceous	4	54
Struck water at 54 feet. Water level, 51.8 feet below top of ground, 2 hours after hole completed. Water sample collected. Dec. 7, 1936.		

Well 305

Rolling land, on south side of county road near northeast corner of H. Durst 206 acre tract, Allen Dimmery Survey. 7 miles south of Centerville.		
Red-brown top soil and gravel	2	2
Red-brown clay and gravel	1	3
Olive-drab clay, tight	2	5
(Continued on next page)		

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

	Thickness (feet)	Depth (feet)
<u>Well 305--Continued</u>		
Gray clay, calcareous, ferruginous	3	3
Blue clay, ferruginous	1	9
Gray clay, calcareous	1	10
Bluish-gray clay with limonitic markings	2	12
Chocolate-colored clay	2	14
Chocolate-colored clay, ferruginous	1	15
Blue clay with iron stains	2	17
Tan and gray sand and gravel	1	18
Hard brownish-tan silty sand ferruginous, micaceous	3	21
No water sample collected. Dec. 7, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 309</u>		
Hillside, on west side of U. S. Highway 75 near southeast corner of C. A. Gindratt 115 acre tract, Manuel Skinner Survey, 6 miles south of Centerville.		
Gray sand and gravel	1	1
Tan sand and gravel	1	2
Yellow and tan clay and sand, clay-iron-stone and gravel	1	3
Red clay and sand with streaks of gray sand and gravel	2	5
Red sandy clay with laminac of yellow sand and iron gravel	4	9
Red and gray clay and sand, ferruginous, micaceous	1	10
Laminated tan, gray and yellow clay and sand	3	13
Gray sandy clay	5	18
Gray and yellow sandy clay	5	23
Gray clay and sand	1	24
Gray and yellow sand	2	26
Water sample collected. Dec. 7, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 318</u>		
Near creek bed, on south side of Leona- Flynn road near center north line of J. M. May 120 acre tract, Elam Gilliland Survey, 9 miles south of Centerville.		
Red sandy top soil	5	5
Fine, yellow sand	1	6
Yellow and gray sand with limonite slivers	3	9
Yellow sand	2	11

	Thickness (feet)	Depth (feet)
<u>Well 318-Continued</u>		
Chocolate-colored clay and gray sand	1	12
Buff sand	1	13
Chocolate-colored clay and gray sand	3	16
Water level, 14.3 feet below top of ground, 1 hour after hole completed. Water sample collected. Oct. 30, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 321</u>		
Rolling land, on east side of county road near center west line, Sanger Bros. 239 acre tract, Allen C. Bullock Survey, 9 miles south of Centerville		
Buff top sand	1	1
Tan sandy clay	1	2
Greenish-black clay	2	4
Yellowish-gray sandy clay	4	8
Red and gray clay and sand	1	9
Red and gray sandy clay	2	11
Yellow and gray clay and sand	4	15
Water level, 12.6 feet below top of ground, 1 hour after hole completed. Water sample collected. Oct. 30, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 327</u>		
Rolling land, on south side of county road near center north line of J. D. Adkisson 276 acre tract, Montgomery Thomas Survey, 12 $\frac{1}{2}$ miles south of Centerville.		
Gray sandy top soil	1	1
Reddish-brown clay	1	2
Olive-drab clay and gravel	2	4
Gray and yellow laminated clay	3	7
Yellowish-gray soft, crumbly clay	1	8
Ferruginous clay, gray and yellow, plant remains and few sand layers	4	12
Ferruginous sandy clay	1	13
Bluish-gray stratified clay	3	16
Light chocolate-brown clay and lignite	5	21
Brownish-gray crumbly clay with limonitic stains	3	24
Yellowish-gray sandy clay	2	26
Greenish-gray bentonite	1	27

(Continued on next page)

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

	Thickness (feet)	Depth (feet)
<u>Well 327--Continued</u>		
Brownish-gray shale and calcite- - - - -	2	29
Brownish-gray sandy clay, carbonaceous - - - - -	1	30
Brown sandy clay, micaceous, traces of fossils - - - - -	1	31
Iron rock- - - - -		31
Struck hard rock at 31 feet.		
No water sample collected. Oct. 27, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 328</u>		
Rolling land, on north side of old San Antonio road near east corner of Mattie Woolley 400 acre tract, Mark Copeland Survey. 13 miles south of Centerville.		
Chocolate-brown top soil - - - - -	1	1
Laminated red and yellow sandy clay- - - - -	3	4
Carbonaceous sandy clay - - - - -	1	5
Yellowish-gray sandy clay, lumpy with stains of limonite - - - - -	3	8
Yellowish-brown clay with fragments of limonite - - - - -	1	9
Drab, oolitic clay - - - - -	2	11
Black, sticky clay and small fossil shells - - - - -	1	12
Greenish-black fossiliferous clay - - - - -	8	20
Mouse-colored clay - - - - -	2	22
Greenish-blue sand and clay, fossiliferous oolitic - - - - -	2	24
Water level, 23.2 feet below top of ground, 1/2 hour after hole completed.		
Water sample collected. Oct. 27, 1936		

	Thickness (feet)	Depth (feet)
<u>Well 334</u>		
Rolling land, on south side of Leona-Flynn road near northeast corner of F. A. Cox 32 acre tract, Thomas H. Garner Survey. 10 1/2 miles southwest of Centerville.		
Surface soil - - - - -	1	1
Gray and red clay - - - - -	1	2
Gray sandy clay and gravel - - - - -	1	3
Gray and red clay - - - - -	2	5
Gray and red sandy clay - - - - -	2	7
Gray and red clay and gravel - - - - -	1	8
Tan sand and blue clay - - - - -	1	9
Clay, blue - - - - -	1	10
Sandy, gray, medium-grained - - - - -	1	11
Sand, white - - - - -	2	13
Tan sand and chocolate-colored clay - - - - -	2	15

	Thickness (feet)	Depth (feet)
<u>Well 334--Continued</u>		
Chocolate-colored clay- - - - -	4	19
Struck water at 9 feet.		
Water level, 6.1 feet below top of ground, 3 hours after hole completed.		
Water sample collected. Nov. 5, 1936		

	Thickness (feet)	Depth (feet)
<u>Well 340</u>		
Rolling, on east side of old "railroad dump", 50 yards west of B. R. & I. Ry, G. W. Lee Survey. 9 1/2 miles southwest of Centerville.		
Sandy top soil - - - - -	2	2
Light brown sand, fine, loose - - - - -	5	7
Light brown sand with rusty stains, medium-grained, few fragments of limonite - - - - -	3	10
Ferruginous buff sand and streaks of gray sand - - - - -	3	13
Coarse tan sand with limonite fragments- - - - -	1	14
Sandrock and red sand - - - - -	1	15
Tan medium-grained sand with few thin layers of gray sand - - - - -	2	17
Red medium-grained sand, weathers tan - - - - -	3	20
Water sample collected. Oct. 1, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 342</u>		
Near creek bed, on south side of Flynn-Marquez road near southwest corner of R. H. Winn tract, M. M. Kinnard survey. 11 1/2 miles south of Centerville.		
Fine, red, loose sand - - - - -	1	1
Tan silty sand - - - - -	1	2
Gray clay and yellow sand - - - - -	1	3
Bluish-gray sand and clay medium-grained - - - - -	4	7
Brown sand - - - - -	2	9
Caving at 9 feet.		
Water sample collected. Oct. 3, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 343</u>		
Hillside, on north side of Flynn-Marquez road near southwest corner of Mrs. Annie Copeland tract, J. M. Robinson Survey. 11 1/2 miles southwest of Centerville.		
Hard red clay - - - - -	1	1
Glauconitic clay, fossiliferous - - - - -	2	3
Iron boulders - - - - -		3
Water sample collected. Oct. 3, 1936		

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

	Thickness (feet)	Depth (feet)
<u>Well 345</u>		
Hillside, on north side of Flynn-Marquez road near southwest corner of A. R. Traweck 45 acre tract, H. E. Menefee Survey. 11 miles southwest of Centerville.		
Buff sandy clay - - -	1	1
Red and gray laminated clay - - - - -	2	3
Light gray ferruginous sand with few clay streaks- - - - -	2	5
Sandy clay with limonite fragments - - - - -	1	6
Fine gray sand and iron rock - - - - -	1	7
Fine gray sand containing dark grains - - -	4	11
Struck water at 11 feet. Water level, 8.6 feet below top of ground, 4 hours after hole completed. Water sample collected. Oct. 3, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 347</u>		
Rolling land, on east side of old "railroad dump" near southeast corner of W. J. Cleveland survey. 10½ miles southwest of Centerville.		
Fine white sand - - -	1	1
Red and gray hard clay -	2	3
Red and gray sandy clay -	2	5
Tan and gray sand with some clay, well stratified - - - - -	2	7
Buff sand and gray clay -	1	8
Light gray fine sand, ferruginous - - -	7	15
Chocolate-colored sticky clay and gray sand- -	1	16
Water level, 14.8 feet below top of ground, ½ hour after hole completed. Water sample collected. Oct. 2, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 349</u>		
Hillside, on south side of county road near center north line of Cozart 92 acre tract, T. B. Cox Survey. 11½ miles southwest of Centerville.		
Brown surface soil - - -	1	1
White sand, fine-grained	1	2
Yellowish-gray sand, fine	1	3
Light tan sand, lumpy -	2	5
Yellow sandrock - - -	1	6
Stratified red and gray sand - - - - -	1	7

	Thickness (feet)	Depth (feet)
<u>Well 349--Continued</u>		
Gray sandy clay and gravel - - - - -	3	10
Pink sand, limonitic stains - - - - -	5	15
Gray sandy clay and layers of tan sand- - - -	2	17
Gray sandy clay - - -	2	19
White sandy clay - - -	1	20
Limonitic yellow sand and gray clay - - -	3	23
Yellow sand - - - -	1	24
ine tan sand, well cemented, and containing streaks of gray clay and gravel -	3	27
No water sample collected. Nov. 5, 1936		

	Thickness (feet)	Depth (feet)
<u>Well 353</u>		
Hillside, on south side of Flynn-Leona road near north corner of W. A. Winn 126 acre tract, Warrick Martin Survey. 10½ miles southwest of Centerville.		
Gray top sand - - - - -	1	1
Fine dark gray sand and gravel - - - - -	5	6
Brown sand with layers of gray sand, containing few iron gravel - - -	4	10
Laminated tan and gray sand - - - - -	3	13
Gray and yellow sand - -	1	14
Tan sand, medium-grained -	3	17
Gray glauconitic sand - -	1	18
Tan sand, medium-grained -	1	19
Chocolate-colored clay with thin layer of gray sand - - - - -	1	20
Light tan sand and dark green grains of glauconite - - - - -	2	22
Chocolate-colored clay -	1	23
Yellow and gray sand, fine	2	25
Yellow, medium-grained sand - - - - -	1	26
Tan sand - - - - -	8	34
Salmon-pink glauconitic sand	2	36
Brown and yellow sand - -	1	37
Gray sand with streaks of blue clay - - - - -	1	38
Red and yellow sand with streaks of blue sticky clay - - - - -	1	39
Pinkish sand and blue clay, tough - - - - -	2	41
Red medium-grained, loose sand - - - - -	2	43

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

	Thickness (feet)	Depth (feet)
<u>Well 353--Continued</u>		
Stratified red and purple sand - - - - -	1	44
Yellow ferruginous sand, loosely cemented - - -	1	45
struck water at 45 feet.		
Water level, 43.3 feet below top of ground, $\frac{1}{2}$ hour after hole completed.		
Water sample collected. Nov. 5, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 356</u>		
Rolling land, on south side of Flynn-Leona road near center west line of J. D. Washburn 292 acre tract. $10\frac{1}{2}$ miles southwest of Centerville.		
Surface soil - - - - -	1	1
White sand with iron stains - - - - -	1	2
Ferruginous, gray sand - - - - -	1	3
Red sandy clay and gravel - - - - -	1	4
Tan and gray sandy clay - - - - -	3	7
Gray sandy clay, ferruginous - - - - -	3	10
Stratified red and gray clay - - - - -	1	11
Chocolate-colored clay and streaks of sand - - - - -	3	14
Blue and tan sandy clay - - - - -	2	16
Blue clay with streaks of tan sand - - - - -	2	18
Light chocolate-brown sticky clay - - - - -	2	20
Water level, 8 feet below top of ground, 4 hours after hole completed.		
Water sample collected. Nov. 5, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 357</u>		
Rolling land, on east side of old "railroad dump" 25 yards west of B. & R. I. R. R., W. Martin Survey. $11\frac{1}{2}$ miles south of Centerville.		
Surface soil - - - - -	2	2
Brown sandy clay - - - - -	2	4
Loose brown sand, with streaks of yellow clay - - - - -	4	8
Loose gray sand and streaks of yellow clay - - - - -	3	11
Yellow clay, sand and gravel - - - - -	1	12
Red clay and gravel - - - - -	1	13
Alternating layers of yellow clay and gray sand - - - - -	1	14
Loose gray sand - - - - -	1	15

	Thickness (feet)	Depth (feet)
<u>Well 357--Continued</u>		
White sand - - - - -	1	16
Gray sand and streaks of blue clay- - - - -	2	18
Gray sand - - - - -	3	21
Water sample collected. Sept. 28, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 360</u>		
Rolling land, on east side of old "railroad dump" near center of J. A. Heath tract, John Scritchfield survey. $13\frac{1}{2}$ miles southwest of Centerville.		
Red sand - - - - -	2	2
Fine buff sand - - - - -	3	5
Gray sand - - - - -	1	6
Red sand - - - - -	1	7
Fine white sand - - - - -	2	9
Red sand with thin layers of light blue-gray clay- - - - -	1	10
Fine white sand - - - - -	4	14
White sand and gray clay - - - - -	7	21
Red sand - - - - -	1	22
Fine gray sand - - - - -	3	25
Light gray sand with ferruginous stains, loose - - - - -	25	50
No water sample collected. Sept. 28, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 361</u>		
Rolling land, on east side of old "railroad dump", west part of J. A. Heath 1260 acre tract, John Scritchfield Survey. $14$ miles southwest of Centerville.		
Red clay - - - - -	1	1
Gray sand- - - - -	1	2
Red and yellow laminated clay - - - - -	5	7
Red clay with thin layers of gray sand and glauconite - - - - -	6	13
Laminated yellow and gray sand - - - - -	2	15
Hard iron rock - - - - -	-	15
S truck hard rock at 15 feet.		
No water sample collected. Sept. 30, 1946.		

	Thickness (feet)	Depth (feet)
<u>Well 363</u>		
Rolling land, on east side of old "railroad dump" near center west line of M. L. McDonald tract, Robert Rogers Survey. $14\frac{1}{2}$ miles southwest of Centerville.		
Glauconite - - - - -	2	2
Light red clay - - - - -	1	3

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

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
<u>Well 363--Continued</u>				<u>Well 383</u>			
Ferruginous blue clay and shell rock - - - -	4	7	Hillside, on north side of county road near center west line of R. E. Batson 109 acre tract, J. Archer Survey. 19 miles southwest of Centerville.				
Gypsum - - - - -	1/2	7 1/2	Gray surface sand - - -	2	2		
Ferruginous chocolate-colored clay, sandy with hard rock on bottom- -	1	8 1/2	Brownish-gray clay and sand with iron gravel - -	2	4		
Hard rock - - - - -		8 1/2	Stratified gray and red clay and well rounded iron gravel - - - -	6	10		
Struck hard rock at 8 1/2 feet.			Gray and yellow clay and iron gravel - - - -	2	12		
No water sample collected. Sept. 30, 1936			Yellow clay and sand and thin layer of tan sand - -	1	13		
<u>Well 371</u>				<u>Well 384</u>			
Rolling land, on east side of old "rail-road dump" near northwest corner of Lee T. Martin 133 acre tract, Robert Rogers Survey. 16 1/2 miles southwest of Centerville.			Gray and yellow sticky clay and iron gravel - -	1	14		
Black top soil and gravel -	2	2	Dark yellow sand, hard	2	16		
Dark brown clay and iron gravel - - - - -	2	4	Brownish-gray sand, fine-grained - - - - -	1	17		
Greenish-drab clay and gravel with thin layer of gypsum - - - - -	2	6	Yellowish-gray sand, medium-grained - - -	4	21		
Ferruginous gray clay, rock on bottom - - - - -	6	12	Gray and yellow sand, micaceous - - - - -	4	25		
Rock - - - - -		12	Water level, 17.9 feet below top of ground, 2 hours after hole completed.				
No water sample collected. Sept. 30, 1946.			Water sample collected. Nov. 6, 1936.				
<u>Well 374</u>				<u>Well 384</u>			
Rolling land, on north side of old San Antonio road near southwest corner of -- Cole tract, B. F. Whittaker Survey. 17 1/2 miles southwest of Centerville.			Hillside, on south side of county road near south corner of J. C. Ford 160 acre tract, R. B. Ward Survey. 19 miles southwest of Centerville.				
Black silty soil with limonitic fragments - -	1	1	Red clay- - - - -	2	2		
Sandy clay and iron gravel - - - - -	1	2	Yellow sandy clay and boulders - - - - -	2	4		
Brown and yellow clay and iron gravel - - - - -	1	3	Red and gray clay - - -	1	5		
Red and yellow clay and iron gravel - - - - -	1	4	Pink and gray clay - - -	1	6		
Gray and yellow compact sticky clay containing little gypsum - - - -	4	8	Yellow and gray sandy clay - - - - -	1	7		
Gray clay with iron stains	6	14	Light yellow sand, limonitic- - - - -	1	8		
Blue sticky clay with limonitic stains - -	3	17	Stratified gray clay and yellow sand - - - - -	1	9		
Yellow and blue clay with streaks of gray sand and gypsum - - - - -	2	19	Yellow sand, fine-grained, streaks of gray and yellow clay - - - - -	1	10		
Blue and yellow clay, sticky containing gypsum - - -	2	21	Limonitic gray sand - - -	1	11		
Water level 14 feet below top of ground, 17 hours after hole completed.			Tan and gray clay and sand - - - - -	1	12		
Water sample collected. Oct. 26, 1936.			Gray sandy clay stained with limonite - - - -	2	14		
			Red and gray sand - - -	2	16		
			Chocolate-colored sandy clay - - - - -	1	17		

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Logs of W. F. A. test wells in Leon County--Continued

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
<u>Well 384--Continued</u>				<u>Well 394--Continued</u>			
Gray sand	-	2	19	Tan sand	4	14	
Water level, 14.5 feet below top of ground, 3 hours after hole completed.				Gray and yellow sand containing black grains - 3 22			
Water sample collected. Nov. 6, 1936.				Gray sand - - - - - 3 25			
<u>Well 386</u>				Brown and gray sand with many black grains - - 2 27			
Low land, on south side of county road south corner of Q. C. Guinn Survey. 19 miles southwest of Centerville.				Water level, 24.5 feet below top of ground, 1 hour after hole completed.			
Gray top sand - - - - - 1 1				Water sample collected. Oct. 21, 1936.			
Light brown sand - - - - - 1 2				<u>Well 396</u>			
Light tan sand, fine - - - 1 3				Rolling land, on east side of county road near northwest corner of Joe Cross 200 acre tract, Jose Maria Viesca Survey, 17½ miles southwest of Centerville.			
Gray sand and fragments of limonite - - - - - 5 8				Surface soil- - - - - 1 1			
Brown and gray sand and iron gravel - - - - - 4 12				White sand - - - - - 4 5			
Gray and brown sand - - - 3 15				Light red sandy clay - - 4 9			
Gray sand, medium-grained - 1 16				Red and white sand, coarse-grained - - - - - 2 11			
Brown sand, fine - - - - - 2 18				Red sand - - - - - 3 14			
Gray and brown sand and gravel - - - - - 1 19				Yellow sand with streaks of fine, cemented white sand - - - - - 1 15			
Caving at 19 feet.				Red sand, fine - - - - - 2 17			
No water sample collected. Oct. 22, 1936.				White sand with limonite stains - - - - - 1 18			
<u>Well 389</u>				Light red sand with few layers of white sand - 2 20			
Rolling land, on east side of county road near northeast corner of W. F. Pankonien 74 acre tract, Jose Maria Viesca Survey. 19 miles southwest of Centerville.				White sand - - - - - 1 21			
Gray surface soil - - - - - 1 1				Red sand, medium-grained, slightly cemented, few green grains of glauconite - - - - - 12 33			
Light gray sand - - - - - 3 4				Tan glauconitic sand - - 2 35			
Gray and brown sand, medium-grained, loose - 4 8				Yellowish-gray sand - - 1 36			
Brown and gray sand - - - 8 16				Tan sand and blue clay - 3 39			
Tan sand, medium-grained - 2 18				Yellowish-gray sand - - 1 40			
Yellow and gray sand, mealy 1 19				Tan ferruginous sand - - 4 44			
Yellow sand with drak grains disseminated - - - - - 2 21				Gray sand, ferruginous - 1 45			
Tan sand - - - - - 5 26				Light tan sand - - - - - 2 47			
Gray and yellow sand with streaks of blue clay - - 3 29				Water level, 45.7 feet below top of ground, 3 hours after hole completed.			
No water sample collect. Oct. 22, 1936.				Water sample collected. Oct. 21, 1936.			
<u>Well 394</u>				<u>Well 398</u>			
Rolling land, on west side of county road near center east line of E. Watson tract, Jose Maria Viesca Survey. 18 miles southwest of Centerville.				Hillside, on west side of county road near east corner of F. M. Cheeney Estate, Pedro Pereira, Jose De Jesus and Maria Grande Survey. 17 miles southwest of Centerville.			
Gray sand, medium-grained - 1 1				Gray sand and gravel - - 1 1			
Light brown loose sand - - 5 6				Light brown clay and iron gravel - - - - - 1 2			
Gray sand and gravel - - - 1 7				Chocolate-brown clay - - 1 3			
Tan glauconitic sand - - - 2 9							
Yellowish-gray sand, slightly coherent, well stratified - - - - - 6 15							

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

	Thickness (feet)	Depth (feet)
<u>Well 398--Continued</u>		
Yellow and gray sandy clay and gravel - - - -	2	5
Gray sandy clay - - - -	1	6
Gray and yellow clay - -	1	7
Gray sand, fine-grained, with streaks of blue clay - - - -	2	9
Gray and yellow sand - -	4	13
Yellow sand with laminae of blue clay and gray sand -	3	16
Gray and yellow sand with streaks of brown clay -	2	18
Gray sand and chocolate-brown clay - - - -	1	19
Struck water at 19 feet.		
Water level, 16.4 feet below top of ground, 1/2 hour after hole completed.		
Water sample collected. Oct. 21, 1936.		

<u>Well 402</u>		
Hillside, on south side of county road near center west line of Joe St. Mary 165 acre tract, Pedro Pereira, Jose De Jesus, and Mariano Grande Survey. 15 1/2 miles southwest of Centerville.		
Brown surface soil - - - -	1	1
Brownish-red sand, glauconitic - - - -	1	2
Light brown sand, medium-grained - - - -	2	4
Tan medium-grained sand -	1	5
Gray sand with limonitic stains - - - -	3	8
Dark gray sticky clay, hard - - - -	1	9
No water sample collected. Oct. 14, 1936.		

<u>Well 405</u>		
Hillside, on north side of Flynn-Venetia road near southwest corner of R. Watson 160 acre tract, Anthony D. Kennard Survey. 16 1/2 miles southwest of Centerville.		
Gray surface sand - - - -	2	2
Yellow packed sand - - - -	1	3
Light red sandy clay - - -	1	4
Rock - - - - -		4
Struck rock at 4 feet.		
No water sample collected. Oct. 14, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 409</u>		
Rolling land, on west side of county road, M. W. Gilbert 16 acre tract, Pedro Pereira, Jose De Jesus, and Mariano Grande Survey. 17 1/2 miles southwest of Centerville.		
Surface soil - - - -	1	1
Brown sand - - - -	1	2
Gray sand - - - -	2	4
Gray sandy clay stained with limonite - - - -	1	5
Gray packed sand - - - -	1	6
Red and white sand - - - -	2	8
White sand rusty stains -	2	10
Red sand and gravel - - -	3	13
Gray and red sand - - - -	2	15
Water level, 12 feet below top of ground, 1 hour after hole completed.		
Water sample collected. Oct. 21, 1936.		

<u>Well 416</u>		
Near creek bed, north center of W. A. Sparks 30 acre tract, Leroy Boulware Survey. 17 miles southwest of Centerville.		
Gray sand - - - - -	2	2
Red and gray clay - - - -	2	4
Gray clay and sand with ferruginous stains - - -	3	7
Gray clay and sand - - - -	2	9
Brown clay and gray sand -	1	10
Chocolate-colored and yellow clay and iron gravel - - -	1	11
Brown clay - - - - -	1	12
Struck water at 12 feet.		
Water level, 9.5 feet below top of ground, 2 hours after hole completed.		
Water sample collected. Oct. 14, 1936.		

<u>Well 420</u>		
Rolling land, on west side of county road near north corner of J. H. Faison tract, Elijah Allen Survey. 17 miles southwest of Centerville.		
Surface sand - - - - -	1	1
White sand - - - - -	2	3
Light yellow sand with iron-rust stains - - - -	5	8
Red sandy clay - - - - -	3	11
Dark yellow sand - - - - -	2	13
Gray and red sand - - - -	1	14
Yellow sand and rock - - -	1	15
Gray clay with streaks of red clay - - - - -	1	16

(Continued on next page)

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

	Thickness (feet)	Depth (feet)
<u>Well 420--Continued</u>		
Red clay	1	17
Gray sandy clay	1	18
Yellow sand, ferruginous	5	23
Caving at 23 feet.		
Water sample collected. Oct. 31, 1936.		

<u>Well 423</u>		
Hillside, on west side of County road near center of Moore Grocery Co. 950 acre tract, Joel Langham Survey. 16½ miles west of Centerville.		
Surface soil	1	1
Loose brown sand	5	6
Brown sand	1	7
Gray sand with ferruginous stains	2	9
Brown sandy clay	1	10
Red and gray sandy clay, gravel and rock	1	11
Gray packed sand	3	14
Red sand	1	15
Water level, 7.7 feet below top of ground, 17 hours after hole completed.		
Water sample collected. Oct. 12, 1936.		

<u>Well 424</u>		
Indraw, on west side of county road near north corner of Moore Grocery Co. 950 acre tract. 16½ miles west of Centerville.		
Surface soil	1	1
Gray sand, medium-grained	4	5
Caving at 5 feet.		
Water level, 1.2 feet below top of ground, 22 hours after hole completed.		
Water sample collected. Oct. 13, 1936.		

<u>Well 425</u>		
Hillside, on east side of county road near south corner of B. A. Haynie tract, H. M. Winn Survey. 16½ miles west of Centerville.		
Light gray sand	5	5
Light brown sand	5	10
Laminated red and gray sand	1	11
Buff and gray clay and sand	1	12
Tan clay and sand with thin layers of gray sand	10	22
Light tan sand, fine	4	26
Buff sand	1	27
Yellow sand	6	33

	Thickness (feet)	Depth (feet)
<u>Well 425--Continued</u>		
Gray sand, medium-grained	1	34
Yellow and gray sand	1	35
Yellow sand with streaks of blue clay	1	36
Gray white and yellow sand	1	37
Gray sand	1	38
Struck water at 37 feet.		
Water level, 36 feet below top of ground, 20 hours after hole completed.		
Water sample collected. Oct. 21, 1936.		

<u>Well 430</u>		
Rolling land, on south side of county road near center of H. L. Carrington tract, John Copeland Survey. 16½ miles west of Centerville.		
Surface soil	2	2
Red and gray clay with ferruginous stains	2	4
Gray sand with rusty stains and gravel	1	5
Red and gray clay, large gravel and rock	2	7
No water sample collected. Oct. 12, 1936.		

<u>Well 512</u>		
Hillside on west side of county road near southeast corner of C. C. Walker 50 acre tract, Wilson O. Reavis Survey. 2¾ miles south of Oakwood.		
Brown top sand	1	1
Brown and gray sand	2	3
Red and gray sandy clay	1	4
Gray sand with iron stains	1	5
Brown and gray sandy clay with limonite stains	4	9
Brown and gray sand with rusty stains	1	10
Fine gray sand, micaceous	4	14
Struck water at 9 feet.		
Water level, 4.4 feet below top of ground, 1 hour after hole completed.		
Water sample collected. Feb. 9, 1937.		

<u>Well 515</u>		
Rolling land, on west side of county road near east corner of I. N. Calvin 216 acre tract. 3½ miles south of Oakwood.		
Gray top sandy soil	1	1
Stratified red and gray sandy clay	4	5
(Continued on next page)		

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

	Thickness (feet)	Depth (feet)
<u>Well 515--Continued</u>		
Buff sand, fine-grained	1	6
Red and gray clay, micaceous - - -	1	7
White silty sand - - -	1	8
Buff sand, fine, micaceous	5	13
White sand, fine, micaceous - - -	6	19
Gray sand, fine - - -	19	38
Tan sand, friable - - -	1	39
Yellow and gray sand - -	2	41
Buff sand - - - -	3	44
Buff sand and chocolate- colored clay - - -	3	47
Struck water at 44 feet.		
Water level, 44.9 feet below top of ground, 1 hour after hole completed.		
Water sample collected. Feb. 9, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 530</u>		
Hillside, on east side of county road near northeast corner of R. T. Johnson 160 acre tract, Chas. Clark Survey, 5 miles south of Oakwood.		
Brown sand - - - -	6	6
Tan sand, friable - - -	1	7
Brownish-gray sand - - -	3	10
Yellow and gray sand - -	2	12
Orange and gray sand - -	2	14
Buff sand - - - -	2	16
Mottled red, yellow and gray sand with thin seam of gray clay - - -	1	17
Gray sand, glauconitic - -	2	19
Gray and buff sand - - -	1	20
Yellowish-gray sand - - -	10	30
Gray sand, glauconitic - -	3	33
Brown and gray sand, coarse-grained - - -	1	34
Caving at 34 feet.		
Water sample collected. Feb. 9, 1937.		

Partial analyses of water from wells in Leon County, Texas

(Analyzed at The University of Texas under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry, by J. E. Stullken, C. R. Stewart, D. F. Riddell, and Alfred J. Kelly, Chemists and J. A. Harmaza, Martin Wieland and Jack Ramsey, Assistant Chemists. Results are in parts per million. Well numbers correspond to numbers in table of well records.)

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calc.)
2	J. D. Hill	66	Nov. 25, 1936	4,464	--	--	--	317	1,147	1,650	--
3	Jap Hull	26	do.	3,073	321	262	232	-	1,718	495	1,876
4	L. F. Phelps	33	do.	617	34	15	192	421	47	122	148
5	G. W. Foley	30	do.	166	--	--	--	122	a/	42	--
6	W.P.A. test well	18	do.	72	--	--	--	12	19	22	--
7	do.	16	do.	2,756	--	--	--	281	1,342	400	--
8	J.A. Beddingfield	31	do.	2,579	--	--	--	439	828	650	--
9	Mrs. Kate Ellis	28	do.	70	--	--	--	24	a/	32	--
10	W.P.A. test well	23	Nov. 21, 1936	72	--	--	--	31	a/	30	--
11	Friendship School	25	Nov. 23, 1936	36	--	--	--	24	a/	10	--
12	W.P.A. test well	17	do.	24	--	--	--	12	a/	9	--
13	G. W. McDonald	55	do.	23	--	--	--	12	a/	8	--
14	Mrs. W. W. Corbey	39	do.	50	--	--	--	12	a/	27	--
15	T. S. Minter	31	do.	314	--	--	--	37	35	150	--
16	W. J. Hancock	22	do.	530	44	21	121	37	272	104	198
17	W. P. A. test well	23	do.	37	--	--	--	12	a/	17	--
18	J. M. Parker	57	Nov. 12, 1936	32	1	1	11	24	a/	7	5
19	L. E. Sanders	40	do.	76	--	--	--	55	a/	20	--
20	John Holmes	21	do.	322	--	--	--	104	101	60	--
21	P. D. Daughtry	20	Feb. 18, 1936	182	--	--	--	139	8	10	--
22	W.P.A. test well	26	Nov. 28, 1936	83	--	--	--	49	19	10	--
23	I. F. Betts & T. S. Minter	33	Nov. 12, 1936	85	--	--	--	37	24	14	--
24	R. S. Robinson	30	do.	331	--	--	--	104	55	108	--
26	T. S. Minter	66	Nov. 10, 1936	129	--	4	42	24	31	40	18
27	W.P.A. test well	42	Nov. 11, 1936	742	--	--	--	79	97	345	--
23	W. P. Flatt	52	do.	503	--	--	--	--	74	255	--
29	M. C. Taylor	33	do.	106	--	--	--	18	39	23	--

a/ Sulfate less than 10 parts per million.

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

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calc.)
30	W. L. Evans	Spring	Nov. 20, 1936	42	--	--	--	18	a/	17	--
31	H. W. Haley	17	Nov. 12, 1936	67	--	--	--	31	a/	27	--
32	Jewell Ind. School District	22	Nov. 20, 1936	144	15	10	17	24	84	8	81
33	City of Jewett	402	do.	234	26	12	32	6	136	25	112
34	George Kyle	7	Dec. 5, 1936	46	--	--	--	43	a/	7	--
35	Jimmie Adkisson	26	do.	74	9	2	17	24	a/	34	32
38	Aubrey Carlisle	47	do.	1,792	84	43	501	18	455	700	386
39	E. R. Carlisle	35	do.	975	64	50	197	--	334	330	366
40	W.P.A. test well	31	do.	34	--	--	--	24	a/	9	--
41	Rosa Williams	33	do.	200	12	12	48	12	a/	122	77
43	T. C. Copeland	30	do.	4,522	322	169	540	--	2,753	645	1,500
44	-- Pennington	38	do.	90	--	--	--	18	a/	43	--
46	--	--	do.	89	--	--	--	55	23	7	--
47	George St. John	37	Nov. 30, 1936	92	--	--	--	55	16	16	--
48	W.P.A. test well	28	do.	220	--	--	--	37	101	30	--
49	Webb Stewart	19	Dec. 5, 1936	671	--	--	--	122	a/	365	--
50	City of Buffalo	681	Dec. 3, 1936	174	10	3	57	159	16	10	37
52	A. W. Jowers	55	Dec. 29, 1936	661	--	--	--	--	290	160	--
53	W. B. Reeder	34	do.	67	--	--	--	31	a/	27	--
54	B. W. Reeder	Spring	Feb. 15, 1936	72	--	--	--	31	23	9	--
56	W.P.A. test well	15	Nov. 30, 1936	51	--	--	--	6	19	12	--
57	J. W. Cooper	13	Feb. 15, 1936	132	--	--	--	93	23	8	--
58	Davis Branch School	18	do.	56	1	8	10	31	a/	22	35
59	R. E. Horn	51	do.	327	32	17	56	--	126	96	150
60	Z. B. Whitehurst	27	Nov. 30, 1936	32	--	--	--	13	a/	11	--
61	W.P.A. test well	36	Dec. 10, 1936	72	--	--	--	6	31	15	--
62	W. A. Albritton	27	do.	147	--	--	--	31	31	50	--
63	J. C. Gardner	15	do.	88	--	--	--	43	a/	34	--
64	W.F.A. test well	13	do.	163	--	--	--	31	62	35	--
65	J. T. Pilley	24	do.	63	--	--	--	31	16	13	--
66	Hiram Smith	23	do.	77	--	--	--	12	a/	43	--
67	W.P.A. test well	11	do.	354	--	--	--	140	54	104	--

a/ Sulfate less than 10 parts per million.

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

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calc.)
69	G. L. Walker	200	Nov. 30, 1936	784	49	43	110	--	303	240	297
70	W.P.A. test well	26	Dec. 28, 1936	173	--	--	--	24	54	52	--
71	Bob Smith	23	Nov. 30, 1936	100	--	--	--	12	47	15	--
72	Mrs. S.F. Parker	38	do.	411	--	--	--	6	66	200	--
73	J. W. Garland	24	Jan. 2, 1937	52	--	--	--	12	a/	27	--
74	W.P.A. test well	20	Dec. 10, 1936	56	--	--	--	13	16	12	--
75	Mrs. Mae Garland	17	Jan. 2, 1937	60	--	--	--	43	a/	16	--
77	J. B. Adams	41	Feb. 4, 1936	63	--	--	--	24	19	10	--
78	W. S. Phillips	52	do.	80	--	--	--	12	23	24	--
79	S. L. Elgin	33	Nov. 30, 1936	3,738	32	63	68	--	3,227	210	340
81	E. D. McIntosh	22	Jan. 4, 1937	303	18	16	59	--	74	136	110
82	do.	14	do.	51	--	--	--	24	a/	20	--
83	W.P.A. test well	25	Feb. 15, 1937	726	23	36	181	--	226	260	208
84	G. W. Lee	41	Dec. 28, 1936	239	16	14	55	12	a/	143	99
85	do.	6,040	Jan. 4, 1937	244	--	--	--	177	51	17	--
86	G. W. Lee	300	do.	190	18	7	42	98	55	20	74
88	A. J. Barnett	47	Feb. 15, 1937	60	--	--	--	49	a/	13	--
89	Roy Williams	32	Feb. 16, 1937	231	--	12	45	--	149	25	48
90	W.P.A. test well	21	do.	87	--	--	--	12	39	14	--
91	Roy Williams	35	Dec. 28, 1936	43	--	--	--	18	a/	18	--
94	W.P.A. test well	17	Feb. 15, 1937	52	--	--	--	6	16	16	--
95	G. W. Bounds	37	do.	25	--	--	--	6	a/	13	--
96	Mrs. R. Gordon	49	Feb. 8, 1937	99	--	--	--	12	32	23	--
99	A. Jones	25	Dec. 28, 1936	91	--	--	--	67	12	12	--
100	R. D. Jones	32	do.	114	--	--	--	67	a/	33	--
102	W.P.A. test well	12	Feb. 5, 1937	954	--	--	--	--	a/	610	--
103	Zetta Cothran	21	Dec. 28, 1936	93	--	--	--	43	a/	37	--
105	J. C. Jones	28	Feb. 5, 1937	81	2	3	23	12	27	20	17
106	B. F. Phillips	33	do.	183	--	--	--	6	73	43	--
107	J. L. Shaw	--	Nov. 13, 1936	179	15	8	39	92	58	14	70
109	Shell Petroleum Corp.	400	Nov. 17, 1936	183	1	6	43	55	32	19	53
110	W.P.A. test well	22	Feb. 8, 1937	69	--	--	--	12	a/	38	--

a/ Sulfate less than 10 parts per million.

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

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calc.)
112	A. Jones	19	Feb. 5, 1937	67	--	--	--	49	a/	17	--
113	Burley Holmes	31	Feb. 8, 1937	187	--	--	--	12	a/	113	--
114	J.H. Strickland	20	Mar. 1, 1937	63	6	5	12	37	a/	22	34
116	F. B. Manning	77	Feb. 15, 1937	47	--	--	--	31	a/	14	--
117	C. A. Boykin	42	do.	34	--	--	--	24	a/	9	--
118	H. H. Tilley	62	Feb. 10, 1937	203	--	--	--	31	32	85	--
119	Lewis Johnson	450	Mar. 1, 1937	211	7	10	63	177	24	20	61
120	W. D. Leathers	26	Feb. 10, 1937	40	--	--	--	12	a/	19	--
121	L. J. Tubbs	42	Feb. 12, 1937	346	--	--	--	79	135	12	--
122	Hattie Robertson	36	Feb. 13, 1937	167	--	--	--	55	35	46	--
123	James Walker	39	Feb. 12, 1937	159	--	--	--	116	35	9	--
125	Mrs. Maggie Hogan	39	Feb. 13, 1937	88	--	--	--	12	a/	50	--
126	W. A. Gipson	37	Feb. 3, 1937	45	--	--	--	18	a/	19	--
127	T. W. McKee	55	Feb. 13, 1937	43	--	--	--	12	a/	21	--
128	L. R. Tubbs	934	Dec. 23, 1936	323	68	19	25	220	50	37	247
129	George Parker	26	do.	89	1	2	18	--	58	10	11
130	Joe Painich	35	Dec. 21, 1936	102	--	--	--	79	a/	24	--
131	Sam Leathers	307	do.	148	19	10	20	79	43	17	91
132	Joel Leathers	38	do.	508	75	17	98	183	a/	225	255
133	W.P.A. test well	17	Dec. 23, 1936	195	17	9	45	24	a/	112	31
134	R. Manning	30	do.	181	--	--	--	18	a/	106	--
135	G. C. Manville	33	do.	282	20	18	21	--	152	21	127
136	L. C. Tubb	16	do.	506	--	--	--	24	51	265	--
137	Jack Lacey	24	Dec. 31, 1936	3,843	251	151	1,005	12	a/	2,430	--
138	W. R. Cash	27	Dec. 23, 1936	193	--	--	--	31	55	58	--
139	do.	39	do.	1,106	29	24	367	12	a/	680	170
140	H. Manning	62	Feb. 13, 1937	109	--	--	--	6	24	45	--
141	F. P. Hickman	52	Dec. 31, 1936	85	--	--	--	12	43	9	--
142	R. C. Burleson	46	Feb. 3, 1937	40	--	--	--	24	a/	13	--
143	Henry Davis	34	do.	51	--	--	--	18	12	12	--
144	Pleasant Springs School	Spring	do.	31	2	3	6	18	a/	11	17
145	Andy Brewer	21	do.	47	--	--	--	24	a/	17	--
146	J. D. Stell	25	Dec. 31, 1936	186	--	--	--	146	a/	42	--

a/ Sulfate less than 10 parts per million.



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

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calc.)
147	Evy Holmes	52	Dec. 31, 1936	429	--	--	--	6	90	190	--
148	Robert Benton	Spring	do.	57	--	--	--	49	a/	11	--
149	W.P.A. test well	33	do.	44	--	--	--	6	a/	25	--
150	T. P. Sherman	Spring	Dec. 22, 1936	37	3	--	12	24	a/	10	7
151	Ed. Sherman	16	do.	71	6	6	12	43	16	10	38
153	M. C. Garver	45	Dec. 7, 1936	671	--	--	--	110	24	350	--
154	D. W. Bain	30	Dec. 22, 1936	32	--	--	--	18	a/	11	--
155	Edwin Phillips	23	do.	39	--	--	--	6	35	22	--
156	W.P.A. test well	34	Dec. 31, 1936	75	--	--	--	6	20	27	--
157	Mrs. Allie Bain	30	Nov. 30, 1936	62	4	4	12	13	20	13	28
158	R. W. Gardner	33	do.	337	--	--	--	268	58	54	--
159	W.P.A. test well	32	do.	563	91	50	--	--	338	43	432
160	Mrs. M. E. Corbey	53	Nov. 27, 1936	519	--	--	--	128	66	205	--
161	W.P.A. test well	20	do.	51	--	--	--	12	19	9	--
162	C. A. Dezell	24	do.	59	--	--	--	12	27	7	--
164	D. F. Fortson	22	do.	37	4	3	6	18	a/	15	22
165	W.P.A. test well	24	do.	153	--	--	--	24	39	50	--
166	F. M. Simms	25	Nov. 10, 1936	732	--	--	--	85	265	265	--
167	do.	36	do.	3,322	387	161	486	134	1,512	710	1,630
168	J. L. Neyland	24	do.	452	--	--	--	268	125	35	--
169	J. D. Posey	58	Nov. 18, 1936	199	--	--	--	201	a/	22	--
170	H. R. Simons	31	Nov. 10, 1936	256	--	--	--	165	39	42	--
171	W. W. Shive	26	do.	197	--	--	--	214	a/	14	--
172	Fannie McGill	11	do.	34	--	--	--	79	a/	12	--
173	W.P.A. test well	8	do.	102	--	--	--	24	39	17	--
176	J. W. Hall	16	Oct. 23, 1936	88	--	--	--	31	a/	40	--
177	D. B. Craig	19	do.	88	--	--	--	37	a/	37	--
178	W.P.A. test well	19	do.	39	--	--	--	24	a/	12	--
179	D. B. Craig	19	do.	38	--	--	--	18	a/	15	--
180	W. A. Simpson	20	do.	180	--	--	--	139	a/	16	--
182	D. W. Simpson	19	Nov. 11, 1936	247	--	--	--	244	a/	30	--
183	O. H. Henry	35	Oct. 1, 1936	121	--	--	--	110	a/	20	--
184	D. Pipes	Spring	do.	35	--	--	--	13	a/	13	--
185	do.	25	do.	61	--	--	--	24	a/	26	--

a/ Sulfate less than 10 parts per million.

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

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calc.)
186	W.P.A. test well	21	Oct. 1, 1936	79	--	--	--	12	a/	44	--
188	C. M. Barrett	29	Oct. 20, 1936	491	--	--	--	464	12	60	--
191	D. W. Simpson	30	Oct. 2, 1936	171	--	--	--	171	a/	20	--
192	Fletcher Seale	19	Nov. 11, 1936	297	67	15	25	195	24	70	229
193	M. Reed	Spring	do.	206	58	10	--	116	61	20	136
194	W.P.A. test well	14	do.	927	--	--	--	214	505	23	--
195	A. R. Oehler	36	do.	52	--	--	--	37	a/	14	--
196	W.P.A. test well	16	Nov. 10, 1936	117	--	--	--	12	16	54	--
197	Mrs. Will Evans	21	do.	74	--	--	--	31	24	10	--
198	Mrs. A. D. Ivey	53	Nov. 11, 1936	119	--	--	--	12	a/	70	--
200	J. F. Moon	Spring	Oct. 15, 1936	5,537	508	238	1,060	12	1,915	1,310	2,246
202	Guy Burleson	32	Oct. 20, 1936	175	12	6	42	18	53	53	53
203	Dewitt Burleson	25	do.	264	--	--	--	43	58	94	--
204	W.P.A. test well	33	Oct. 15, 1936	711	--	--	--	55	173	265	--
205	J. B. Moody	25	do.	293	--	--	--	171	61	43	--
206	W.P.A. test well	21	Oct. 20, 1936	625	--	--	--	201	42	275	--
207	W. B. Speer	34	Oct. 15, 1936	118	--	--	--	85	20	13	--
208	do.	31	do.	76	--	--	--	49	12	12	--
209	W.P.A. test well	24	Oct. 20, 1936	126	--	--	--	61	35	17	--
210	do.	17	do.	421	28	13	94	--	191	95	123
211	A. D. Peoples	32	do.	100	--	--	--	18	28	29	--
212	do.	24	do.	945	78	30	206	49	347	260	319
213	J. I. Grimes	21	do.	122	--	--	--	92	a/	30	--
214	W.P.A. test well	17	do.	265	--	--	--	73	50	86	--
215	Mrs. F. E. McDaniel	23	do.	1,088	--	--	--	250	a/	565	--
216	W.P.A. test well	22	Nov. 20, 1936	3,276	613	748	873	--	4,855	1,170	4,607
217	do.	13	do.	199	6	13	42	--	a/	138	68
218	do.	18	do.	42	--	--	--	18	a/	17	--
219	do.	12	do.	1,068	149	72	78	--	583	186	670
220	R. J. Newsom	18	do.	136	--	--	--	6	66	11	--
221	T. W. Newsom	15	do.	336	36	23	43	--	144	90	184
222	K. Thomas	35	do.	918	--	--	--	6	374	245	--
223	W.P.A. test well	17	Nov. 12, 1936	2,342	--	--	--	12	358	1,180	--
224	E. R. Hull	27	Nov. 21, 1936	99	--	--	--	6	39	25	--

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

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calc.)
225	W. H. Clute	19	Nov. 21, 1936	54	--	--	--	24	a/	22	--
226	W.P.A. test well	28	do.	39	--	--	--	24	a/	12	--
227	do.	33	Nov. 20, 1936	72	--	--	--	24	24	12	--
228	T. O. Petty	31	do.	77	--	--	--	31	24	12	--
230	B. A. Grayson	26	Dec. 19, 1936	1,164	64	15	358	403	194	330	220
231	E. R. Martin	16	Dec. 9, 1936	526	--	--	--	220	222	20	--
232	S. D. Grayson	13	do.	730	26	15	221	195	202	170	129
234	M. R. Martin	25	do.	523	--	--	--	123	47	225	--
235	M. B. Burton	25	Oct. 12, 1936	1,743	59	17	552	592	623	196	215
237	Dr.D.C.Carrington	15	Oct. 6, 1936	480	--	--	--	67	121	162	--
238	C. O. Jones	50	Oct. 12, 1936	732	--	--	--	49	36	365	--
239	Dr.D.C.Carrington	38	Oct. 6, 1936	74	--	--	--	49	a/	22	--
240	do.	59	do.	57	--	--	--	31	12	10	--
241	W.P.A. test well	37	do.	146	4	7	43	24	a/	30	39
242	Burk Winn	23	Oct. 7, 1936	112	9	2	28	43	40	12	31
244	John Sharp	30	do.	100	--	--	--	12	55	8	--
245	do.	21	do.	219	--	--	--	12	129	17	--
246	W. N. Martin	27	do.	136	--	--	--	24	51	28	--
247	L. J. Downs	20	do.	241	--	--	--	49	113	26	--
243	W.P.A. test well	18	Oct. 13, 1936	11,097	998	760	1,637	--	3,056	4,590	5,626
249	City of Marquez	691	Oct. 5, 1936	591	2	--	253	647	a/	18	5
250	J. B. Jones	14	do.	275	29	9	58	67	66	80	111
251	R. A. Winn	16	do.	323	38	15	252	293	133	196	159
252	W.P.A. test well	20	do.	4,247	--	--	--	6	2,360	575	--
253	do.	21	do.	4,053	147	156	473	--	2,675	530	1,008
254	do.	6	Oct. 6, 1936	232	--	--	--	6	43	138	--
255	A. T. Seale	29	Oct. 3, 1936	933	--	--	--	98	271	300	--
257	R. M. Wynn	Spring	do.	59	--	--	--	24	a/	25	--
258	W.P.A. test well	23	do.	--	--	--	--	--	a/	83	--
259	R. M. Wynn	52	do.	115	--	--	--	24	12	50	--
261	W.P.A. test well	13	Oct. 23, 1936	93	--	--	--	37	20	22	--
262	I. N. Prather	24	Oct. 24, 1936	84	22	6	3	85	a/	11	73
263	Magnolia Pet. Co.	20	Oct. 2, 1936	87	11	1	23	55	a/	25	30
264	W.P.A. test well	31	Oct. 1, 1936	33	--	--	--	18	a/	15	--

a/ Sulfate less than 10 parts per million.

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

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calc.)
265	Spring Creek Negro School	27	Nov. 13, 1936	50	8	3	8	43	a/	10	32
266	J. E. Wilkerson	Spring	do.	42	---	---	---	31	a/	11	---
267	Bruce Langford	Spring	Dec. 7, 1936	40	---	---	---	18	a/	16	---
268	W.P.A. test well	25	do.	73	---	---	---	13	23	16	---
269	Tate King	94	Dec. 22, 1936	144	22	9	20	18	a/	84	90
270	W. S. Ward	31	do.	36	---	---	---	31	a/	7	---
272	W. R. Thompson	234	Dec. 27, 1936	85	4	6	23	79	a/	13	33
273	Mrs. C. Shaddix	25	Dec. 22, 1936	53	---	2	19	37	a/	14	8
274	I. C. Robeson	30	do.	107	---	---	---	6	39	30	---
275	W.P.A. test well	32	Dec. 12, 1936	5,414	---	---	---	250	1,481	1,990	---
276	B. A. Coleman	60	do.	3,126	---	---	---	397	636	1,170	---
277	W. W. Hill	24	do.	41	---	---	---	31	a/	10	---
278	W.P.A. test well	43	do.	6,037	---	---	---	13	1,847	2,210	---
279	J. C. McCoy	234	do.	221	8	7	69	140	35	33	49
280	B. A. Coleman	238	do.	298	36	12	54	104	97	48	137
281	Jack Marshall	14	Dec. 21, 1936	179	---	---	---	24	a/	102	---
282	James Fleming	65	do.	709	138	19	70	153	331	76	425
283	W.P.A. test well	13	do.	4,043	496	184	347	---	2,449	550	1,994
284	J. R. Leathers	34	do.	57	---	---	---	49	a/	11	---
285	Rush Holleman	30	do.	581	---	---	---	13	234	150	---
286	Johnny Bill King	37	do.	345	---	---	---	317	148	240	---
287	Henry Thomas	42	Dec. 22, 1936	301	---	---	---	24	a/	130	---
288	Dan Nealy	37	Dec. 11, 1936	1,621	270	112	84	37	857	280	1,134
290	Brac Wilson	22	do.	117	16	12	12	43	a/	56	87
291	W.P.A. test well	27	do.	8,916	817	780	1,020	559	4,024	2,000	5,250
292	Brac Wilson	Spring	do.	106	---	---	---	55	31	11	---
293	J. W. Dickey	31	Dec. 8, 1936	910	---	---	---	12	12	565	---
294	J. R. Leather	28	do.	26	---	---	---	12	a/	10	---
295	W.P.A. test well	19	do.	146	---	---	---	13	78	13	---
296	T. C. Way	39	do.	325	---	---	---	---	20	190	---
297	Ghoul Hopkins	19	do.	772	49	24	211	24	31	445	220
298	R. R. Cundiff	120	Dec. 7, 1936	3,635	630	160	261	250	2,026	435	2,360

a/ Sulfate less than 10 parts per million.

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

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calc.)
299	Mrs. J. B. Jones	120	Oct. 26, 1936	522	--	--	--	92	183	120	--
301	W. B. Riley	92	Dec. 7, 1936	575	--	--	--	201	159	118	--
302	Louie Thompson	19	do.	449	--	--	--	305	74	60	--
303	Elbert Holley	59	Dec. 8, 1936	814	--	--	--	421	194	124	--
304	W.P.A. test well	54	Dec. 7, 1936	658	--	--	--	323	121	142	--
306	H. Durst	29	do.	129	--	--	--	12	51	30	--
307	State Highway Dept.	36	do.	117	2	7	28	12	54	20	34
308	J.A.Gindratt	59	do.	177	--	--	--	12	58	54	--
309	W.P.A. test well	26	do.	140	--	4	42	--	66	28	18
310	Mrs. Ella Rogers	28	do.	484	40	17	112	85	109	164	171
311	J. L. O'Keefe	35	Dec. 29, 1936	187	52	19	--	49	a/	92	207
312	L. D. Thompson	21	Oct. 29, 1936	151	--	--	--	18	12	76	--
313	Mrs. J. H. Adkisson	29	Oct. 30, 1936	72	--	--	--	--	a/	46	--
314	do.	10	do.	80	--	--	--	18	27	17	--
315	W. C. House	30	Nov. 19, 1936	347	--	--	--	49	156	55	--
316	J. B. McCree	27	do.	57	--	--	--	24	12	13	--
317	A. M. Easterling	24	Oct. 30, 1936	107	--	--	--	73	16	16	--
318	W.P.A. test well	16	do.	256	--	--	--	6	78	90	--
319	J. M. May	16	do.	120	--	--	--	12	39	35	--
320	Sam Edwards	11	do.	76	--	--	--	18	8	32	--
321	W.P.A. test well	15	do.	5,638	--	--	--	43	2,586	1,240	--
322	John Adkisson	27	Oct. 29, 1936	678	--	--	--	153	109	255	--
323	W. T. Rasco	57	do.	525	--	--	--	153	183	90	--
324	F. M. Wilson	32	do.	1,160	--	--	--	92	413	320	--
325	do.	66	do.	674	--	--	--	73	47	350	--
326	J. D. Adkisson	64	do.	466	--	--	--	287	86	70	--
328	W.P.A. test well	24	Oct. 27, 1936	1,590	--	--	--	315	793	132	--
329	Mattie Wooley	95	do.	722	--	--	--	323	175	134	--
330	B. R. Murff	17	Nov. 9, 1936	214	--	--	--	24	113	22	--
331	Clarence Cole	17	do.	399	36	26	55	--	214	68	196
332	Fred A. Cox	28	Nov. 5, 1936	743	--	--	--	6	179	310	--
333	R. Hollingsworth	23	do.	133	4	3	45	79	12	30	22
334	W.P.A. test well	19	do.	5,096	--	--	--	--	1,147	2,220	--
335	W. H. Kirkpatrick	27	Oct. 30, 1936	244	49	19	5	18	82	80	202

a/ Sulfate less than 10 parts per million.

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

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calc.)
336	Chas. Lamb	26	Oct. 30, 1936	434	--	--	--	37	210	100	--
337	E.M.Hollingsworth	30	Nov. 19, 1936	96	--	--	--	18	a/	52	--
338	R.T.Hollingsworth Spring		do.	52	--	3	16	12	a/	27	13
339	Richard Carrington	9	Dec. 3, 1936	29	--	--	--	24	a/	6	--
340	W.P.A. test well	20	Oct. 1, 1936	34	--	--	--	18	a/	12	--
341	L. L. Grimes	33	Oct. 2, 1936	37	--	--	--	12	8	10	--
342	W.P.A. test well	9	Oct. 3, 1936	210	--	--	--	43	46	70	--
344	L. Byrd	20	do.	161	--	--	--	31	23	62	--
345	W.P.A. test well	11	do.	5,244	329	141	1,445	6	406	2,920	1,402
346	J.H.Richardson	15	Oct. 2, 1936	91	--	--	--	31	23	21	--
347	W.P.A. test well	16	do.	2,647	--	--	--	6	596	1,150	--
348	R. E. Seales	Spring	Nov. 6, 1936	69	--	--	--	24	16	17	--
350	T. G. Duncan	19	do.	67	--	--	--	3	27	15	--
351	J. F. Grant	21	Sept. 30, 1936	225	--	--	--	49	43	80	--
352	R.T.Hollingsworth	20	Nov. 5, 1936	211	--	--	--	55	20	88	--
353	W.P.A. test well	45	do.	52	--	--	--	31	a/	17	--
354	J. B. Kitchens	60	do.	73	--	--	--	43	12	17	--
355	J. D. Washburn	22	do.	831	91	63	85	6	374	210	507
356	W.P.A. test well	20	do.	1,942	--	--	--	31	272	930	--
357	do.	21	Sept. 28, 1936	239	--	--	--	37	27	109	--
358	D. A. Peters	34	do.	47	--	--	--	24	8	10	--
359	Greenlee McKnight	70	do.	117	--	--	--	37	12	45	--
362	B. H. Henry	38	do.	31	--	--	--	24	12	23	--
364	-- Polk	77	do.	569	--	--	--	--	234	152	--
365	Sanger Bros.	55	Sept. 29, 1936	503	62	15	118	336	24	124	219
366	Chas. Mills	95	Oct. 27, 1936	1,986	--	--	--	263	706	490	--
367	Mattie Wooley	193	do.	246	30	14	46	201	31	26	134
368	L. L. Laningham	100	do.	1,275	--	--	--	79	575	250	--
369	Mattie Wooley	--	do.	315	--	--	--	139	31	74	--
370	J. R. Payne	161	Sept. 29, 1936	135	17	10	22	104	a/	35	86
372	Interstate Public Service Co.	300	Oct. 26, 1936	573	75	48	71	318	94	128	385
373	City of Normangee	338	Sept. 30, 1936	49	1	5	12	43	a/	10	23
374	W.P.A. test well	21	Oct. 26, 1936	4,070	545	179	505	220	2,253	470	2,101
375	J. C. Ford	210	Sept. 30, 1936	170	17	9	34	110	36	20	31
376	Ernest Frankfort	115	Oct. 26, 1936	2,113	257	91	365	305	550	700	1,016
377	J. P. Burns	152	do.	219	30	13	41	214	a/	30	128

a/ Sulfate less than 10 parts per million.

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

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calc.)
378	A.W.Lathrop Estate	30	Oct. 25, 1936	626	--	--	--	67	133	245	--
379	Otto Schultze	76	do.	323	--	--	--	98	58	106	--
380	P. Youngblood	40	Sept. 30, 1936	703	--	--	--	43	140	300	--
381	R. V. Holleman	22	Sept. 9, 1936	1,432	--	--	--	12	35	910	--
382	do.	35	do.	1,419	--	--	--	31	24	870	--
383	W.P.A. test well	25	Nov. 6, 1936	312	--	--	--	13	a/	190	--
384	do.	19	do.	489	--	--	--	37	264	54	--
385	J. C. Ford	1,100	Oct. 22, 1936	166	14	10	41	183	a/	11	76
387	H. M. Donaldson	30	Nov. 9, 1936	35	6	4	2	37	a/	5	33
388	W. M. Pankonien	60	Oct. 22, 1936	13	--	--	--	12	a/	5	--
390	Blackgum School	58	do.	52	13	1	7	49	a/	7	35
391	C. S. Taylor	29	Oct. 21, 1936	47	--	--	--	24	a/	17	--
392	E. C. Watson	Spring	Oct. 22, 1936	35	--	--	--	18	a/	13	--
393	D. Moon	16	Oct. 21, 1936	18	--	--	--	12	a/	5	--
394	W.P.A. test well	27	do.	53	--	--	--	18	16	10	--
395	W. E. Adams	28	Nov. 17, 1936	38	--	--	--	18	a/	15	--
396	W.P.A. test well	47	Oct. 21, 1936	119	--	--	--	35	24	10	--
397	C. B. Williams	25	do.	274	--	--	--	49	55	100	--
398	W.P.A. test well	19	do.	783	--	--	--	12	474	68	--
399	W. R. Snow	Spring	Nov. 17, 1936	45	--	--	--	31	a/	13	--
400	Gus Lanier	31	Nov. 6, 1936	71	--	--	--	37	10	12	--
401	Dave Snow	27	do.	129	--	--	--	67	8	40	--
403	Jake Watson	23	do.	276	--	--	--	43	80	32	--
404	H. E. Watson	35	do.	273	--	--	--	31	98	70	--
406	Ed. Watson	39	Oct. 14, 1936	54	--	--	--	24	12	11	--
407	Mrs.G.H.Donelson	39	Oct. 21, 1936	137	--	--	--	93	16	54	--
408	Toliver Jackson	Spring	Oct. 14, 1936	35	--	2	11	12	a/	16	8
409	W.P.A. test well	15	Oct. 21, 1936	187	--	--	--	49	59	41	--
410	M. W. Gilbert	53	Oct. 14, 1936	92	7	2	26	61	16	11	26
411	W. C. Streater	Spring	do.	53	--	--	--	6	a/	31	--
412	Venetia School	56	Oct. 12, 1936	1,161	--	--	--	6	435	300	--
413	A. J. Hodges	82	Oct. 16, 1936	430	22	14	121	12	24	243	114
414	R. L. Watson	29	do.	142	--	--	--	24	a/	73	--

a/ Sulfate less than 10 parts per million.

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

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calc.)
415	R. L. Watson	19	Oct. 16, 1936	90	--	--	--	67	16	8	--
416	W.P.A. test well	12	Oct. 14, 1936	1,312	--	--	--	12	538	300	--
417	Mrs.O.L.Winstead	32	Oct. 13, 1936	143	--	--	--	55	24	41	--
418	W. A. Sparks	51	do.	252	--	--	--	31	68	90	--
419	J. H. Faison	30	Oct. 12, 1936	205	--	--	--	49	47	64	--
420	W.P.A. test well	23	Oct. 13, 1936	1,098	--	--	--	85	58	605	--
421	Moore Grocery Co.	23	do.	154	--	--	--	110	12	30	--
422	do.	31	do.	766	76	21	185	92	39	400	278
423	W.P.A. test well	15	Oct. 12, 1936	70	--	--	--	24	a/	32	--
424	do.	5	Oct. 13, 1936	237	--	--	--	55	a/	123	--
425	do.	33	Oct. 10, 1936	274	--	--	--	12	43	130	--
426	B. A. Haynie	73	do.	35	2	3	27	6	a/	50	17
427	do.	34	Oct. 13, 1936	100	--	--	--	55	20	17	--
428	R. F. Dean	21	do.	392	--	--	--	79	36	177	--
429	Goree King	22	Oct. 12, 1936	1,445	73	58	388	12	595	320	236
501	J. R. Mullenax	17	Sept. 29, 1936	303	8	23	48	--	152	67	114
502	D. R. McKinnon	30	Feb. 24, 1937	123	--	--	--	--	a/	82	--
503	B. F. Utsey	19	do.	51	--	--	--	24	12	9	--
505	J. E. Morgan	32	do.	391	--	--	--	128	39	90	--
506	Will Holly	10	Dec. 29, 1936	109	--	--	--	18	a/	60	--
507	A. F. Lambeth	47	do.	47	--	--	--	31	a/	14	--
508	D. B. Scarborough	300	do.	268	42	6	51	165	58	30	123
509	City of Oakwood	189	do.	212	39	9	30	189	31	10	136
510	E. B. McMillan	34	Feb. 12, 1937	696	--	--	--	177	102	260	--
511	J. M. Dixon	19	do.	573	--	--	--	177	79	202	--
512	W.P.A. test well	14	Feb. 9, 1937	937	--	--	--	61	253	370	--
513	Will Hagler	32	do.	128	--	--	--	24	a/	69	--
514	I. N. Calvin	49	do.	158	12	3	43	37	28	54	42
515	W.P.A. test well	47	do.	240	--	--	--	6	73	80	--
516	H. T. Richmond	21	Feb. 12, 1937	419	--	--	--	6	83	190	--
518	Curry Devaughns	34	do.	550	--	--	--	390	a/	147	--
519	C. R. Polen	29	do.	174	--	--	--	116	24	29	--
520	do.	--	do.	186	--	--	--	153	32	10	--
521	S. M. Hammett	--	Feb. 25, 1937	213	--	--	--	146	51	13	--

a/ Sulfate less than 10 parts per million.



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

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calc.)
522	Esther Challecomb	146	Feb. 25, 1937	200	--	--	--	165	35	10	--
523	Simon Tryon	50	Feb. 12, 1937	274	65	9	26	104	a/	123	201
524	Esther Challecomb	750	Feb. 10, 1937	159	--	6	56	128	20	14	23
525	Riley Pate	Spring	do.	38	--	--	--	18	a/	15	--
526	do.	55	do.	103	--	--	--	55	12	26	--
527	Wm. Simpson	57	Feb. 9, 1937	73	--	--	--	24	a/	34	--
529	R. T. Johnson	43	do.	24	--	--	--	18	a/	6	--
530	W.P.A. test well	34	do.	84	--	--	--	31	20	20	--
531	Mrs. Bell Haley	44	do.	81	--	--	--	18	23	17	--
532	Wm. P. Simpson	59	do.	181	--	--	--	37	55	47	--
533	do.	174	Feb. 16, 1937	472	84	27	39	159	181	63	322
534	do.	354	Feb. 9, 1937	153	--	--	--	134	14	13	--
535	do.	396	Feb. 23, 1937	146	12	4	36	67	39	22	48
536	do.	37	Feb. 24, 1937	127	--	--	--	12	a/	62	--

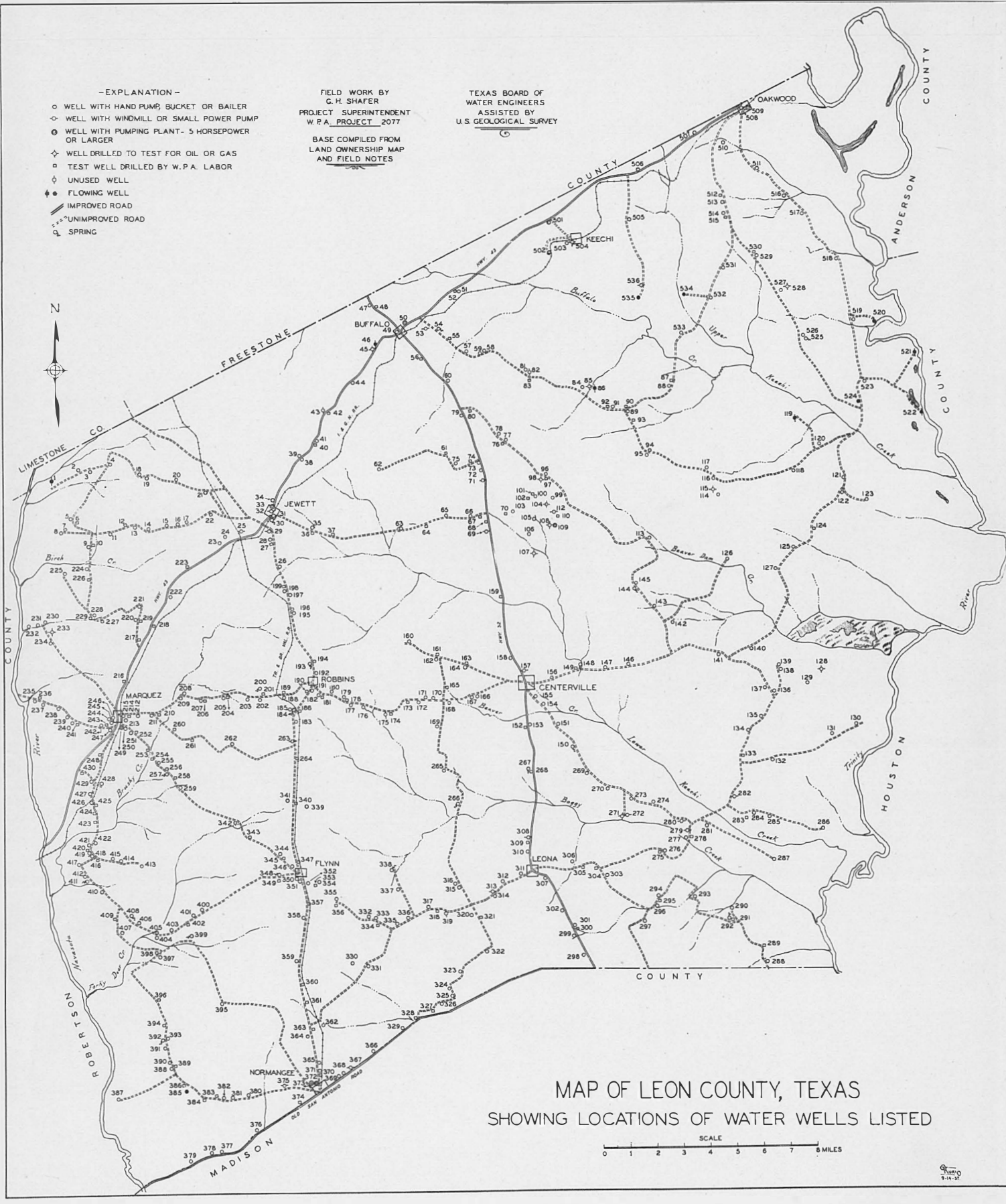
a/ Sulfate less than 10 parts per million.

- EXPLANATION -
- WELL WITH HAND PUMP, BUCKET OR BAILER
  - ◇ WELL WITH WINDMILL OR SMALL POWER PUMP
  - ⊙ WELL WITH PUMPING PLANT - 5 HORSEPOWER OR LARGER
  - ◇ WELL DRILLED TO TEST FOR OIL OR GAS
  - TEST WELL DRILLED BY W.P.A. LABOR
  - ◇ UNUSED WELL
  - ◆ FLOWING WELL
  - IMPROVED ROAD
  - - - UNIMPROVED ROAD
  - Q SPRING

FIELD WORK BY  
G. H. SHAFER  
PROJECT SUPERINTENDENT  
W. P. A. PROJECT 2077

BASE COMPILED FROM  
LAND OWNERSHIP MAP  
AND FIELD NOTES

TEXAS BOARD OF  
WATER ENGINEERS  
ASSISTED BY  
U.S. GEOLOGICAL SURVEY



MAP OF LEON COUNTY, TEXAS  
SHOWING LOCATIONS OF WATER WELLS LISTED

SCALE  
0 1 2 3 4 5 6 7 8 MILES

Geo  
1-1-32