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BURLESON COUNTY, TEXAS

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

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WORKS PROGRESS ADMINISTRATION

GROUND WATER SURVEY

PROJECT 3763

W. I. Clark  
Project Superintendent

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Analyses made, map prepared, data  
assembled, and report mimeographed by

WORKS PROGRESS ADMINISTRATION

PROJECT 6507-5112

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

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Austin, Texas  
August 25, 1937.

BURLESON 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 and the quantity and quality of water they yield, and put down test holes where additional information was needed.

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

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

The field work in Burleson County was started on September 1, 1936, and completed February 1, 1937. This work was done as Project 3763 of District 9 of the Works Progress Administration, Austin, Texas. W. I. Clark, an engineer, was project superintendent. Mr. Clark should be given credit for his great interest in the work and for the many extra hours he spent on the project. The office of the Works Progress Administration in the Austin District made this possible by their constant help and cooperation.

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

Records of wells and springs in Burleson County, Texas  
(All wells are bored or drilled unless otherwise noted in "Remarks" column.)

No.	Distance from Caldwell	Survey	Owner	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
d/ 1	14½ miles north	H. E. Davis	J. P. Sparks Est.	Gentle slope	1930	900	--	--
2	do.	do.	J. W. Porter	do.	1931	950	10	-- --
3	14 miles north	do.	do.	Creek bank	--	Spring--		--
4	do.	do.	Jackson Griggs	do.	--	do.	--	--
5	14 miles northeast	J. C. Robertson	Aetna Life Ins. Co.	Gentle slope	1910	700	4	--
6	14 miles north	H. E. Davis	Jackson Griggs	do.	1920	34	30	3
8	13 miles north	J. C. Robertson	Federal Land Bank	do.	--	52	30	2
9	13 miles northeast	do.	Lizzie Porter	Flat	--	40	10	3
10	12½ miles northeast	John Teal	H. Heines	Gentle slope	--	500	3	--
11	11½ miles northeast	do.	F. K. Hornsbury	do.	1932	50	6	1
12	11 miles northeast	do.	Burleson County	Sand bank	--	Spring--		-- --
13	13 miles north	C. M. Mathews	Jim Stubbs	Gentle slope	1935	16	30	0.5
15	12 miles north	I. Maiden	Annie M. Jennings	Small knoll	1875	58	30	3
16	do.	C. M. Mathews	Cecil Porter	Draw	--	Spring--		-- --
17	11½ miles north	do.	do.	do.	--	do.	--	-- --
18	do.	J. A. Sorrell	V. J. Sparks	Ridge top	1917	15	30	2
19	11 miles north	--	Ciles McDermott	Draw	--	Spring--		-- --
20	10½ miles north	--	C. A. McDermott	do.	--	do.	--	-- --
23	10 miles north	C. M. Mathews	Federal Land Bank	Small ridge	--	20	36	3
24	9 miles north	H. Covington	C. A. Baines	do.	--	54	30	3
25	10 miles north	J. McCune	J. P. Keller	Gentle slope	1930	66	30	3

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

b/ A, air lift; B, bucket; C, cylinder; Cf, centrifugal; T, turbine; D, diesel engine; E, electric; G, gasoline engine; H, hand; W, windmill; number indicates horsepower.

Records obtained by W. I. Clark, Jr., Project Superintendent  
(Chemical analyses of water from these wells and springs are in the table of analyses.)

No.	Water Level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Remarks
	Depth below measuring point (feet)	Date of measurement			
1	--	--	None	N	Oil test. 84 feet 2-inch casing at top. See log.
2	Flows	Nov. 27, 1936	None	D,S	10-inch steel casing, 0-50 feet. Tenant reported water in fine gray sand and never fails in drought. 2-inch pipe plugged into casing at top. Drilled by Joe
3	do.	do.	None	S	Estimated flow, 2 gallons a minute from 2 openings in gray silty sand. <u>Marks.</u>
4	do.	do.	None	S	Estimated flow, 3 gallons a minute from 3 openings in silty clay and gravel.
5	do.	<u>c/</u>	None	D,S	Steel casing. Tenant reported water in fine sand. Estimated flow, 2 gallons a minute.
6	35.5	Nov. 27, 1936	B,H	D	Dug well. Vitrified tile curb; tile casing, top to bottom. Owner reported never fails in drought.
8	50.3	Sept. 21, 1936	B,H	D	Dug well. Brick curb; brick casing, top to bottom. Tenant reported water in gravel. Weak supply.
9	41.3	do.	B,H	D,S	45 feet 10-inch galvanized iron curb and casing. Tenant reported water in red gravelly sand. Reported weak supply but never fails in drought.
10	Flows	do.	None	D,S	500 feet steel casing; screen at bottom. Estimated flow, 1 gallon a minute. Tenant reported never fails.
11	40	<u>c/</u>	C,H	D,S	50 feet 6-inch galvanized iron curb and casing. Estimated yield, 1 gallon a minute. Neighbor reported never
12	Flows	Sept. 21, 1936	None	D,S	Estimated flow, 2 gallons a minute from white sand. Reported never fails in drought. Known <u>er fails.</u>
13	13.0	Sept. 1, 1936	B,H	D,S	Dug well. Brick curb; brick casing, top to bottom. Neighbor reported water in fine tan sand and never fails in drought. <u>locally as Tipton Spring.</u>
15	18.8	do.	B,H	D,S	Dug well. Wood curb; rock casing. Neighbor reported water in sandstone and never fails in drought.
16	Flows	Dec. 15, 1936	None	S	Estimated flow, 10 gallons a minute from numerous openings in brown sand, veined with lignite.
17	do.	Sept. 1, 1936	None	D,S	Improved with 1 joint of tile. Strong supply.
18	10.5	do.	B,H	D,S	Dug well. Wood curb; 17 feet brick casing. Owner reported water in fine yellow sand and never fails in
19	Flows	Dec. 15, 1936	None	S	Estimated flow, 2 gallons a minute from several openings in mottled light-brown sand. Stronger flow reported in rainy weather. <u>drought.</u>
20	do.	do.	None	S	Reported uniform flow, 5 gallons a minute from numerous openings in white sand. Improved with vitrified tile. Reported never fails in drought. Known locally
23	19.5	Sept. 1, 1936	B,H	D,S	Dug well, 0-20 feet; wood curb and casing. Bored well at bottom. Tenant reported water in sand at 20 feet and from bored hole. Bails dry after 2 barrels. Reported never fails in drought. <u>as Mensa Spring.</u>
24	49.9	Nov. 2, 1936	B,H	D,S	Dug well. Concrete curb; concrete casing, top to bottom. Neighbor reported water in fine sand and never
25	65.7	Sept. 2, 1936	B,H	--	Dug well. Wood curb; stone casing, top to bottom. Owner reported water in soapstone and sandy shale and never fails in drought. <u>fails in drought.</u>

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

d/ No water sample collected for analysis.

c/ Water level reported.

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

No.	Distance	Survey	Owner	Topo- graphic situa- tion	Date com- ple- ted	Depth of well (ft.)	Diam- eter of well (in.)	Height of measuring point above ground (ft.) a/
26	9 miles north	J. McCune	R. M. Moorman	Gentle slope	1933	42	30	3
27	8 miles north	J. Hughes	Jim Woodson	do.	1935	37	30	2
28	do.	--	Ed. Williams Estate	Knoll top	1934	62	36	2
29	8 miles northeast	W. Roach	Wm. Havarsak	Creek valley	--	16	30	2
30	7 miles north	do.	Mary Teal	do.	1920	24	8	2
31	7 miles northeast	A. Culling	Joe Gibson	Draw	--	Spring	--	--
33	6½ miles northeast	R. W. Scott	Woodson Lumber Co.	Gentle slope	1925	77	8	2
34	8 miles northeast	F. Niebling	J. I. Lightsey	Ridge top	1912	36	30	2
35	6½ miles northeast	A. Kuykendall	A. G. Hoack	Knoll top	--	38	36	2
36	5½ miles northeast	J. Reed	Joe J. Mikeska	Ridge top	1929	52	30	3
37	4 miles northeast	do.	Frank Kubin	do.	1913	124	10	1
38	2¾ miles northeast	Jas. Hall	D. J. Hancock	Hilltop	1930	315	6	1
39	2¼ miles northeast	Francisco Ruiz	Alan Bowers	Gentle slope	1923	23	48	1
40	2¼ miles north	do.	John Ernstik	Ridge top	--	37	30	3
41	1¾ miles north	do.	Alan Bowers	Creek valley	--	15	36	1
42	¾ mile northeast	F. Smith	City of Caldwell	Valley flat	1935	160	10	--
43	do.	do.	do.	do.	--	300	10	--
44	¾ mile north	Francisco Ruiz	J. E. Porter	Creek valley	--	16	30	3
47	1¼ miles north	F. Smith	Joe Souruick	do.	--	Spring	--	--

## W. I. Clark, Jr., 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			
26	33.0	Sept. 2, 1936	B,H	D,S	Dug well. Wood curb; brick casing, 0-6 feet; rock casing, 6-45 feet. Owner reported water in green sand and in yellow sandy clay; never fails in drought.
27	19.3	do.	B,H	S	Dug well. Concrete curb; concrete casing, top to bottom. Tenant reported water in white sand; never fails in drought.
28	40.6	Oct. 21, 1936	B,H	S	Dug well. Wood curb; wood casing, top to bottom. Tenant reported water in fine gray sand; never fails in drought. Reported strong supply.
29	14.4	Sept. 21, 1936	B,H	S	Dug well. Wood curb; brick casing, top to bottom. Owner reported water in white sandy gravel and never fails in drought.
30	16.2	Nov. 2, 1936	B,H	S	Vitrified tile curb; tile casing, top to bottom. Tenant reported water in dark green sand; never fails in drought.
31	Flows	Nov. 18, 1936	None	S	Estimated flow, 30 gallons a minute from numerous openings in sandstone and iron ore gravel. Reported stronger flow in rainy weather. Known locally as
33	71.2	Nov. 2, 1936	B,H	S	Vitrified tile curb; tile casing, top to bottom. Tenant reported water in blue shale and red gravel and never fails in drought.
34	23	Sept. 23, 1936	C,W	D,S	Dug well. Vitrified tile curb; tile casing top to bottom. Owner reported water in fine tan sand; never fails in drought. Reported slight drawdown by
35	21.0	Sept. 21, 1936	B,H	D,S	Dug well. Wood curb; rock casing, top to bottom. Owner reported water in blue sand and failed
36	32.2	do.	B,H	D,S	Dug well. Wood curb; tile casing, top to bottom. Owner reported water in blue sand and never fails in drought.
37	30	do.	C,W	D,S	Tile curb; tile casing, top to bottom. Owner reported water in blue quicksand and never fails in drought. Reported slight drawdown by windmill.
38	30.0	Sept. 19, 1936	C,W	D,S	Concrete curb; 315 feet steel casing, with screen at bottom. Tenant reported water in sand and never fails
39	16.2	Sept. 13, 1936	B,H	D,S	Dug well. Brick curb; brick casing top to bottom. Water reported in black sand and never fails in drought.
40	24.5	Sept. 19, 1936	B,H	S	Dug well. Brick curb; brick casing, top to bottom. Owner reported water in sand and never fails in drought.
41	8.6	Sept. 18, 1936	B,H	D,S	Dug well. Brick curb; brick casing top to bottom. Tenant reported water in sand and never fails in drought.
42	Flows	Sept. 25, 1936	T,E, 7½	P, Ind	Steel casing, 0-12½ feet. Estimated flow, 40 gallons a minute, 5 feet above ground. Reported 14 feet drawdown pumping 200 gallons a minute. Attendant reported water in fine gray sand and never fails in drought. Temperature 73°F. Drilled by
43	do.	do.	T,E,-	P	Steel casing, top to bottom. Estimated flow, 40 gallons a minute, 5 feet above ground. Reported yield 200 gallons a minute when pumping. Attendant reported water in fine gray sand and never fails in drought. Temperature, 73°F. Drilled by L. Kiel.
44	13.5	Oct. 8, 1936	B,H	S	Dug well. Wood curb; brick casing, top to bottom. Neighbor reported water in iron ore gravel and fails dry; never fails in drought.
47	Flows	Oct. 6, 1936	None	N	Wood curb. Estimated flow, 3 gallons a minute from 3 openings in white sand. Known locally as Evans Spring.

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

No.	Distance from Caldwell	Survey	Owner	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
48	1 $\frac{1}{4}$ miles northwest	Francisco Ruiz	Otto Berndt	Hill-top	1936	45	8	1
54	2 $\frac{1}{2}$ miles northwest	do.	R. Struve	--	-- Spring	--	--	--
55	3 $\frac{1}{4}$ miles northwest	--	Peter Womack	Gentle slope	--	24	30	0
56	2 $\frac{3}{4}$ miles north	Francisco Ruiz	Frank Hekalopka	do.	1933	32	8	1
57	3 $\frac{1}{4}$ miles north	do.	do.	Draw	-- Spring	--	--	--
58	4 miles north	H. J. Dobie	Rebecca Price	Knoll top	--	30	30	2
60	3 $\frac{1}{2}$ miles north	J. W. Marion	Henry Jackson	Valley flat	1935	22	30	3
61	5 miles north	do.	J. Lonzo	Draw	-- Spring	--	--	--
62	5 $\frac{1}{2}$ miles north	--	B. Risse	Sand-hill	--	do.	--	--
63	5 miles north	J. W. Marion	D. F. Delameter	Draw	--	do.	--	--
64	do.	--	do.	do.	--	do.	--	--
65	5 $\frac{1}{2}$ miles north	Mary Carnaghan	Caldwell Fishing Club	Valley	1924	227	2	--
66	do.	do.	do.	Hilltop	--	27	30	3
67	6 $\frac{1}{2}$ miles north	do.	Edgar Simpson	Ridge top	1934	9	30	3
68	7 $\frac{1}{2}$ miles northwest	A. Thompson	G. I. Perkins	Draw	-- Spring	--	--	--
70	8 miles northwest	do.	J. P. Winkler	Gentle slope	1917	17	30	1
71	9 miles northwest	do.	A. R. Richardson	do.	1926	58	10	1
74	7 $\frac{1}{2}$ miles northwest	D. Clanton	Hattie Greer	do.	--	27	30	3
75	7 miles northwest	Jose M. Sanches	L. G. Kornogay	do.	1910	90	10	1
76	6 $\frac{1}{2}$ miles northwest	A. Thompson	Joe Adamck	do.	--	48	30	1
d/ 77	6 miles northwest	Jose M. Sanches	-- Speckman	do.	1923	1,700	--	--
78	5 $\frac{1}{2}$ miles northwest	do.	L. H. Guick	Slope	--	49	36	0

## W. L. Clark, Jr., Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
48	30.5	Nov. 13, 1936	B,H	D	Vitrified tile curb; tile casing, top to bottom. Owner reported water in fine tan sand and never fails in
54	Flows	Oct. 26, 1936	None	--	Located east of road. <u>drought.</u>
55	22.1	Sept. 12, 1936	B,H	D	Dug well. Brick curb; brick casing, top to bottom. Tenant reported water in fine white sand and never fails
56	12.5	Sept. 19, 1936	B,H	D,S	Tile curb; tile casing, top to bottom. <u>in drought.</u> Owner reported water in dark gray sand and never fails
57	Flows	do.	None	S	Strong flow from numerous openings in yellow shaly sand. <u>in drought.</u>
58	26.4	Oct. 21, 1936	B,H	D,S	Dug well. Vitrified tile curb; tile casing, top to bottom. Tenant reported water in fine sand and never
60	17.8	Sept. 2, 1936	B,H	D,S	Dug well. Wood curb; brick casing, <u>fails in drought.</u> top to bottom. Owner reported water in white sandstone
61	Flows	Jan. 4, 1937	None	S	Reported uniform flow of <u>and never fails in drought.</u> 2 gallons a minute from opening in hard, fine, brownish-white sand. Known locally as Denton Valley Spring. Numerous springs in this locality.
62	do.	do.	None	S	Estimated flow, 1 gallon a minute from several openings in fine white sand. Stronger flow reported in rainy
63	do.	Oct. 21, 1936	None	S	Estimated flow, 15 gallons a minute from <u>seasons.</u> numerous openings in white sand. Reported heavier flow.
64	do.	do.	None	S	Estimated flow, 30 gallons a minute <u>in rainy seasons.</u> from numerous openings in sand. Reported heavier flow
65	do.	do.	None	D,S	40 feet 2-inch iron casing. Estimated flow, 2 gallons a minute. Neighbor reported water in fine blue sand; <u>never fails in drought.</u> Temperature, 73°F.
66	20.4	do.	B,H	D,S	Dug well. Vitrified tile curb; tile casing, top to bottom. Neighbor reported water in fine sand. Reported bails down but never fails in drought.
67	10.9	do.	B,H	D	Dug well. Concrete curb; concrete casing, top to bottom. Tenant reported water in fine gray sand and fails
68	Flows	Sept. 16, 1936	None	S	Estimated flow, 3 gallons a minute from <u>in drought.</u> several openings in light sand.
70	13.8	Sept. 11, 1936	B,H	D,S	Dug well. Tile curb; tile casing, top to bottom. Tenant reported water in fine gray quicksand and never fails in drought. Slight draw-down when bailed.
71	55.2	Sept. 2, 1926	B,H	D,S	Tile curb and 58 feet tile casing. Owner reported water in yellow quicksand and never fails in drought. Reported dry after bailing 2 barrels but refills quickly.
74	26.0	Sept. 4, 1936	B,H	D	Dug well. Wood curb; brick casing, top to bottom. <u>ly.</u> Owner reported strong supply in white sand and never
75	45.0	do.	C,H	D	Vitrified tile curb; 90 feet 10-inch <u>fails in drought.</u> steel casing, perforated at bottom. Owner reported strong supply from fine white sand and never fails in
76	20	e/	C,H	D,S	Dug well. Brick curb; concrete and brick <u>drought.</u> casing, top to bottom. Tenant reported water in fine sand and never fails in drought.
77	--	--	None	N	Oil test. Neighbor reported water encountered in sands for several hundred feet. Drilled by --Gilley.
78	23.7	Sept. 11, 1936	B,H	D,S	Dug well. Brick curb; brick casing, top to bottom. Tenant reported strong supply from fine green quicksand and never fails in drought. Small springs and several similar wells nearby.



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

No.	Distance from Caldwell	Survey	Owner	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
80	9 miles northwest	H. H. Goff	Baskin School	Sand flat	--	40	10	--
81	do.	J. C. Meek	S. M. Segler	Creek valley	1934	23	30	2
82	11 miles northwest	J. Shaw	Mrs. F. A. Mauldin	Knoll top	1916	29	--	2
83	11½ miles northwest	H. Martin	D. H. Hornsby	Ridge top	1924	18	30	2
<u>d/</u> 84	12 miles west	E. Sante	Redbank Oil Co.	do.	1936	--	--	--
<u>d/</u> 85	11 miles west	W. C. Pierce	Q. V. Crain	Gentle slope	1935	6,337	--	--
86	14 miles west	J. C. Walker	C. R. Sprose	do.	1919	21	30	2
87	12½ miles west	do.	J. E. Dyer	do.	1933	31	30	3
88	10½ miles west	A. Smith	F. A. Willard	do.	1935	16	30	3
89	8½ miles west	E. Hill	Webb Price	do.	1916	42	30	3
90	do.	S. C. Robertson	K. C. Ryan	Gentle slope	--	48	30	0
91	7½ miles west	do.	C. S. Perry	do.	--	27	8	2
92	do.	do.	P. R. Odstricil	Knoll top	--	35	30	2
93	do.	do.	Pete Odstricil	Gentle slope	--	30	30	2
94	do.	do.	V. D. Floyd	Small ridge	1920	48	30	1
95	7 miles west	do.	-- Johnson	Gentle slope	--	27	36	3
97	7½ miles west	do.	L. R. Buffington	do.	--	38	30	3
98	7 miles northwest	do.	Jos. Janicek	do.	--	36	36	3
99	5 miles northwest	Jose M. Sanchez	Mrs. A. B. James	Ridge	1911	30	8	3
100	4½ miles northwest	J. B. McKeon	R. S. Bowers	Draw	--	Spring	--	--
101	do.	do.	do.	do.	--	do.	--	--

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

b/ A, air lift; B, bucket; C, cylinder; Cf, centrifugal; T, turbine; D, diesel engine; E, electric; G, gasoline engine; H, hand; W, windmill; number indicates horsepower.

W. I. Clark, Jr., Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
80	--	--	C,H	D	Concrete block curb. Screen at bottom. Reported strong supply from white sand; never fails in drought.
81	19.8	Sept. 4, 1936	B,H	S	Dug well. Concrete curb; concrete casing, top to bottom. Owner reported water in fine white sand and never fails in drought.
82	25.2	do.	B,H	D,S	Dug well. Concrete curb. Owner reported water in fine white sand and never fails in drought.
83	9.3	do.	B,H	D,S	Dug well. Concrete curb; concrete casing, top to bottom. Owner reported water in red sand and gravel and never fails in drought.
84	--	--	--	--	Oil test. Depth, Sept. 4, 1936, 4,500 feet. Not completed. Drilled by Coffield and Laning.
85	--	--	--	--	Oil Test. 200 feet 15 $\frac{1}{4}$ -inch casing; 2,735 feet 10 $\frac{1}{4}$ -inch casing. See log.
86	13.3	Oct. 15, 1936	B,H	D,S	Dug well. Wood curb; wood casing, top to bottom. Owner reported water in fine white sand and bails dry but never fails in drought.
87	30.1	Sept. 3, 1936	B,H	D,S	Dug well. Wood curb; concrete casing. Tenant reported water in fine sand and never fails in drought.
88	16.0	do.	B,H	D,S	Dug well. Concrete curb; concrete casing, top to bottom. Owner reported water in fine white sand and never fails in drought.
89	32	Sept. 22, 1936	B,H	D,S	Dug well. Wood curb; 16 feet brick casing at top. Owner reported strong supply from shell rock, 40-52 feet.
90	32.6	Sept. 3, 1936	B,H	D,S	Dug well. Brick curb; brick casing, top to bottom. Owner reported water in sand and never fails in drought.
91	22.1	Oct. 9, 1936	B,H	D,S	Vitrified tile curb; tile casing, top to bottom. Tenant reported water in fine sand and never fails in drought.
92	30.5	Sept. 3, 1936	B,H	D	Dug well. Brick and concrete curb; brick casing, top to bottom. Owner reported water in yellow sand and never fails in drought.
93	23.4	Oct. 9, 1936	C,I	D,S	Dug well. Brick curb; brick casing, top to bottom. Owner reported strong supply from white sand.
94	44.9	Sept. 3, 1936	B,H	D,S	Dug well. Brick curb; brick casing, top to bottom. Owner reported water in fine white sand and never fails in drought.
95	15.7	Sept. 15, 1936	B,H	D,S	Dug well. Wood curb; 8 feet rock casing at top. Tenant reported water in sand and never fails in drought.
97	31.0	Oct. 9, 1936	B,H	D,S	Dug well. Concrete curb; brick casing, top to bottom. Owner reported water in fine tan sand and never fails in drought.
98	27.5	Sept. 15, 1936	B,H	D,S	Dug well. Brick curb; 8 feet brick casing at top. Open bottom. Water reported in fine white sand and never fails in drought.
99	11.4	Oct. 9, 1936	B,H	D,S	Vitrified tile curb; tile casing, top to bottom. Tenant reported water in fine tan quicksand and never fails in drought.
100	Flows	do.	Non.	D,S	Estimated flow, 15 gallons a minute from numerous openings in fine tan sand. Improved with 1 joint 30-inch vitrified tile. Reported stronger flow in rainy weather.
101	do.	do.	Non.	--	Estimated flow, 20 gallons a minute from numerous openings in white sand. Supplies swimming pool. Reported stronger flow in rainy weather. Known locally as Spring, Lake Spring.

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

d/ No water sample collected for analysis.

e/ Water level reported.

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

No.	Distance from Caldwell	Survey	Owner	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
102	4 $\frac{1}{2}$ miles northwest	I. & G. N. R. R. Co.	J. R. Bent	Ridge top	--	85	30	0
103	do.	J. Wilcox	Walter Koehler	Draw	-- Spring		--	--
105	6 miles west	--	Ethel Henslee	Ridge slope	1928	39	36	1
106	9 miles west	E. Hill	H. M. McMillan	Gentle slope	1936	36	36	2
107	8 miles west	C. B. Erath	Vince Urban	do.	--	25	30	0
108	7 miles west	S. E. Robertson	Mose Pierce	Draw	-- Spring		--	--
110	5 $\frac{1}{2}$ miles west	J. W. Porter	Henry Townsend	Gentle slope	1936	46	30	2
111	4 $\frac{3}{4}$ miles southwest	do.	C. C. Nelms	Hilltop	--	47	30	3
113	1 $\frac{1}{4}$ miles southwest	E. Swearingen	J. C. Windell	Gentle slope	1933	92	8	1
114	1 $\frac{1}{4}$ miles southwest	S. Dickenson	Joe Weiss	Valley	1935	20	8	2
115	In Caldwell	do.	G. C. & S. F. Ry	Gentle slope	1936	351	5	1
120	1 mile southeast	do.	J. R. Simpson	Ridge top	1935	18	30	1
121	do.	do.	L. B. Dowell	do.	1935	19	8	0.5
122	1 $\frac{1}{4}$ miles southeast	do.	A. S. Broadas	Hillside	-- Spring		--	--
123	2 miles southeast	do.	Gordon Shanklen	Ridge top	--	12	30	4
125	1 $\frac{1}{2}$ miles south	do.	C. Cromady	Creek valley	1926	32	36	1
126	2 $\frac{3}{4}$ miles south	E. Swearingen	J. Janacek	Gentle slope	--	49	30	3
127	3 $\frac{1}{4}$ miles southwest	do.	A. C. Windell	do.	1933	79	8	1
128	4 $\frac{1}{2}$ miles southwest	D. Clark	John Pivonka	Ridge top	1922	270	4	0
129	6 $\frac{1}{2}$ miles southwest	J. Reed	J. J. Jurcak	Gentle slope	1915	58	8	0

## W. I. Clark, Jr., Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
102	55.0	Sept. 12, 1936	B, H	D, S	Dug well. Brick curb; brick casing, top to bottom. Tenant reported water in fine white sand and never
103	Flows	Aug. 26, 1936	None	S	Reported uniform flow of 50 gallons a minute from numerous openings in white sand. <u>fails in drought.</u>
105	32.7	Sept. 12, 1936	C, H	D, S	Dug well. Brick curb; 39 feet brick casing. Owner reported water in fine white sand and never <u>fails in</u>
106	35.4	Sept. 22, 1936	B, H	D	Dug well. Log curb; 2 feet log casing at top. Owner reported water in packed sand and never <u>drought.</u>
107	21.8	Nov. 16, 1936	B, H	D	Dug well. Rock curb; rock casing, top to bottom. Owner reported water in yellow sandstone and never <u>fails in drought.</u>
108	Flows	Sept. 22, 1936	None	D, S	Reported uniform flow of 3 gallons a minute from 3 openings in white sand. Improved with road box and 3-inch tile. Known locally as Liberty Spring.
110	37.1	Oct. 10, 1936	B, H	D, S	Dug well. Wood curb; 14 feet wood casing; 38 feet concrete casing, open at bottom. Owner reported water in black sand and never <u>fails in drought.</u>
111	44.3	do.	B, H	D, S	Dug well. Wood curb, brick casing, top to bottom. Tenant reported strong supply from fine tan sand and
113	58.0	Sept. 25, 1936	C, 7	D, S	Vitrified tile curb; 92 feet tile casing. Owner reported water in fine grayish-blue sand and never <u>fails in drought.</u> Reported slight draw-
114	8.0	Oct. 8, 1936	B, H	D, S	Vitrified tile curb; tile casing, top to bottom. Owner reported water in red iron ore gravel and boils dry but never <u>fails in</u> <u>down after pumping 50 barrels.</u>
115	30	e/	A, D, 37 1/2	Ind	Steel curb; 215 feet 10-inch steel casing; 271 feet 5-inch steel casing; 80 feet 5-inch screen at bottom. Pumper reported water level 80 feet when pumping 200 gallons a minute from fine gray sand. Drilled by
120	12.5	Dec. 4, 1936	C, E, -	D	Dug well. Concrete curb; 18 feet concrete casing. Owner reported water in fine tan sand and lowers in drought. <u>Layne-Texas Co.</u>
121	8.5	do.	C, E, 1/4	D	Dug well. Vitrified tile curb; 19 feet tile casing. Owner reported water in fine tan sand and lowers in
122	Flows	Dec. 7, 1936	None	S	Estimated flow, 1 gallon a minute from opening in sand on east slope of hill. Box curb. <u>drought.</u>
123	13.5	Oct. 14, 1936	B, H	D, S	Dug well. Concrete curb; concrete casing, top to bottom. Owner reported water in fine tan sand and never
125	9.1	Nov. 6, 1936	B, H	D, S	Dug well. Brick curb; brick casing, top to bottom. Tenant reported strong supply from fine sand and never <u>fails in drought.</u>
126	14.3	Oct. 1, 1936	B, H	D, S	Dug well. Wood curb; 51 feet brick casing. Owner reported water in fine, sandy, iron ore gravel and never
127	37.0	do.	B, H, & C, W	D, S	Vitrified tile curb; 79 feet tile casing. Tenant reported strong supply from fine white sand and never <u>fails in drought.</u>
128	46	e/	C, H	D, S	Concrete curb; steel casing, top to bottom. Screened at bottom. Owner reported strong supply from gray quicksand and never <u>fails in drought.</u>
129	16	e/	C, G, 2	D, S	Vitrified tile curb; tile casing, top to bottom. Owner reported slight drawdown after pumping 12 barrels a day from fine gray quicksand. Reported never <u>fails in</u> <u>drought.</u>

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

No.	Distance from Caldwell	Survey	Owner	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
133	8 $\frac{1}{2}$ miles west	--	J. J. Holik	Gentle slope	--	50	36	3
134	10 miles west	E. Tatum	M. E. Brymer	do.	1911	50	10	2
135	10 $\frac{1}{2}$ miles southwest	H. McKeen	Chas. Adamwate	Hilltop	--	25	30	2
136	10 miles southwest	do.	Sunnyside School	do.	1925	28	8	0
137	10 $\frac{1}{2}$ miles southwest	H. Griffith	S. C. Blahah	Gentle slope	--	66	8	0
139	10 miles southwest	--	John Harrison	do.	--	29	30	2
141	9 miles southwest	E. M. Cox	Henry Mitchell	do.	1918	80	10	2
142	10 miles southwest	H. McKeen	Olivia Parker	Hillside	--	55	30	2
143	do.	do.	Rufe Coleman	Draw	-- Spring	--	--	--
144	10 $\frac{1}{2}$ miles southwest	do.	-- Karnes	Gentle slope	--	25	--	1
145	10 miles southwest	do.	Rufus Coleman	do.	1936	30	--	0
146	do.	E. M. Cox	Dick Fisher	Hilltop	--	21	8	1
147	9 miles southwest	do.	Frank Krall	Gentle slope	1932	33	8	1
148	9 $\frac{1}{2}$ miles southwest	do.	John M. Paukert	Ridge top	1926	59	8	2
149	do.	S. F. Austin	Hugo Doerr	Hilltop	1906	108	8	1
150	9 $\frac{1}{2}$ miles south	do.	Mrs. C. Kocurec	do.	--	56	36	1
151	10 miles south	do.	Mrs. L. N. Dear	Gentle slope	--	37	8	1
152	10 $\frac{1}{2}$ miles south	D. Perry	H. A. Benn	do.	--	54	8	1
153	11 miles south	do.	R. O. Flippin	do.	--	88	8	1
d/154	10 miles south	do.	O. Brinkman	do.	1925	1,100	--	--
155	9 $\frac{1}{2}$ miles south	Ann Bass	Jim Harvey	Hilltop	--	108	8	0.5
156	do.	do.	Otto Meier	Gentle slope	1911	61	8	1
157	9 miles south	M. B. Lawrence	John Machousky	Ridge top	1916	34	30	1
d/158	3 $\frac{1}{2}$ miles south	do.	A. K. Polansky	Gentle slope	1953	3,200	--	--

## W. I. Clark, Jr., Project Superintendent

No.	Water Level		Pump and power	Use of water	Remarks
	Depth below measuring point (feet)	Date of measurement			
133	34.2	Oct. 15, 1936	E,H	S	Dug well. Wood curb; rock casing, top to bottom. Owner reported water in fine sand and never fails in drought.
134	16.5	Sept. 22, 1936	B,H	D,S	Dug well. Vitriified tile curb; 51 feet tile casing. Owner reported strong supply from gravelly sand and
135	19.4	Nov. 16, 1936	E,H	D,S	Dug well. Vitriified tile curb; never fails in drought. Tile casing, top to bottom. Tenant reported water in porous yellow rock and never fails in drought.
136	13.1	do.	B,H	D	Vitriified tile curb; tile casing top to bottom. Neighbor reported water in white sand and never fails in
137	25.4	do.	B,H	D,S	Vitriified tile curb; tile casing, top to bottom. Owner reported strong supply from fine sand and
139	23.3	Oct. 12, 1936	B,H	D,S	Dug well. Wood curb; loose rock casing, top to bottom. Owner reported water in fine sand and never fails in drought.
141	42.3	Sept. 22, 1936	B,H	D,S	Dug well. Vitriified tile curb; 80 feet tile casing. Owner reported water in sand and never fails in drought.
142	51.8	Oct. 12, 1936	B,H	D,S	Dug well. Wood curb; loose rock casing, top to bottom. Owner reported water in fine tan sand and never fails in drought. <u>Drilled by Henry Clemons.</u>
143	Flows	do.	None	S	Estimated flow, 2 gallons a minute from numerous openings in sandstone veirs. Known locally as <u>Copperas Springs.</u>
144	21.8	do.	B,H	D,S	Dug well. Rock curb; rock casing, top to bottom. Owner reported strong supply from white sand
145	28.0	do.	B,H	D,S	Dug well. Rock curb; rock casing, top to bottom. Owner reported water in soft
146	18.0	do.	B,H	D	Vitriified tile curb; tile casing, top to bottom. Neighbor report & water in white sand. <u>sandstone.</u>
147	30.2	Oct. 15, 1936	B,H	S	Vitriified tile curb; 33 feet tile casing. Owner reported water in fine sand and never fails in drought.
148	31.5	do.	B,H	D,S	Vitriified tile curb; tile casing, top to bottom. Neighbor reported water in blue sand and never fails in
149	39.9	Nov. 12, 1936	B,H	D,S	Vitriified tile curb; 108 feet tile casing. Neighbor reported strong supply from fine sand and
150	47.1	do.	B,H	D,S	Dug well. Masonry curb; 56 feet sand masonry casing. Tenant reported water in fine dark sand and nearly boils dry in 6 hours but
151	33.4	do.	B,H	D	Vitriified tile curb; 27 feet tile casing. Neighbor reported water in fine blue sand
152	50.1	do.	B,H	D,S	Vitriified tile curb; tile casing, top to bottom. Tenant reported water in blue sand and never fails in drought. <u>and never fails in drought.</u>
153	73.4	do.	B,H	D	Vitriified tile curb; tile casing, top to bottom. Owner reported weak supply from fine gray sand but never
154	--	--	--	--	Oil test. Known as H. L. Griffin No. 1. <u>fails in drought.</u>
155	65	e/	C,H	D,S	108 feet vitriified tile casing. Tenant reported water in fine sand and never fails in drought.
156	52.1	Dec. 11, 1936	E,H	S	Vitriified tile curb; tile casing, top to bottom. Owner reported water in dark gray sand and never fails in
157	33.4	Sept. 24, 1936	B,H	D,S	Dug well. Vitriified tile curb; tile casing, top to bottom. Owner reported water in quicksand and
158	--	--	--	--	Oil test. See log. Neighbor reported water flowed to surface from blue sand at 1100 feet. Known as Poorboy Oil Co., A. K. Polansky No. 1. <u>never fails in drought.</u>

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

No.	Distance from Caldwell	Survey	Owner	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
159	6 $\frac{1}{2}$ miles south	M. B. Lawrence	G. A. Walman	Gentle slope	1925	22	30	1
160	8 miles south	--	Gus H. Eberhardt	do.	1925	95	8	2
161	8 miles southwest	S. M. Williams	Gus Brinkman	do.	1923	420	4	0
162	do.	do.	Frank Kubelka	Slope	1925	130	8	2
163	7 miles southwest	do.	do.	Ridge	--	149	8	1
164	do.	E. Greenwood	Otto Helvig	Gentle slope	1920	630	4	1
165	7 miles south	do.	John Gerdas	do.	1912	165	8	1
166	6 $\frac{1}{2}$ miles south	do.	do.	do.	1900	94	8	1
167	6 miles south	do.	D. D. Aharns	Hilltop	1927	430	8	1
168	4 $\frac{3}{4}$ miles south	D. Clark	Martin Hlavaty	Flat	1919	277	4	--
169	3 miles south	E. Swearingen	--	Creek valley	1931	18	30	3
171	4 miles south	do.	W. A. Mercer	Gentle slope	1929	48	8	2
172	4 $\frac{3}{4}$ miles south	do.	Bethel Rogers	do.	1898	70	8	1
173	8 miles southeast	J. W. Bell	J. Hudac	Ridge top	--	82	8	2
174	7 $\frac{1}{2}$ miles southeast	do.	H. A. Duncan	Knoll top	1897	43	8	1
d/175	6 $\frac{1}{2}$ miles southeast	J. Bird	C. W. Young	Gentle slope	1927	1,850	--	--
176	6 miles southeast	do.	O. Windle	do.	1920	54	8	2
177	4 $\frac{3}{4}$ miles southeast	do.	Jess Garrett	do.	--	30	30	3
178	4 miles southeast	do.	Simpson Grocery Co.	do.	--	17	30	1

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

b/ A, air lift; B, bucket; C, cylinder; Cf, centrifugal; T, turbine; D, diesel engine; E, electric; G, gasoline engine; H, hand; W, windmill; number indicates horsepower.

## W. I. Clark, Jr., Project Superintendent

No.	Water Level		Pump and power	Use of water	Remarks
	Depth below measuring point (feet)	Date of measurement			
159	20.3	Nov. 6, 1936	B,H	D,S	Dug well. Vitrified tile curb; 24 feet tile casing. Tenant reported water in fine tan sand and bails dry
160	70.8	Dec. 11, 1936	B,H	D,S	Vitrified tile curb; 95 feet tile casing. Owner reported water in fine sand but never fails in drought.
161	60	e/	A,G, 12	P,S, Ind	420 feet 4-inch steel casing. Finished with 2-inch tubing. Slight drawdown when yielding 30 gallons a minute. Owner reported strong supply; never fails in drought.
162	Flows	Oct. 13, 1936	None	D,S	Vitrified tile curb and casing. Flows 2 gallons a minute from opening in casing 1 foot below ground and 3 feet below top of measuring point. Water reported in fine gray sand and never fails in drought.
163	12	c/	C,H	D,S	Vitrified tile curb; 149 feet tile casing. Owner reported strong supply in fine gray sand and never fails in drought. Drilled by Chas. Durvaskey.
164	30	e/	C,W	D,S	Steel curb; 630 feet steel casing. Owner reported strong supply in fine blue sand; never fails.
165	100	e/	C,W	--	Vitrified tile curb; 165 feet tile casing. Owner reported strong supply in fine blue sand and never fails in drought. Drilled by -- Barron.
166	38.7	Oct. 13, 1936	B,H	S	Vitrified tile curb; 101 feet tile casing. Owner reported water in fine blue sand, 80-101 feet, and never fails in drought. Drilled by Lewis Kuehl.
167	30	e/	C,W	D,S	Steel curb; 430 feet steel casing. Driller reported slight drawdown when pumping 100 gallons a minute from blue sand, 390-430 feet. Reported never fails in drought. Drilled by L. Kuehl. See log.
168	Flows	Oct. 1, 1936	None	D,S	Concrete curb; 277 feet 4-inch steel casing. Estimated flow, 1 gallon a minute, 2 feet above ground. Owner reported water in sand, 257-277 feet, and stronger flow in winter.
169	10.1	Nov. 6, 1936	B,H	D,S	Dug well. Concrete curb; vitrified tile casing top to bottom. Tenant reported water in dark sand and never fails in drought.
171	34.1	do.	B,H	N	Vitrified tile curb; tile casing, top to bottom. Owner reported water in fine dark sand and never fails in drought.
172	50.4	do.	B,H	D,S	Vitrified tile curb; tile casing, top to bottom. Tenant reported strong supply in blue sand and never fails in drought.
173	38.7	Oct. 14, 1936	B,H	D,S	Vitrified tile curb; tile casing, top to bottom. Tenant reported strong supply in dark gray sand and never fails in drought.
174	35.3	do.	B,H	D,S	Vitrified tile curb; tile casing, top to bottom. Owner reported water in dark sand and never fails in drought.
175	--	--	--	--	Oil test by Mid-Tex Petroleum Co. Neighbor reported water rises to surface.
176	21.1	do.	B,H	D,S	Vitrified tile curb; tile casing, top to bottom. Tenant reported strong supply in dark sand and never fails in drought.
177	22.0	Sept. 24, 1936	B,H	S	Dug well. Concrete curb; concrete casing, top to bottom. Tenant reported water in dark sand and never fails in drought.
178	13.5	Oct. 14, 1936	B,H	D,S	Dug well. Vitrified tile curb; tile casing, top to bottom. Tenant reported water in fine tan sand and never fails in drought.

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

d/ No water sample collected for analysis.

e/ Water level reported.



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

No.	Distance from Caldwell	Survey	Owner	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
179	3½ miles southeast	J. Bird	Simpson Grocery Co.	Slope	-- Spring	--	--	--
180	3¼ miles southeast	do.	do.	Gentle slope	--	56	8	1
182	3 miles east	Jas. Hall	Novack & Dubeak	Hilltop	1932	117	10	1
183	5 miles east	A. Blair	Walter Macat	Gentle slope	--	35	10	2
184	4½ miles east	F. Smith	W. F. Newcomb	do.	--	49	8	1
185	5 miles east	B. Hughes	Zolph Newcomb	Hilltop	--	95	8	1
186	5½ miles southeast	A. M. Cooper	Adolph Gold	Knoll top	--	64	8	2
187	7½ miles east	do.	Grady Ryan	Hilltop	1936	240	2	0.5
188	7 miles east	do.	do.	do.	--	92	8	2
189	5½ miles east	A. Blair	Dewitt Calvin	Ridge top	1919	26	8	1
190	6½ miles east	A. M. Cooper	John P. Marek	Gentle slope	1911	70	8	3
191	9 miles east	N. McFadden	Vince Hejl	do.	1925	58	8	2
192	6½ miles east	J. Hughes	Jack Henderson	Hilltop	--	79	30	1
193	7 miles east	--	Rex Plimper	Gentle slope	1927	42	8	2
194	9½ miles east	N. McFadden	F. Marek	Creek valley	1920	1,920	4½	--
195	do.	do.	do.	Gentle slope	1922	1,560	4	--
d/196	10 miles east	do.	do.	do.	1932	2,300	--	--
197	do.	do.	Adolph Marek	do.	1920	115	8	1
d/198	10½ miles east	M. Cummins	-- Marek	do.	1931	2,286	--	--
199	do.	J. Kinhead	Old Bethlem School	do.	--	25	30	3

## W. I. Clark, Jr., 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			
179	Flows	Sept. 24, 1936	None	D, S	Estimated flow, 1 gallon a minute from 2 openings in tan quicksand at foot of slope. Improved with 3 joints 30-inch vitrified tile. Reported never fails in drought. Known locally as Pabulek Spring.
180	34.9	Oct. 14, 1936	B, H	D, S	Dug well. Vitrified tile curb; 56 feet tile casing. Tenant reported water in fine tan sand and never fails
182	90	<u>e/</u>	C, L, 1	Ind	Tile curb; 117 feet tile casing. Estimated yield, 6 barrels a day. Water reported in fine yellow quicksand and never fails in drought. Supplies in drought.
183	33.7	Sept. 23, 1936	B, H	D, S	Vitrified tile curb; tile casing, top to bottom. Owner reported weak supply in fine sand but cotton gin.
184	32.9	Dec. 17, 1936	B, H	D, S	Vitrified tile curb; 49 feet tile casing. Owner reported water in fine sand and never fails in drought.
185	62	<u>e/</u>	C, H	N	Vitrified tile curb; 90 feet tile casing. Neighbor reported strong supply in greenish-black sand and never fails in drought.
186	62.1	Nov. 13, 1936	B, H	D	Concrete curb; vitrified tile casing, top to bottom. Tenant reported water in sand and never fails in drought.
187	60	<u>e/</u>	C, 7	D, S	Cement curb; 145 feet 3-inch galvanized iron casing at top, 95 feet 2-inch screen at bottom. Owner reported yield 30 gallons a minute from fine gray sand, 195-240 feet, and never fails in drought.
188	63.1	Nov. 13, 1936	B, H	D, S	Vitrified tile curb; tile casing, top to bottom. Owner reported strong supply in fine sand and never fails in
189	24	do.	B, H	D	Vitrified tile curb; 36 feet tile casing. Owner reported water in fine blue sand, 20-35 feet, and drought.
190	71.9	Dec. 17, 1936	B, H	D, S	Vitrified tile curb; tile casing, top to bottom. Owner reported water in fine gray quicksand and never fails in drought.
191	52.5	do.	B, H	D, S	Vitrified tile curb; tile casing, top to bottom. Owner reported water in gray quicksand and never fails in
192	74.9	Nov. 17, 1936	B, H	D	Dug well. Rock curb; brick and rock casing, top to bottom. Neighbor reported water in blue clay and sand. Reported bails dry but never fails in drought.
193	22.6	do.	B, H	D, S	Vitrified tile curb; tile casing, top to bottom. Owner reported strong supply in dark shale and sand and drought.
194	Flows	Jan. 8, 1937	None	D, S, I	800 feet 8-inch steel casing; 130 feet 4 $\frac{1}{2}$ -inch steel casing. Estimated flow, 200 gallons a minute, 80 feet above ground. Driller reported water in fine sand, 1900-1920 feet; never fails in drought. Temperature, 102°F. Drilled by F. Marek.
195	do.	do.	None	S, I	600 feet iron casing. Estimated flow, 30 gallons a minute. Owner reported water in fine blue sand and never fails in drought. Temperature, 91°F. Drilled by
196	--	--	--	--	Oil test. Drilled by F. Marek. Reported no strong artesian flow encountered. Jackson & Balse.
197	90	<u>e/</u>	C, W	D, S	Vitrified tile curb; 115 feet tile casing. Water reported in fine sand and never fails in drought.
198	--	--	--	--	Oil test. Drilled by F. Marek. Reported no strong artesian flow encountered. See log.
199	25.1	Sept. 23, 1936	B, H	D	Dug well. Wood curb; 6 feet rock masonry casing at top. Reported never fails in drought.

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

No.	Distance from Caldwell	Survey	Owner	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
200	12 miles east	C. Falenash	W. H. Oliver	Gentle slope	--	800	2	--
201	12 $\frac{1}{2}$ miles east	do.	do.	River bottoms	1903	940	3	--
202	13 $\frac{1}{2}$ miles east	do.	Bill Oliver	do.	1898	700	2	--
203	13 miles east	Wm. Raleigh	J. M. Fountain	do.	1934	992	4	--
204	do.	do.	do.	do.	1906	660	3	--
d/205	13 miles northeast	do.	do.	Flat	1936	--	--	--
d/205a	13 $\frac{1}{2}$ miles northeast	do.	do.	--	1936	1,756	--	--
206	11 miles east	do.	Chas. Campesi	River valley	1900	500	2	--
207	10 miles east	E. Brooks	Mrs. R. L. D. Knight	Valley flat	--	500	2	--
208	do.	do.	do.	Gentle slope	--	500	2	--
209	10 $\frac{1}{2}$ miles northeast	--	Jas. Carmode	River bottoms	--	550	4	--
210	11 miles northeast	J. Curtis	Webb Howell	Hilltop	--	800	2	--

No.	Distance from Somerville	Survey	Owner	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
301	10 $\frac{1}{2}$ miles west	J. Buchanan	Vince Ofclarzak	Gentle slope	--	71	8	1
302	9 miles west	do.	John Schoppe	do.	1911	87	8	2
303	do.	M. B. Lawrence	F. O. Weichert	do.	1930	107	8	1
d/304	7 miles northwest	J. Burleson	A. Schoppe	Knoll top	1924	75	8	--
305	do.	J. Perry	E. B. Jones	Gentle slope	1929	91	8	3
307	9 miles northwest	do.	C. C. Martin	do.	--	25	30	1
308	3 $\frac{3}{4}$ miles north	O. Perry	J. J. Nix	do.	--	27	30	3

W. I. Clark, Jr., Project Superintendent

No.	Water Level		Pump and power	Use of water	Remarks
	Depth below measuring point (feet)	Date of measurement			
200	Flows	Nov. 20, 1936	None	D,S	Estimated flow, 2 gallons a minute, into wood tank 39 feet above ground. Neighbor reported water in fine sand and never fails in drought.
201	do.	do.	None	D,S	Reported flow, 25 gallons a minute, 10 feet above ground. Steel casing. Water reported in fine gray sand and never fails in drought.
202	do.	do.	None	Ind	Estimated maximum flow, 12 gallons a minute, 12 feet above ground. Supplies cotton gin. Iron casing. Neighbor reported water in fine sand; never fails in drought. Drilled by --Gillum.
203	do.	Sept. 23, 1936	None	Ind	Owner reported flow of 30-100 gallons a minute, 45 feet above ground. Supplies cotton gin. Drilled by Layne-
204	do.	a/	None	Ind	Owner reported flow of 10 gallons a minute. 680 feet steel casing. Supplies cotton gin. Texas Co. See log.
205	--	--	--	--	Oil test. Reported strong artesian flow encountered at 631 feet and 960 feet. Known as J.M.Fountain No.2.
205a	--	--	--	--	Oil test. Known as J.M.Fountain No. 1. Drilled by M.R.Exploration Co.
206	Flows	a/	None	D,S	Owner reported flow of 10 gallons a minute, 6 feet above ground, from fine blue sand. 500 feet iron casing. Reported flows less than formerly. See log.
207	do.	Dec. 17, 1936	None	D,S	Estimated flow, 2 gallons a minute. Steel casing. Neighbor reported water in fine gray sand and recent
208	do.	do.	None	D,S	Estimated flow, 1 gallon a minute, 2 feet above ground. Iron casing. Neighbor reported water in fine gray sand; never fails in drought. decrease in flow.
209	do.	do.	None	D,S	Estimated flow, 2 gallons a minute 6 feet above ground. Steel casing. Neighbor reported water in fine blue
210	do.	c/	None	D,S	Tenant reported flow, 1 1/2 gallons a minute into tank. Galvanized iron casing. Water reported in fine blue sand; never fails in drought. Drilled by Arch Eye.

No.	Water Level		Pump and power	Use of water	Remarks
	Depth below measuring point (feet)	Date of measurement			
301	21.7	Nov. 12, 1936	B,H	D,S	Vitrified tile curb; tile casing, top to bottom. Owner reported water in fine gray quicksand and never fails in drought.
302	40	do.	B,H	D	Vitrified tile curb; tile casing, top to bottom. Owner reported strong supply in fine sand and never fails in drought.
303	81.5	do.	B,H	D	Vitrified tile curb; tile casing, top to bottom. Owner reported water in fine blue sand and never fails in drought.
304	74.1	Oct. 14, 1936	B,H	N	Vitrified tile curb; 75 feet tile casing. Owner reported water in blue quicksand which has recently caved and shut off supply.
305	87	do.	B,H	D,S	Vitrified tile curb; tile casing, top to bottom. Owner reported yield, 3 barrels a day in dark gray quicksand
307	15.7	Sept. 24, 1936	B,H	D,S	Dug well. Concrete curb; concrete casing, top to bottom. Tenant reported water in fine tan sand and never fails in drought.
308	26.5	Oct. 22, 1936	B,E	D,S	Dug well. Vitrified tile curb; tile casing, top to bottom. Owner reported water in fine gray sand and fails in drought.

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

No.	Distance from Somerville	Survey	Owner	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
309	3 miles north	J. Long	Mrs. Lee Woods	Flat	1932	140	8	2
310	3½ miles northwest	O. Perry	Geo. Shelfer	do.	1930	120	8	0
311	4 miles west	do.	Herman Witte	Knoll top	1925	83	8	1.5
312	3¼ miles west	J. Craft	--	Gentle slope	--	17	40	3
313	2½ miles west	E. Peaks	John Parker	do.	--	37	30	2
314	1½ miles northwest	J. Lastley	F. P. Snyder	Knoll top	1900	77	30	1
315	¼ mile east	J. M. Hardiman	Gulf Coast Utilities	Gentle slope	1914	198	8	0
316	¾ mile northeast	do.	G. O. & S. F. Ry.	do.	--	825	8	2
317	1½ miles southeast	do.	Bob Brantley	do.	1934	10	30	2
d/318	1½ miles east	do.	R. A. Brantley	do.	1929	1,627	--	--
d/319	2¾ miles east	J. J. Dewitt	W. H. Krause, et al.	do.	1923	1,704	--	--
321	5½ miles east	W. W. Allen	J. H. Baker	Flat	--	Spring	--	--
d/322	7 miles northeast	T. B. Roeso	W. R. A. Rogers	Gentle slope	1930	2,475	--	--
323	10 miles east	J. P. Chance	Burleson County	Hillside	--	Spring	--	--
324	10½ miles east	do.	J. C. Patrick	do.	--	do.	--	--
325	11 miles east	do.	Town of Clay	Valley flat	--	24	36	2
326	11½ miles east	do.	G. O. & S. F. Ry.	Gentle slope	--	--	4	--
327	11 miles northeast	J. Chenowith	Robt. Kemp	Valley flat	1930	25	36	2
d/328	12½ miles northeast	A. Kennon	J. W. Coulter	Bottom land	1934	6,033	--	--
d/329	14 miles northeast	Wm. McWilliams	W. A. Boyette	River bottoms	1929	1,705	--	--
330	11½ miles northeast	J. Chenowith	Farmers National Bank	do.	1927	20	30	0
331	do.	--	F. J. Foyt	Draw bank	1924	1,032	3	--

## W. I. Clark, Jr., Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
309	48.3	Oct. 22, 1936	B,H	D,S	Vitrified tile curb; 140 feet tile casing. Tenant reported strong supply in dark gray sand and never fails
310	93	e/	-,E,5	D,S	120 feet vitrified tile casing. Owner reported 22 feet drawdown after pumping 20 gallons a minute for 5 hours. Water reported in fine green sand and never fails in drought.
311	61.4	Sept. 24, 1936	B,H	D,S	Vitrified tile curb; 91 feet tile casing. Owner reported strong supply in bluish-green sand and never fails in drought.
312	17.6	Oct. 22, 1936	B,H	N	Dug well. Wood curb; wood casing, top to bottom. Tenant reported water in gray sand and bails dry but never fails in drought.
313	29.2	do.	B,H	D,S	Dug well. Concrete curb; concrete casing, top to bottom. Tenant reported weak supply in black sand but never fails in drought.
314	43.8	Jan. 5, 1937	C,W	D,S	Dug well. Vitrified tile curb; tile casing, top to bottom. Owner reported water in fine sand and never fails in drought.
315	60	e/	A,Cf, E,-	Ind	Plant manager reported slight drawdown after pumping 45,000 gallons a day. Capacity of air lift, 252 gallons a minute; of turbine, 150 gallons a minute. Water reported in fine gray sand; never fails in drought.
316	150	e/	A,D, 100	Ind	Steel curb. Attendant reported 100 feet drawdown after pumping 175 gallons a minute for 1 hour. Water pumped from 3 similar wells nearby. Reported supply in fine gray sand; never fails in drought. See log.
317	7.5	Sept. 24, 1936	B,H	D,S	Dug well. Concrete curb; concrete casing, top to bottom. Tenant reported water in fine white sand and never fails in drought. See log.
318	--	--	--	--	Oil test. Known as R. A. Brantley No. 1. See log.
319	--	--	--	--	Oil test. See log.
321	Flows	Dec. 16, 1936	None	S	Estimated flow, 2 gallons a minute from numerous openings in dark gray sand.
322	--	--	--	--	Oil test. See log.
323	Flows	Dec. 21, 1936	None	D,S	Estimated flow, 1 gallon a minute from opening in grayish white sandstone. Reported never fails in drought.
324	do.	do.	None	D,S	Estimated flow, 3 gallons a minute from numerous openings in white sand. Reported never fails in drought.
325	22.3	do.	B,H	P,S	Dug well. Wood curb; 18 feet wood casing at top. Resident reported water in sandstone and never fails in drought. [Known locally as Sulphur Springs.]
326	--	--	C,H	D	Iron casing. Resident reported strong supply in sand and never fails in drought. See log.
327	18.1	Dec. 21, 1936	B,H	D,S	Dug well. Wood curb; wood casing, top to bottom. Owner reported water in hard sand and never fails in drought.
328	--	--	--	--	Oil test. Known as J. W. Coulter No. 1. Drilled by Southern Seaboard. See log.
329	--	--	--	--	Oil test. Known as W. A. Boyette No. 1. 72 feet 10-inch casing. See log.
330	4.2	Dec. 21, 1936	B,H	D,S	Dug well. Concrete curb; concrete casing, top to bottom. Tenant reported water in sand rock and never fails in drought.
331	Flows	Dec. 14, 1936	None	--	Steel casing. Estimated flow, 30 gallons a minute into tank 10 feet above ground. Neighbor reported water in fine sand; never fails in drought. Supply is warm.

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

No.	Distance from Somerville	Survey	Owner	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <sup>a/</sup>
332	10 $\frac{1}{2}$ miles northeast	J. P. Cole	H. P. Drought	Knoll	1935	16	36	2
333	do.	W. R. Dallas	G. Hinton	Valley flat	1919	35	30	1
334	9 $\frac{1}{2}$ miles northeast	O. Gourd	Joe Baker	Ridge top	--	54	36	2
<u>d/335</u>	9 miles northeast	J. P. Cole	J. H. Baker	Gentle slope	1929	2,097	--	--
336	8 $\frac{1}{2}$ miles northeast	S. Lawrence	J. Bravak	Valley	--	38	36	2
337	9 $\frac{1}{2}$ miles northeast	A. Colvin	Jchn Gunek	Gentle slope	--	31	30	0.5
338	8 miles north	J. S. Jox	A. W. Wincher	do.	1925	102	4	1
340	9 $\frac{1}{2}$ miles north	A. Colvin	Mrs. J. H. Kozar	do.	--	28	8	1
341	10 miles north	J. Hollingsworth	R. R. & J. C. Wincher	do.	1912	73	8	1
342	11 miles north	P. Cole	Frank Orsaj	Flat	1935	32	8	1
343	10 $\frac{1}{2}$ miles north	A. Colvin	Frank J. Pojt	do.	1929	1,267	4	--
344	do.	do.	do.	do.	1929	1,620	2 $\frac{1}{2}$	--
<u>d/345</u>	do.	M. Cummins	A. Giesenschlag	Hillside	1926	3,715	--	--
346	11 miles north	do.	Martin Scarborough	Gentle slope	1928	30	8	1
347	do.	do.	Holley Wilson	Ridge top	1929	74	8	2
348	12 miles north	do.	J. F. Elsik	Gentle slope	1925	890	3	--
349	13 $\frac{1}{2}$ miles north	J. P. Cole	B. H. Dewey	River bottoms	--	980	2	--
350	do.	do.	do.	do.	--	750	2	--
351	14 miles north	do.	do.	--	1900	750	2	--

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

<sup>b/</sup> A, air lift; B, bucket; C, cylinder; Cf, centrifugal; T, turbine; D, diesel engine; E, electric; G, gasoline engine; H, hand; W, windmill; number indicates horsepower.

## W. I. Clark, Jr., 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			
332	12.4	Dec. 14, 1936	B,H	D,S	Dug well. Concrete curb; concrete casing, top to bottom. Tenant reported water in fine sand and never
333	27.1	do.	B,H	D,S	Dug well. Vitrified tile curb; tile casing, top to bottom. Owner reported water in hard gray sandstone and nearly fails in drought.
334	46.8	do.	C,H	D,S	Dug well. Concrete curb; 50 feet concrete casing at top. Neighbor reported yield, 10 gallons a minute from sandstone and never fails in drought.
335	--	--	--	--	Oil test. See log.
336	23.8	Dec. 21, 1936	B,H	D,S	Dug well. Wood curb; 16 feet rock masonry casing at top. Neighbor reported water in hard sand and never
337	28.3	Nov. 5, 1936	B,H	D,S	Dug well. Vitrified tile curb; 21 feet tile casing. Owner reported water in white sand
338	67	<u>e/</u>	C,H	D,S	Galvanized iron curb; 102 feet galvanized iron casing. Owner reported water in fine blue sand also weak supply but never fails in drought.
340	18	<u>e/</u>	C,H	D	Wood curb; 28 feet vitrified tile casing. Owner reported water in gravelly blue sand and never fails
341	43	<u>e/</u>	C,W	D,S	Vitrified tile curb; 73 feet tile casing. Tenant reported strong supply in blue sand and never
342	23	<u>c/</u>	C,H	D,S	Vitrified tile curb; 32 feet tile casing. Owner reported water in blue sand and never
343	Flows	Nov. 17, 1936	None	D	Estimated flow, 20 gallons a minute from coarse white water sand reported in log, 1010-1020 feet. 1,259 feet 4-inch drill stem. Located behind Tojt Store, Snook, Texas. Reported never fails
344	do.	Nov. 5, 1936	None	--	Estimated flow, 30 gallons a minute in drought. Water is warm. Driller reported water in porous rock, 1550-1620 feet. Drilled by J.F. Elsik. Water is hot. See
345	--	--	--	--	Oil test. Neighbor reported strong artesian flow encountered at 1,100 feet and 1,700 feet. Drilled
346	22	<u>c/</u>	C,W	D,S	Concrete curb; vitrified tile casing, top to bottom. Tenant reported strong supply in fine blue sand and never fails in drought.
347	69.5	Dec. 17, 1936	B,H	D,S	Vitrified tile curb; tile casing, top to bottom. Owner reported water in fine quicksand and nearly fails in
348	Flows	Nov. 17, 1936	None	D,S	Estimated flow, 5 gallons a minute. 378 feet 3-inch casing; 12 feet of screen at bottom. Owner reported water in fine blue sand; never fails in drought.
349	do.	Nov. 20, 1936	None	Ind	Estimated flow, 2 gallons a minute, 8 feet above ground through 2-inch galvanized iron casing. Owner reported water in fine gray sand; never fails in drought. Drilled by W. S. Miel. Supplies cotton gin.
350	do.	<u>c/</u>	None	D,S	Owner reported flow of 1 gallon a minute 8 feet above ground. 750 feet 2-inch iron casing. Owner reported water in fine gray sand; never fails in drought.
351	do.	<u>c/</u>	None	D	Owner reported flow of 1 gallon a minute 4 feet above ground through 2-inch galvanized iron casing. Water reported in fine blue sand; never fails in drought. Drilled by W. S. Miel.

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

d/ No water sample collected for analysis.

e/ Water level reported.



Table of Drillers' Logs, Burleson County, Texas

Driller's log of well 1  
Birmir Oil Co., J. P. Sparks Estate.  
14 $\frac{1}{2}$  miles north of Caldwell.

	Thickness (feet)	Depth (feet)
Surface clay and gravel - - -	60	60
Gravel, shale, sand streaks and boulders - - - - -	140	200
Rock - - - - -	61	261
Shale, sand breaks, and boulders - - - - -	239	500
Hard sand- - - - -	70	570
Shale - - - - -	10	580
Rock - - - - -	2	582
Sand- - - - -	38	620
Sandy shale - - - - -	80	700
Sticky shale - - - - -	100	800
Sand- - - - -	15	815
Shale- - - - -	83	898
Sand- - - - -	2	900

Driller's log of well 85  
Q. V. Crain No. 1.  
11 miles west of Caldwell.

Sand and rock - - - - -	45	45
Water sand - - - - -	17	62
Sand and clay - - - - -	25	87
Sand - - - - -	123	210
Shale- - - - -	151	361
Rock - - - - -	1	362
Hard sand- - - - -	13	375
Shale- - - - -	6	381
Sand - - - - -	36	417
Shale- - - - -	240	657
Hard sand- - - - -	10	667
Shale- - - - -	25	692
Hard sand- - - - -	6	703
Shale and hard sand- - - -	20	723
Shale- - - - -	22	745
Hard sand- - - - -	5	750
Shale- - - - -	42	792
Sand rock- - - - -	5	797
Sand - - - - -	9	806
Shale- - - - -	24	830
Sand - - - - -	15	845
Shale- - - - -	25	870
Sand - - - - -	115	985
Sand and shale - - - - -	40	1025
Hard sand - - - - -	5	1030
Sand - - - - -	88	1118
Rock - - - - -	2	1120
Shale- - - - -	29	1149
Sand - - - - -	2	1151
Shale- - - - -	28	1179
Hard rock- - - - -	6	1185
Sand - - - - -	2	1187
Broken sand and sandy shale- - - - -	83	1270
Shale - - - - -	56	1326
Sand - - - - -	112	1438
Hard sand- - - - -	5	1443

Driller's log of well 85--Continued

	Thickness (feet)	Depth (feet)
Sand - - - - -	35	1478
Shale- - - - -	36	1514
Sandy shale- - - - -	10	1524
Shale- - - - -	36	1560
Pyrite and sand- - - - -	15	1575
Sand rock- - - - -	3	1578
Sandy shale- - - - -	5	1583
Sand rock- - - - -	4	1587
Shale - - - - -	23	1610
Sand - - - - -	38	1648
Sand rock- - - - -	2	1650
Sandy shale- - - - -	19	1669
Sand rock- - - - -	3	1672
Sand and shale - - - - -	1	1673
Sand rock- - - - -	4	1677
Sandy shale- - - - -	52	1729
Hard sand- - - - -	26	1755
Shale - - - - -	42	1797
Sand rock- - - - -	3	1800
Shale - - - - -	9	1809
Sand- - - - -	10	1819
Shale - - - - -	56	1875
Rock - - - - -	1	1876
Shale and sand - - - - -	36	1912
Sand - - - - -	12	1924
Rock - - - - -	1	1925
Sand and shale - - - - -	29	1954
Shale- - - - -	37	1991
Rock - - - - -	1	1992
Sandy shale- - - - -	30	2022
Shale- - - - -	15	2037
Sandy shale - - - - -	5	2042
Shale- - - - -	10	2052
Hard sand and pyrite- - - -	36	2088
Hard sand rock- - - - -	2	2090
Hard sand- - - - -	13	2103
Hard sand rock - - - - -	11	2114
Hard sand and sandy shale - - - - -	37	2151
Hard sand rock - - - - -	4	2155
Sand - - - - -	30	2185
Shale and broken sand - - - - -	24	2209
Hard sand and shale- - - -	74	2283
Hard sand - - - - -	2	2285
Shale - - - - -	8	2293
Water sand- - - - -	45	2338
Sand rock - - - - -	2	2340
Sandy shale - - - - -	10	2350
Hard sand rock- - - - -	1	2351
Sand - - - - -	14	2365
Hard sand rock - - - - -	2	2367
Sandy shale - - - - -	25	2392
Shale - - - - -	6	2398
Sand - - - - -	107	2505
Broken sand and shale- - -	38	2543
Sand - - - - -	91	2634
TOTAL DEPTH- - - - -		6337

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Table of Drillers' Logs, Burleson County--Continued

Driller's log of well 153  
Poorboy Oil Co., A. K. Polinsky No. 1.  
8½ miles south of Caldwell.

	Thickness (feet)	Depth (feet)
Clay	1	1
Sandy clay	7	8
Shale	56	64
Sand	4	68
Shale	16	84
Sand	12	96
Shale	18	114
Sand	11	125
Shale	12	137
Rock	28	165
Sand	1	166
Blue sandy shale	42	208
Rock	43	251
Shale	6	257
Rock	90	347
Sand	3	350
Shale and boulders	13	363
Sand	168	531
Shale	23	554
Rock	146	700
Shale	5	705
Sand	85	790
Sandy shale	20	810
Shale	6	816
Sand	30	846
Sand and shale	7	853
Shale	141	994
Sand	83	1077
Sand and shale	5	1082
Shale	64	1146
Sand	56	1202
Shale	17	1219
Sand	23	1242
Shale	40	1282
Sand	19	1301
Lime rock	48	1349
Lime and sand	1	1350
Shale	51	1401
Sand	40	1441
Brown sandy shale	5	1446
Rock	15	1461
Shale	1	1462
Sand	4	1466
Sandy shale	5	1471
Sand	19	1490
Shale	37	1527
Sand	4	1531
Shale	8	1539
Sand	67	1606
Sandy shale	4	1610
Shale	1	1611
Rock	24	1635
Shale	1	1636
Rock	18	1654
Shale	1	1655
Sand	101	1756

Driller's log of well 153--Continued  
Thickness Depth

	(feet)	(feet)
Gray sandy shale	6	1762
Sandy shale	1	1763
Sand, shale and lime	25	1788
Shale	82	1870
Sand	5	1875
Shale	7	1882
Sand	67	1949
Shale	21	1970
Sand	10	1980
Sandy shale	3	1983
Sand	6	1989
Sandy shale	1	2003
Sand	28	2031
Sand, shale, and lime	9	2040
Sandy shale	2	2042
Shale	10	2052
Sandy shale	8	2060
Sand	5	2065
Sand and shale	1	2066
Sandy shale	1	2067
Sand	23	2090
Shale	49	2139
Sand	10	2149
Shale	20	2169
Sandy lime rock	14	2183
Green sand and lime	5	2188
Green sand	3	2191
Green sandy shale	16	2207
Green sand	5	2212
Green sand and shale	14	2226
Green shale	8	2234
Shale	1	2235
Hard shale	5	2240
Dark brown shale	40	2280
Sand	32	2312
Rock	24	2336
Sandy shale	2	2338
Sand	8	2346
Shale	4	2350
Sand	4	2354
Shale	3	2357
Sand	4	2361
Shale	3	2364
Sand	4	2368
Shale	19	2387
Sand	4	2391
Shale	9	2400
Sand	6	2406
Shale	8	2414
Sand rock	6	2420
Shale	5	2425
Rock	44	2469
Sand	1	2470
Gray sand and dark shale	7	2477
Shale	1	2478
Sandy shale	56	2536
TOTAL DEPTH		2780

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Table of Drillers' Logs, Burleson County--Continued

Driller's log of well 167  
E. D. Aharns farm.  
6 miles south of Caldwell.

	Thickness (feet)	Depth (feet)
Surface soil - - - - -	10	10
Laminated white and yellow clay- - - - -	50	60
Blue shale - - - - -	100	160
Fine gray water sand - - -	20	180
Broken shale and shells- -	210	390
Blue water sand- - - - -	40	430

Driller's log of well 198  
F. Marek--Marek farm.  
10<sup>1</sup>/<sub>2</sub> miles east of Caldwell.

Clay - - - - -	4	4
Sand - - - - -	12	16
Red sand - - - - -	6	22
Hard sand- - - - -	3	25
Water sand - - - - -	10	35
Shale - - - - -	27	62
Sand - - - - -	36	98
Shale- - - - -	2	100
Sand - - - - -	18	118
Shale- - - - -	15	133
Sand - - - - -	5	139
Lignite- - - - -	11	150
Shale- - - - -	3	158
Lignite- - - - -	6	164
Shale- - - - -	7	171
Sand - - - - -	3	174
Sand and shale - - - - -	23	197
Sand - - - - -	27	224
Shale- - - - -	10	234
Green sand - - - - -	12	246
Rock - - - - -	2	248
Shale- - - - -	17	265
Rock - - - - -	1	266
Shale- - - - -	1	267
Sand - - - - -	9	276
Shale- - - - -	35	311
Shale and rock - - - - -	42	353
Sand and shale - - - - -	2	355
Shale- - - - -	20	375
Shale and rock - - - - -	39	414
Green sand and shale - - -	6	420
Shale - - - - -	26	446
Sand - - - - -	5	451
Shale - - - - -	11	462
Sand - - - - -	19	481
Shale- - - - -	59	540
Blue shell rock- - - - -	1	541
Shale- - - - -	3	544
Blue shell rock- - - - -	1	545
Shale- - - - -	1	546
Blue shell rock- - - - -	3	549
Shale- - - - -	2	551
Blue shell rock- - - - -	1	552
Shale- - - - -	19	571
Blue shell rock- - - - -	1	572

Driller's log of well 198--Continued

	Thickness (feet)	Depth (feet)
Shale - - - - -	11	583
Blue shell rock - - - - -	1	584
Shale - - - - -	23	607
Blue shell rock - - - - -	1	608
Shale - - - - -	16	624
Shell rock- - - - -	3	627
Shale - - - - -	13	640
Sand- - - - -	3	643
Shale - - - - -	11	654
Sandy shale - - - - -	19	673
Shale - - - - -	2	675
Sand- - - - -	3	678
Shale - - - - -	4	682
Sand- - - - -	4	686
Shale - - - - -	12	693
Sand- - - - -	3	701
Sandy shale - - - - -	15	716
Shale- - - - -	6	722
Green sand and shale- - -	3	725
Sandy shale - - - - -	4	729
Shale- - - - -	25	754
Sandy shale - - - - -	7	761
Shale- - - - -	35	796
Sand - - - - -	9	805
Shale and sand - - - - -	8	813
Shale - - - - -	7	820
Sand- - - - -	3	823
Shale - - - - -	1	824
Sand- - - - -	2	826
Shale - - - - -	15	841
Green sand- - - - -	1	842
Shale - - - - -	1	843
Green sand and shale- - -	1	844
Sand and shale- - - - -	4	848
Sand - - - - -	6	854
Shale - - - - -	3	857
Sand - - - - -	41	898
Shale - - - - -	23	921
Sand - - - - -	4	925
Shale- - - - -	41	966
Sand - - - - -	4	970
Shale - - - - -	4	974
Green sand and shale- - -	2	976
Sandy shale - - - - -	21	997
Hard shale- - - - -	5	1000
Sand - - - - -	10	1010
Rock - - - - -	1	1011
Brown sand and shale- - -	1	1012
Brown sand - - - - -	3	1015
Shale - - - - -	17	1032
Sand - - - - -	9	1041
Rock or boulders- - - - -	1	1042
Hard sand- - - - -	3	1045
Sand - - - - -	3	1048
Sand and shale- - - - -	22	1070
Shale - - - - -	7	1077
Rock or boulders- - - - -	1	1078

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Table of Drillers' Logs, Burleson County--Continued

Driller's log of well 198--Continued

	Thickness (feet)	Depth (feet)
Shale - - - - -	9	1087
Rock or boulders- - - - -	1	1088
Shale - - - - -	27	1115
Sand showing gas- - - - -	16	1131
Shale - - - - -	9	1140
Hard sand - - - - -	7	1147
Water sand- - - - -	16	1163
Shale- - - - -	14	1177
Sand - - - - -	23	1203
Shale - - - - -	5	1208
Sand- - - - -	9	1217
Shale - - - - -	10	1227
Sand- - - - -	81	1308
Sandy shale - - - - -	5	1313
Shale - - - - -	32	1345
Sandy shale - - - - -	59	1404
Rock- - - - -	1	1495
Shale - - - - -	23	1428
Sand- - - - -	31	1459
Shale - - - - -	11	1470
Sand- - - - -	9	1479
Shale - - - - -	7	1486
Rock- - - - -	2	1488
Shale - - - - -	9	1497
Sand- - - - -	3	1500
Shale - - - - -	2	1502
Sand- - - - -	4	1506
Shale - - - - -	4	1510
Rock- - - - -	2	1512
Shale - - - - -	23	1535
Iron pyrites- - - - -	1	1536
Sandy shale - - - - -	14	1550
Shale and thin layers of rock- - - - -	130	1680
Sand- - - - -	2	1632
Rock- - - - -	1	1633
Sand- - - - -	18	1701
Shale - - - - -	3	1704
Hard sand - - - - -	3	1707
Shale - - - - -	8	1715
Hard sand - - - - -	42	1757
Shale - - - - -	17	1774
Hard sand - - - - -	18	1792
Shale - - - - -	13	1805
Sand- - - - -	33	1838
Shale - - - - -	38	1876
Sand - - - - -	11	1887
Sandy shale - - - - -	9	1896
Sand - - - - -	21	1917
Shale - - - - -	9	1926
Sand- - - - -	14	1940
Shale - - - - -	9	1949
Sand- - - - -	10	1959
Shale - - - - -	9	1968
Sand- - - - -	32	2000
Shale - - - - -	74	2074
Sandy shale - - - - -	26	2100
Shale - - - - -	21	2121

Driller's log of well 198--Continued

	Thickness (feet)	Depth (feet)
Sand and bituminous shale - - - - -	38	2159
Lignitic shale- - - - -	59	2218
Lignite - - - - -	5	2223
Lignitic shale- - - - -	62	2285
Rock - - - - -	1	2286
TOTAL DEPTH - - - - -		2286

Driller's log of well 203

Layne - Texas Co., J. M. Fountain farm.  
13 miles east of Caldwell.

Soil - - - - -	8	8
Clay - - - - -	24	32
Sand and gravel - - - - -	40	72
Sandy-clay and gravel - - - - -	14	86
Hard clay - - - - -	62	148
Soft red clay - - - - -	22	170
Sand and gravel - - - - -	48	218
Hard shale - - - - -	58	276
Clay and gravel - - - - -	60	336
Hard shale - - - - -	62	398
Hard shale and clay - - - - -	70	468
Hard clay- - - - -	42	510
Shale and sand rock - - - - -	64	574
Sandy shale- - - - -	92	666
Shale - - - - -	108	774
Sand - - - - -	12	786
Shale - - - - -	44	830
Sand and shale- - - - -	162	992
Shale - - - - -	?	994

CASING RECORD: 925 feet

- 4 - inch steel casing.  
65 feet
- 4 - inch screen.
- 2 feet
- 4 - inch set nipple.

Driller's log of well 205a

M. R. Exploration Co., J. M. Fountain  
No. 1.

13 $\frac{1}{2}$  miles northeast of Caldwell.

Rotary table - - - - -	4	4
Surface soil - - - - -	4	8
Red clay - - - - -	24	32
Sand and gravel- - - - -	23	55
Soft brown shale - - - - -	54	109
Soft rock - - - - -	1	110
Soft brown shale - - - - -	14	124
Hard sticky shale- - - - -	5	129
Soft rock - - - - -	1	130
Soft brown shale and thin layers of rock - - - - -	45	175
Brown shale, lignite, and some shell- - - - -	32	207
Sand and some shell - - - - -	11	218
Soft brown shale and shell--	75	293
Soft brown shale, shell, and numerous thin layers of rock - - - - -	65	358

Table of Drillers' Logs, Burleson County--Continued

Driller's log of well 205a--Continued		Thickness	Depth
		(feet)	(feet)
Hard gray shale and shell boulders - - - - -	40	398	
Hard packed sand - - - - -	3	401	
Hard shale - - - - -	11	412	
Hard packed sand - - - - -	2	414	
Soft gray shale - - - - -	21	435	
Hard shale - - - - -	10	445	
Hard gray shale and shell - - - - -	20	465	
Soft gray shale and shell - - - - -	30	495	
Soft shale, thin layers of brown sand, lignite, and rock - - - - -	49	544	
Soft shale - - - - -	14	558	
Sand - - - - -	10	568	
Brown shale, shell, and layers of sand - - - - -	23	591	
Soft blue shale - - - - -	11	602	
Good water sand and lignite - - - - -	34	636	
Soft shale - - - - -	6	642	
Soft shale and layers of sand - - - - -	18	660	
Hard brown shale and shell - - - - -	80	740	
Hard, sticky, green shale -	13	753	
Soft shale - - - - -	10	763	
Hard shale - - - - -	7	770	
Soft gray shale and thin layers of sand - - - - -	20	790	
Soft gray shale, lignite and sand - - - - -	24	814	
Hard gray shale, shell, lignite and layers of hard sand - - - - -	20	834	
Rock - - - - -	2	836	
Soft gray shale and shell - - - - -	10	846	
Rock - - - - -	1	847	
Soft gray shale and shell -	6	853	
Rock - - - - -	1	854	
Hard shale, shell, and thin layers of rock - - - - -	21	875	
Soft shale - - - - -	22	897	
Hard sand - - - - -	4	901	
Soft gray shale and thin layers of sand - - - - -	45	946	
Sandy and lignitic shale--	27	973	
Shale, sand, and chocolate-colored lignite - - - - -	14	987	
Good water sand and thin layers of shale - - - - -	50	1037	
Rock - - - - -	1	1038	
Fine gray sand and layers of shale - - - - -	8	1046	
Soft brown or gray shale--	65	1109	
Hard rock - - - - -	1	1110	

Driller's log of well 205b--Continued		Thickness	Depth
		(feet)	(feet)
Brown sticky shale and shell - - - - -	51	1161	
Soft grayish-brown shale -	61	1222	
Rock - - - - -	1	1223	
Soft shale - - - - -	18	1241	
Rock - - - - -	1	1242	
Soft shale - - - - -	21	1263	
Hard sticky brown shale with thin layers of rock - - - - -	125	1391	
Rock - - - - -	1	1392	
Hard sticky shale - - - - -	12	1404	
Rock - - - - -	2	1406	
Hard shale and thin layers of rock - - - - -	10	1416	
Rock - - - - -	1	1417	
Hard sticky shale - - - - -	4	1421	
Soft shale - - - - -	14	1435	
Fine green water sand and thin layers of shale	19	1454	
Hard rock - - - - -	2	1456	
Green sand - - - - -	6	1462	
Green shale, sand, and shell - - - - -	6	1468	
Soft shale and thin layers of rock - - - - -	24	1492	
Green sand and layers of brown shale and lignite--	5	1497	
Soft brown shale - - - - -	45	1540	
Lignite and layers of sand and brown shale - - - - -	9	1549	
Soft brown shale - - - - -	13	1562	
Water sand - - - - -	27	1589	
Soft blue shale - - - - -	82	1671	
Rock - - - - -	1	1672	
Soft brown shale - - - - -	76	1748	
Brown sand and shale - - - -	8	1756	

Driller's log of well 315  
Gulf Coast Utilities, behind office of foraging. In southeast part of Somerville.

Sandy loam - - - - -	30	30
Sand - - - - -	10	40
Lignite - - - - -	16	56
Clay - - - - -	7	63
Sand rock - - - - -	5	68
Clay - - - - -	3	71
Chalk - - - - -	19	90
Clay - - - - -	10	100
Lignite - - - - -	8	108
Gumbo - - - - -	40	148
Lignite - - - - -	10	158
Shale - - - - -	10	168
Water sand - - - - -	12	180
Shale and clay - - - - -	18	198

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Table of Drillers' Logs, Burleson County--Continued

Driller's log of well 315--Continued

Thickness Depth  
(feet) (feet)

CASING RECORD: 200 feet, 8 - inch casing with bottom 20 feet perforated. 160 feet, 1½ - inch air line.

Driller's log of well 316

G. C. & S. F. Ry., Wells No. 1 and No. 2. Near roundhouse, ¾ - mile northeast of Somerville.

Clay - - - - -	18	18
Sand - - - - -	6	24
Lignite and brown clay - - -	161	185
Sand - - - - -	15	200
Blue gumbo - - - - -	300	500
Lignite - - - - -	6	506
Blue gumbo - - - - -	94	600
Sand - - - - -	8	608
Gumbo - - - - -	182	790
Sand - - - - -	25	815

CASING RECORD: 785 feet, 8 - inch casing. 40 feet, 8 - inch screen. 450 feet, 1½ - inch air line.

Driller's log of well 318

Burham-Davis, R. A. Brantley No. 1. 1 - ¼ mile east of Somerville.

Blue clay - - - - -	9	9
Gray and white water sand--	6	15
White sand- - - - -	20	35
Hard shale and flaky sand--	7	42
Broken sand and shale - - -	13	55
Lignite - - - - -	2	57
Sand rock - - - - -	2	59
Sand and shale -- - - - -	45	104
Hard gray sand - - - - -	46	150
Shale and lignite- - - - -	20	170
Sand and shale - - - - -	23	193
Shale and lignite- - - - -	40	233
Gummy shale - - - - -	3	236
Hard sand - - - - -	20	256
Lignite and shale - - - - -	20	276
Sandy shale - - - - -	62	338
Lignite and sand- - - - -	28	366
Gummy shale and sand- - - -	54	420
Lignite and sand - - - - -	20	440
Gummy shale and sand - - - -	20	460
Gummy shale - - - - -	35	545
Shale - - - - -	35	630
Gummy shale and boulders- -	20	650
Gummy shale - - - - -	15	665
Sand and shale - - - - -	10	675
Sandy shale and gumbo - - -	65	740
Lignite - - - - -	2	742
Water sand- - - - -	18	760
Sand and shale- - - - -	40	800
Water sand - - - - -	15	815
Sand and shale -- - - - -	35	850
Shale - - - - -	10	860
Gummy shale - - - - -	20	880

Driller's log of well 318--Continued

	Thickness (feet)	Depth (feet)
Sand and shale - - - - -	40	920
Lignite, shale, and water sand - - - - -	2	922
Water sand - - - - -	13	935
Sand and shale - - - - -	15	950
Gummy shale and sand - - -	50	1000
Gummy shale - - - - -	40	1040
Gumbo and boulders - - - -	10	1050
Tough gumbo - - - - -	20	1070
Gummy shale - - - - -	70	1140
Gumbo - - - - -	15	1155
Rock - - - - -	2	1157
Sandy shale - - - - -	43	1200
Rotten shale - - - - -	50	1250
Gumbo - - - - -	20	1270
Lignite and shale - - - - -	35	1305
Brown gummy shale - - - - -	55	1360
Brown gumbo - - - - -	40	1400
Rotten lignite and shale--	50	1450
Coarse black shale - - - -	17	1467
Rotten shale - - - - -	160	1627
TOTAL DEPTH - - - - -		1627

Driller's log of well 319

M. M. Kruse farm. 2 - ¾ - miles east of Somerville.

Black sand - - - - -	14	14
Water sand - - - - -	27	41
Lignite - - - - -	8	49
Packed sand- - - - -	7	56
Blue water sand- - - - -	14	70
Sand rock - - - - -	28	98
Lignite - - - - -	7	105
Sand and shale -- - - - -	175	280
Hard sand - - - - -	10	290
Sand and shale -- - - - -	30	320
Sand - - - - -	120	440
Sticky shale and boulders--	20	460
Sand and shale - - - - -	30	490
Sticky shale - - - - -	80	570
Broken shale - - - - -	30	600
Shale - - - - -	30	630
Sand and shale - - - - -	20	650
Hard rock - - - - -	1	651
Sandy shale - - - - -	29	680
Sticky shale - - - - -	5	685
Sand and shale - - - - -	9	694
Sandy shale - - - - -	56	750
Gumbo - - - - -	5	755
Water sand - - - - -	7	762
Lignite and sandy shale --	15	777
Water sand - - - - -	14	791
Sticky shale - - - - -	57	848
Shale and lignite- - - - -	15	863
Sticky shale and boulders--	12	875
Sticky shale - - - - -	100	975
Shale and boulders - - - -	25	1000
Gumbo- - - - -	17	1017

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Table of Drillers' Logs, Burleson County--Continued

Driller's log of well 319--Continued.

	Thickness (feet)	Depth (feet)
Shale - - - - -	8	1025
Gumbo - - - - -	3	1028
Sticky shale- - - - -	22	1050
Shale and boulders- - - - -	50	1100
Water sand - - - - -	20	1120
Shale and boulders- - - - -	45	1165
Lignite and sandy shale - - - - -	20	1185
Water sand - - - - -	90	1275
Sticky shale - - - - -	15	1290
Gumbo sand and shale- - - - -	40	1330
Water sand - - - - -	25	1355
Lignite and sandy shale- - - - -	10	1365
Lignite - - - - -	3	1368
Sticky shale- - - - -	15	1383
Shale and boulders- - - - -	40	1423
Lignite - - - - -	6	1429
Sticky shale- - - - -	37	1466
Lignite - - - - -	3	1469
Shale and gumbo - - - - -	18	1487
Sticky shale - - - - -	25	1512
Hard sand - - - - -	3	1515
Shale - - - - -	2	1517
Lignite and sand- - - - -	27	1544
Water sand - - - - -	12	1556
Sandy shale - - - - -	24	1580
Sand and shale- - - - -	18	1598
Sandy shale - - - - -	22	1620
Sand - - - - -	75	1695
Rock - - - - -	1	1696
Sticky shale - - - - -	5	1701
TOTAL DEPTH - - - - -		1701

Driller's log of well 522  
W. R. A. Rogers farm.  
7 miles northeast of Somerville.

Surface sand, sand rock, and fuller's earth- - - - -	60	60
Fine water sand - - - - -	15	75
Lignite, shale and gumbo- - - - -	132	207
Fine packed water sand -- - - -	143	350
Sticky shale, gumbo, lig- nite, sandy shale, hard shells and sandstone- - - - -	613	963
Water sand, gumbo, shale, and sandstone - - - - -	42	1005
Water sand - - - - -	15	1020
Gumbo, shale and hard sand - - - - -	82	1102
Hard black shale - - - - -	23	1125
Hard sticky sandy shale, gumbo, boulders, and hard sand rock -- - - - -	737	1862
Fossils and shells - - - - -	10	1872
Sticky shale and hard sand- - - - -	96	1968
Hard sand rock - - - - -	34	2002
Sticky shale, hard sand rock, and lime rock-- - - -	38	2040
Hard lime and sand rock - - - - -	5	2045

Driller's log of well 322--Continued

	Thickness (feet)	Depth (feet)
Shale, sand, and lime rock - - - - -	95	2140
Blue water sand- - - - -	20	2160
Hard sand- - - - -	60	2220
Sandy shale and lime rock - - - - -	18	2238
Soft green sand- - - - -	2	2240
Sticky shale and sand boulders - - - - -	78	2318
Tough gumbo- - - - -	78	2396
Sand, sticky shale, and lime shells- - - - -	79	2475
TOTAL DEPTH - - - - -		2475

Driller's log of well 326  
G. C. & S. F. Ry., east of depot at  
Clay.  
1 1/2 miles east of Somerville.

Soil - - - - -	15	15
Clay - - - - -	13	28
Rock - - - - -	13	41
Sand - - - - -	26	67
Lignite- - - - -	7	74
Blue sand rock - - - - -	14	88
Blue sand - - - - -	36	124
Gray sand rock - - - - -	37	161
Lignite - - - - -	8	169
Blue limestone - - - - -	16	185
Sand - - - - -	3	188
Gray sand rock- - - - -	9	197
Soapstone - - - - -	20	217
Rock - - - - -	3	220
Soapstone- - - - -	29	249
Fine blue sand - - - - -	5	254
Blue limestone - - - - -	7	261
Soapstone - - - - -	10	271
Rock - - - - -	11	282
Soapstone- - - - -	138	420
Fine water sand- - - - -	60	480
Soapstone - - - - -	45	525
Close blue sand, lignite, and soapstone- - - - -	83	608
Water sand - - - - -	5	613
Lignite and soapstone- - - - -	19	632
Water sand - - - - -	4	636
Soapstone and sand - - - - -	11	647
Water sand - - - - -	40	687
Rock - - - - -	1	688

Driller's log of well 328  
Southern Seaboard, J. V. Coulter  
No. 1. 12 1/2 miles northeast of  
Somerville.

Surface - - - - -	50	50
Sand - - - - -	75	125
Sand and shale - - - - -	205	330
Sticky shale - - - - -	150	480

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Table of Drillers' Logs, Burleson County--Continued

Driller's log of well 328--Continued

	Thickness (feet)	Depth (feet)
Shale - - - - -	60	540
Sticky shale- - - - -	429	969
Shale - - - - -	286	1255
Sand rock - - - - -	2	1257
Sand - - - - -	5	1262
Sand and shale- - - - -	18	1280
Shale - - - - -	18	1298
Shale and lime streaks- -	77	1375
Sandy lime- - - - -	2	1377
Sand and shale- - - - -	10	1387
Sandy lime- - - - -	1	1388
Sticky shale- - - - -	23	1411
Shale - - - - -	4	1415
Lime - - - - -	5	1420
Shale - - - - -	70	1490
Sticky shale- - - - -	10	1500
Sticky shale and lime shells- - - - -	218	1718
Gummy shale - - - - -	202	1920
Sticky shale and lime streaks - - - - -	240	2160
Sticky shale- - - - -	120	2280
Hard lime shells- - - - -	50	2330
Sticky shale- - - - -	6	2336
Shale - - - - -	324	2660
Sticky shale and lime shells- - - - -	160	2820
Shale and lime- - - - -	54	2874
Hard lime - - - - -	6	2880
Shale - - - - -	26	2906
Hard sandy lime - - - - -	82	2988
Shale - - - - -	6	2994
Shale and lime shells - -	21	3015
Hard lime - - - - -	15	3030
Gummy shale - - - - -	155	3185
Sticky shale- - - - -	135	3320
Gummy shale - - - - -	25	3345
Sand - - - - -	5	3350
Sandy shale-- - - - -	30	3380
Shale - - - - -	65	3445
Sticky shale- - - - -	60	3505
Shale - - - - -	532	4037
Hard lime - - - - -	41	4078
Sandy shale - - - - -	2	4080
Water sand- - - - -	6	4086
Hard sandy shale- - - - -	21	4107
Sandy shale - - - - -	133	4240
Lime rock - - - - -	2	4242

Driller's log of well 329

Dolly Boyett Oil and Gas Co.,  
W. A. Boyett No. 1.  
14 miles northeast of Somerville.

Surface clay - - - - -	46	46
Sticky shale - - - - -	29	75
Sticky blue shale - - - -	168	243
Shale and hard sand - - - -	122	372
Dry sand - - - - -	66	438

Driller's log of well 329--Continued

	Thickness (feet)	Depth (feet)
Sticky tough shale - - - -	48	486
Brown and blue shale - - - -	19	505
Blue shale - - - - -	50	555
Shale and sand - - - - -	45	600
Water sand - - - - -	61	661
Hard dry sand - - - - -	142	803'
Sticky shale - - - - -	105	908
Sandy shale - - - - -	213	1121
Sandy shale - - - - -	69	1190
Sand and boulders - - - - -	44	1234
Hard dry shale - - - - -	105	1339
Sand - - - - -	17	1356
Water sand - - - - -	36	1392
Dry sand - - - - -	12	1404
Sticky shale - - - - -	96	1500
Sticky shale and sand- - - -	57	1557
Sticky shale - - - - -	10	1567
Sandy shale- - - - -	92	1659
Brown sticky shale - - - - -	1	1660
Water sand - - - - -	45	1705

Driller's log of well 335

J. H. Baker farm. 9 miles northeast  
of Somerville.

Surface clay and lime  
rock - - - - -

rock - - - - -	20	20
Broken lime and sand - - - -	22	42
Sandy shale - - - - -	33	75
Water sand - - - - -	20	95
Shaly gumbo - - - - -	41	136
Sandy gumbo - - - - -	59	195
Sandy rock - - - - -	2	197
Blue gumbo - - - - -	123	320
Sandy gumbo- - - - -	50	370
Sandy shale - - - - -	30	400
Gumbo and gypsum - - - - -	20	420
Shale - - - - -	40	460
Tough gypsum and gumbo - - -	39	499
Hard lime cap - - - - -	1	500
Broken sand and brown shale - - - - -	12	512
Water sand - - - - -	18	530
Gumbo - - - - -	30	560
Gypsum and gumbo - - - - -	15	575
Sandy shale - - - - -	5	580
Black shale - - - - -	10	590
Gummy shale - - - - -	30	620
Tough gumbo and gypsum- - -	115	735
Broken sand rock - - - - -	5	740
Shale water - - - - -	8	748
Gumbo and gypsum- - - - -	32	780
Gummy shale - - - - -	70	850
Sandy gumbo - - - - -	50	900
Tough gumbo - - - - -	26	926
Sandy gumbo- - - - -	49	975
Blue sandy shale - - - - -	25	1000
Packed sand - - - - -	17	1017
Lime rock - - - - -	1	1018

(Continued on next page)



Table of Drillers' Logs, Burleson County--Continued

Driller's log of well 335--Continued

	Thickness (feet)	Depth (feet)
Lime cap - - - - -	5	1023
Gummy sand - - - - -	20	1043
Sandy shale - - - - -	40	1083
Shale - - - - -	7	1090
Water sand - - - - -	50	1120
Tough gumbo - - - - -	14	1134
Hard cap rock - - - - -	1	1135
Hard yellow sand rock - - -	1	1136
Tough gumbo - - - - -	70	1206
Gumbo - - - - -	19	1225
Conglomerate and shale - -	20	1245
Hard lime rock - - - - -	2	1247
Sand and shale - - - - -	8	1255
Hard sand rock - - - - -	2	1257
Sandy shale - - - - -	10	1267
Gummy shale - - - - -	13	1280
Tough gumbo - - - - -	20	1300
Gumbo and gummy shale - - -	50	1350
Sand, shells, and shale - - - - -	10	1360
Tough gumbo - - - - -	40	1400
Tough gumbo and gypsum - -	43	1443
Tough gumbo - - - - -	30	1473
Gumbo boulders - - - - -	10	1483
Tough gumbo - - - - -	28	1511
Gumbo - - - - -	1	1512
Sand, shale, and shells - -	4	1516
Gumbo and shale - - - - -	39	1555
Sandy shale and shells - -	10	1565
Gumbo and gypsum - - - - -	15	1580
Gumbo - - - - -	1	1581
Water sand - - - - -	9	1590
Shale and fossils - - - - -	45	1635
Tough gumbo - - - - -	50	1685
Gumbo - - - - -	15	1700
Tough gumbo - - - - -	23	1723
Sandy gumbo - - - - -	10	1733
Shale, shells, and sand - -	12	1745
Sandy gumbo and shale - - -	25	1770
Tough gumbo and fossils - -	30	1800
Tough gumbo - - - - -	5	1805
Soft pink shale - - - - -	55	1860
Hard coarse shale - - - - -	40	1900
Brown water sand - - - - -	6	1906
Grey water sand - - - - -	34	1940
Gumbo - - - - -	5	1945
Brown shale and sand - - -	5	1950
Brown sand and shale - - -	5	1955
Sandy shale - - - - -	5	1960
Gumbo - - - - -	5	1965
Sandy shale - - - - -	30	1995
Brown gumbo and streaks of sand - - - - -	5	2000
Tough brown gumbo - - - - -	8	2008
Soft shale - - - - -	7	2015
Tough gumbo - - - - -	6	2021

Driller's log of well 335--Continued

	Thickness (feet)	Depth (feet)
Sand - - - - -	3	2024
Gumbo and streaks of sandy shale - - - - -	73	2097
TOTAL DEPTH - - - - -		2097

Driller's log of well 344  
J. F. Elsis, Frank J. Fojt, behind  
Fojt Store, Snook, Texas.  
10 1/2 miles north of Somerville.

	Thickness (feet)	Depth (feet)
Surface soil - - - - -	27	27
Sand - - - - -	53	80
Hard black sand - - - - -	45	125
Blue sand, gravel, and boulders - - - - -	63	188
Soft shale - - - - -	16	204
Gumbo - - - - -	2	206
Hard shale - - - - -	33	239
Soft shale - - - - -	21	260
Gumbo - - - - -	22	282
Soft shale - - - - -	22	304
Water sand and boulders - -	62	366
Soft shale and boulders - -	56	422
Blue shale - - - - -	10	432
Gumbo - - - - -	16	450
Brown sticky shale - - - -	40	490
Gumbo - - - - -	24	514
Shale - - - - -	19	533
Rock - - - - -	1	534
Gumbo - - - - -	32	566
Shale - - - - -	18	584
Gumbo - - - - -	2	586
Sand rock - - - - -	4	590
Soft shale - - - - -	19	609
Water sand - - - - -	20	629
Gumbo - - - - -	3	632
Sticky shale - - - - -	14	646
Rock - - - - -	1	647
Sticky shale - - - - -	12	659
Blue flint - - - - -	2	661
Gumbo - - - - -	46	707
Rock - - - - -	1	708
Shale and boulders - - - -	90	798
Gumbo - - - - -	42	840
Soft shale - - - - -	43	883
Gumbo - - - - -	17	900
Hard rock - - - - -	1	901
Shale - - - - -	2	903
Hard rock - - - - -	1	904
Gumbo - - - - -	16	920
Blue shale - - - - -	30	950
Hard and soft streaked shale - - - - -	50	1000
Tough gumbo - - - - -	38	1038
Shale and shell - - - - -	27	1065
Gumbo - - - - -	15	1080
Soft shale - - - - -	10	1090

(Continued on next page)

Table of Drillers' Logs, Burleson County--Continued

Driller's log of well 314-Continued		
	Thickness	Depth
	(feet)	(feet)
Gumbo - - - - -	30	1120
Hard black shale- - - - -	12	1132
Boulders, brown shale, and shell - - - - -	24	1156
Blue gumbo- - - - -	19	1175
Soft black shale and boulders - - - - -	52	1227
Sand rock - - - - -	14	1241
Soft shale and boulders--	18	1259
Water sand- - - - -	8	1267
Shale and boulders- - - - -	20	1287
Sandy shale - - - - -	35	1322
Sand rock - - - - -	4	1326
Gumbo - - - - -	1	1327
Blue sand rock- - - - -	2	1329
Blue shale - - - - -	13	1342
Blue gumbo- - - - -	50	1392
Black shale and shell-- -	11	1403
Gumbo - - - - -	7	1410
Green shale - - - - -	20	1430
Black shale and shell-- -	55	1485
Hard blue rock - - - - -	2	1487
Black shale - - - - -	20	1507
Rock - - - - -	2	1509
Black shale - - - - -	15	1524
Rock - - - - -	1	1525
Brown shale - - - - -	5	1530
Pipe clay - - - - -	10	1540
Hard rock - - - - -	1	1541
Brown shale - - - - -	3	1544
Blue rock - - - - -	2	1546
Blue shale - - - - -	4	1550
Iron pyrites- - - - -	1	1551
Brown shale - - - - -	5	1556
Rock - - - - -	1	1557
Sticky shale - - - - -	3	1560
Rock - - - - -	2	1562
Brown shale - - - - -	8	1570
Rock- - - - -	2	1572
Blue shale and boulders -	6	1578
Rock - - - - -	1	1579
Shale and boulders - - - -	11	1590
Hard black shale - - - - -	9	1599
Black shale and shell - -	22	1621
Water sand - - - - -		1621
CASING RECORD: 1620 feet		
2 1/2 - inch drill stem.		

Logs of test wells drilled by W. P. A. labor in Freestone County, Texas  
(Samples examined and classified by W. I. Clark, Project Superintendent.)

Well 7  
Flat, M. White tract, 13 $\frac{1}{2}$  miles north of Caldwell.

	Thickness (feet)	Depth (feet)
Black sandy gumbo - - - - -	5	5
White micaceous sand- - - - -	10	15
Tan sand with small ferruginous concretions - - - - -	1	16
Red sand - - - - -	2	18
Fine yellow sand - - - - -	7	25
Struck water at 25 feet.		
Water level 24.2 feet below top of ground, 12 hours after hole completed.		
Water sample collected. Nov. 27, 1936.		

Well 14  
Valley flat, F. F. Stubbs tract,  
H. E. Davis Survey, 12 $\frac{1}{2}$  miles north of  
Caldwell.

Sandy red clay - - - - -	2	2
Rust-colored sandy clay- - -	7	9
Brown gravelly sand- - - - -	1	10
Roddish-brown sand - - - - -	4	14
Rust-colored gravelly sand -	2 $\frac{1}{2}$	16 $\frac{1}{2}$
Struck water at 14 feet.		
Water level, 14 feet below top of ground, 1 hour after hole completed.		
Water sample collected. Sept. 1, 1936.		

Well 21  
Flat, Giles McDermott tract, C. H.  
Mathews Survey, 11 miles north of  
Caldwell.

Tan sand - - - - -	2	2
Red and gray sandy clay- - -	6	8
Yellow and gray hard silty sand - - - - -	15	23
Dark green glauconitic and fossiliferous shale- - - -	17	40
Hard green rock glauconite, and fossils - - - - -	1	41
Struck rock at 41 feet.		
No water sample collected. Dec. 15, 1936.		

Well 22  
Slope, J. Bowers tract, I. & G. N. R. R.  
Co. Survey, 10 miles north of Caldwell.

Fine tan surface sand- - - - -	1	1
Fine clay and dun-colored packed sand- - - - -	1	2
Red clay and glauconitic sand - - - - -	4	6
Fine gray sand with red and yellow nodules - - - - -	5	11
Fine white sand and white clay- - - - -	16	27
Fine yellowish-brown sand and chocolate-colored clay- - -	5	32
Brown sandy gumbo - - - - -	4	36

Well 22--continued  
Caving at 36 feet.  
No water sample collected. Dec. 31, 1936.

Well 32  
Slope, H. Hummel tract, R. W. Scott Survey,  
6 $\frac{1}{2}$  miles northeast of Caldwell.

	Thickness (feet)	Depth (feet)
Sandy soil - - - - -	2	2
Sandy yellow clay- - - - -	6	8
Brown shaly clay and yellow silt - - - - -	2	10
Sandy rust-colored clay- - - -	5	15
Dry white sand- - - - -	7	22
Gray sand and clay - - - - -	10	32
Fine gray sand- - - - -	17	49
Struck water at 49 feet.		
Water level, 45.9 feet below top of ground, 12 hours after hole completed.		
Water sample collected. Nov. 18, 1936.		

Well 45  
Slope, Mrs. E. B. Bell tract, Francisco  
Ruiz Survey, 3/4 mile north of Caldwell.

Fine silty sand- - - - -	3	3
Green and yellow silty clay with black spots- - - - -	3	6
Yellow and white streaked clay - - - - -	2	8
Coarse white sand- - - - -	1	9
Green and yellow sandy clay- -	2	11
Red sandy clay and iron ore gravel- - - - -	2	13
Red sandy iron ore gravel- - -	1	14
Struck water at 13 feet.		
Water level, 12.6 feet below top of ground, 4 hours after hole completed.		
Water sample collected. Oct. 8, 1936.		

Well 46  
Side of county road, W. I. Clark, Jr.  
tract, Francisco Ruiz Survey, 3/4 mile  
northwest of Caldwell.

Fine loose silty sand- - - - -	3	3
Sandy shale - - - - -	6	9
Coarse gray sand- - - - -	1	10
Yellow sandy shale- - - - -	2	12
Red sandy iron ore gravel- - -	1	13
Struck water at 13 feet.		
Water level, 12.1 feet below top of ground, 6 hours after hole completed.		
Water sample collected. Oct. 8, 1936.		

Well 49  
Hilltop, D. Rolan tract, Francisco Ruiz  
Survey, 1 3/4 miles north west of  
Caldwell.

Surface sand - - - - -	1	1
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Logs of Test Wells in Burlington County--Continued

Well 49--continued

	Thickness (feet)	Depth (feet)
Red sandy clay - - - - -	6	7
Hard rust-colored sand - - - - -	10	17
No water sample collected. Jan. 6, 1937.		

Well 50

Hilltop, D. Rolan tract, Francisco Ruiz Survey, 2 miles north west of Caldwell.

Red sandy clay - - - - -	5	5
Yellow, white, and red sand- - - - -	23	23
Fine yellow sand - - - - -	2	30
Struck water at 29 feet.		
Struck quicksand at 30 feet.		
Water level, 28.6 feet below top of ground, 10 hours after hole completed.		
Water sample collected. Jan. 6, 1937.		

Well 51

Slope, side of county road, J. B. Fox Survey, 2 3/4 miles north west of Caldwell.

Tan sand - - - - -	5	5
Yellow and tan sandy clay- -	17	22
Fine white sand- - - - -	10	32
Fine tan sand and white clay - - - - -	8	40
Yellow and red bedded sand--	2	42
Caving at 42 feet.		
No water sample collected. Dec. 11, 1936.		

Well 52

Flat, Bill Blaha tract, 3 1/4 miles northwest of Caldwell.

Fine tan sand - - - - -	5	5
Fine tan sand and red clay--	7	12
Fine tan sand- - - - -	8	20
Fine white sand- - - - -	8	28
Fine white sand and white clay - - - - -	8	36
Fine white sand- - - - -	6	42
Quick sand - - - - -		42
Struck quicksand at 42 feet.		
No water sample collected. Dec. 8, 1936.		

Well 53

Slope, Otto Berndt tract, J. B. Fox Survey, 3 miles northwest of Caldwell.

Fine white sand - - - - -	2	2
Yellow and brown hard sand - - - - -	8	10
Gray and yellow silty sand and clay- - - - -	32	42
Blue shale and sand- - - - -	4	46
Fine gray sand		
Struck water at 43 feet.		
Water level, 45.3 feet below top of ground, 10 hours after hole completed.		
Water sample collected. Nov. 17, 1936.		

Well 59

Gentle slope, Will Newcome tract, J. W. Morris Survey, 4 miles north of Caldwell.

	Thickness (feet)	Depth (feet)
White sand - - - - -	2	2
Red sand - - - - -	2	4
Hard white sand - - - - -	12	16
Caving at 16 feet.		
No water sample collected. Nov. 2, 1936.		

Well 69

Valley flat, side of county road, A. Thompson Survey, 8 miles northwest of Caldwell.

White sand - - - - -	4	4
Yellow sandy shale - - - - -	4	8
White sandy clay - - - - -	2	10
Yellow sandy clay- - - - -	7	17
Yellow clay and glauconite--	2	19
Dark red clay - - - - -	1	20
No water sample collected. Sept. 21, 1936.		

Well 72

Valley flat, side of county road, H. H. Goff Survey, 9 1/2 miles northwest of Caldwell.

Red sandy clay - - - - -	3	3
Green red, and yellow sandy clay - - - - -	11	14
White sand- - - - -	3	17
White and yellow sand- - - -	4	21
White quick sand- - - - -	1	22
Struck water at 21 feet.		
Struck quicksand at 22 feet.		
Water level, 21. feet below top of ground, 4 hours after hole completed.		
Water sample collected. Sept. 2, 1936.		

Well 73

Flat, side of county road, Jose M. Sencos Survey, 7 1/2 miles northwest of Caldwell.

White sand - - - - -	2	2
Sand and yellow clay - - - -	3	5
White and yellow sand- - - -	5	10
White quick sand - - - - -	1	11
Struck water at 9.5 feet.		
Caving at 11 feet.		
Water level, 9.5 feet below top of ground, 2 hours after hole completed.		
Water sample collected. Aug. 31, 1936.		

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

Well 79

Slope, side of county road, W. N. Lock Survey, 7 1/2 miles northwest of Caldwell.

	Thickness (feet)	Depth (feet)
Sandy soil - - - - -	2	2
Sandy yellow clay- - - - -	1	3
Hard red sandy clay- - - - -	4	7
Hard ferruginous sand and clay - - - - -	2	9
Soft tan sand- - - - -	4	13
Fine dry white packed sand--	8	21

Caving at 21 feet.  
No water sample collected. Sept. 4, 1936.

Well 96

Flat, side of county road, S. C. Robertson Survey, 7 1/2 miles west of Caldwell.

Fine white sand - - - - -	2	2
Brown sandy clay - - - - -	5	7
Hard gray sand and clay- - -	3	10
Ferruginous sand and clay- -	3	13
White sand - - - - -	3	16
Sandy shale with rust and sulphur-colored streaks- -	8	24
Brown sand and slaty shale -	3	27
Brown sand - - - - -	2	29
White micaceous- - - - -	7	56

Caving at 36 feet.  
No water sample collected. Sept. 3, 1936.

Well 104

Gentle slope, C. Harris tract, J. G. McKean Survey, 5 1/2 miles west of Caldwell.

Fine tan sand - - - - -	5	5
Yellow and red sandy clay- -	5	10
Tan sand - - - - -	1	11
Red sandy clay - - - - -	7	18
Red sand - - - - -	3	21

No water sample collected. Oct. 13, 1936.

Well 109

Slope, side of county road, S. E. Robertson Survey, 6 miles west of Caldwell.

Tan sand - - - - -	2	2
Hard rust-colored sand and clay - - - - -	9	11
Hard tan sand - - - - -	3	14
Loose white sand - - - - -	3	17
Hard tan sand - - - - -	1	18
Fine white loose sand- - - -	7	25
Loose rust-colored sand- - -	4	29
Loose gray sand - - - - -	9	38
Dark gray micaceous sand - -	16	54
Dark gray shale and sand - -	4	58

Caving at 58 feet.  
No water sample collected. Nov. 13, 1936.

Well 112

Gentle valley slope, side of county road, J. W. Porter Survey, 4 miles southwest of Caldwell.

	Thickness (feet)	Depth (feet)
Fine white silty sand - - -	2	2
Red and yellow sandy micaceous clay - - - - -	4	6

No water sample collected. Oct. 10, 1936.

Well 116

Ridgetop, Jud Hornsberry tract, west of highway in F. Smith Survey, near southeast limits and 1/2 mile from center of Caldwell.

Gray sandy clay - - - - -	3	3
Yellow clay - - - - -	1	4
Yellow shale and white rock - - - - -	1	5
Red iron rock and clay- - -	1	6
Yellow and tan clay- - - - -	7	13
Soft red iron rock- - - - -	1	14
Yellow and blue shale - - -	14	28
Sandy yellow fossiliferous shale - - - - -	7	35
White and yellow rock with fossils and glauconite- -	1	36
Shale and soft ferruginous rock - - - - -	1	37
Black fossiliferous shale with glauconite streaks -	19	56
Black fossiliferous shale and rock - - - - -	3	59
Hard gray rock - - - - -	1	60

Struck rock at 60 feet.  
No water sample collected. Oct. 14, 1936.

Well 117

Slope, John Ballard tract, F. Smith Survey, at east limits and 1 mile from center of Caldwell.

Green sandy clay - - - - -	5	3
Red chalky iron rock and green clay - - - - -	1	4
Chalky and sandy green and yellow shale - - - - -	4	8
Green shale - - - - -	2	10
Red iron rock- - - - -	1	11
Blue, green, and yellow shale - - - - -	10	21
Blue and yellow fossili- ferous shale - - - - -	11	32
Red iron ore gravel- - - - -	1	33

Struck water at 32 feet.  
Water level, 32 feet below top of ground, 6 hours after hole completed.  
Water sample collected. Oct. 30, 1936.

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

Well 118

Ridgetop, Fuller Cummings tract, F. Smith Survey, at limits 1 mile east of Caldwell.

	Thickness (feet)	Depth (feet)
Sandy soil - - - - -	1	1
Sandy yellow clay- - - - -	3	4
Yellow and blue stratified shale and sand- - - - -	10	14
Yellowish-green shale small concretions, and gypsum crystals - - - - -	8	22
Soft red chalky rock - - - - -	1	23
Yellowish-green shale, concretions, and gypsum crystals - - - - -	12	35
Shale and soft rock- - - - -	1	36
Bluish-black glauconitic shale - - - - -	6	42
Hard gray fossiliferous rock - - - - -	1	43
Fossiliferous sandy shale--	1	44
Rock - - - - -		44

Struck rock at 44 feet.  
No water sample collected. Oct. 29, 1936.

Well 119

Hillside, A. S. Brodas tract, S. Dickenson Survey, west of highway, 1 mile southeast of Caldwell.

Sandy red and yellow clay - - - - -	4	4
Gray and tan laminated shale and sand - - - - -	15	19
Chocolate-colored shale with sulphur-colored streaks - - - - -	13	32
Hard black glauconitic and fossiliferous shale- - - - -	12	44
Hard black shale and blue sand - - - - -	3	47
Hard black glauconitic and fossiliferous shale- - - - -	10	57
Hard grey fossiliferous rock - - - - -		57

Struck rock at 57 feet.  
No water sample collected. Dec. 7, 1936.

Well 124

Hilltop, M. Brodas tract, S. Dickenson Survey, 1 1/4 mile southeast of Caldwell.

Surface sand - - - - -	1	1
Sandy red clay - - - - -	2	3
Fine dun-colored packed sand - - - - -	8	11
Fine gray sand and red and yellow clay - - - - -	12	23
Red and gray clay and yellow silt - - - - -	2	25

Well 124-continued

	Thickness (feet)	Depth (feet)
Gray and black shale and gypsum - - - - -	24	49
Tough black glauconitic and fossiliferous shale - - - - -	20	69
Hard gray rock - - - - -		69

Struck rock at 69 feet.  
No water sample collected. Dec. 29, 1936.

Well 130

Slope, side of county road, J. Reed Survey, 6 miles southwest of Caldwell.

Fine tan sand - - - - -	2	2
Sandy red and white clay- - - - -	2	4
White and yellow stratified clay - - - - -	6	10
Fine loose white sand - - - - -	5	15
Fine white packed sand and clay - - - - -	3	18
Fine loose white and tan sand - - - - -	11	29
Fine white and yellow sand - - - - -	9	38
Fine gray quick sand - - - - -	1	39

Struck water at 37 feet.  
Struck quicksand at 39 feet.  
Water level, 37 feet below top of ground, 4 hours after hole completed.  
Water sample collected. Oct. 12, 1936.

Well 131

Slope, side of county road, J. Reed Survey, 6 miles southwest of Caldwell.

Fine sand - - - - -	2	2
Red sandy clay- - - - -	3	5
White and yellow stratified clay - - - - -	5	10

Struck rock at 10 feet.  
No water sample collected. Oct. 13, 1936.

Well 132

Slope, side of county road, J. H. Bowers Survey, 7 miles southwest of Caldwell.

Fine yellow sand - - - - -	7	7
Fine yellow sand and clay---	3	10
Fine sand with laminations of red and yellow clay-- - -	10	20
Fine yellow sand - - - - -	5	25
White sand and clay - - - - -	7	32
Yellow sand- - - - -	2	34
White sand- - - - -	12	46

Caving at 46 feet.  
No water sample collected. Nov. 16, 1936.

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

Well 140

Slope, side of county road, E. M. Cox Survey, 9 1/2 miles southwest of Caldwell.

	Thickness (feet)	Depth (feet)
Fine tan sand - - - - -	4	4
Sand with red clay streaks - - - - -	3	7
Tan sand - - - - -	4	11
Rust-colored sand - - - - -	1	12
White sand- - - - -	2	14
Sandy brown clay- - - - -	3	17
White sand- - - - -	3	20
Brown sand- - - - -	9	29
Fine gray quick sand- - - - -	2	31

Struck water at 31 feet.

Struck quick sand at 31 feet. Hole caved.

Water level, 31 feet below top of ground, hours after hole completed.

No water sample collected. Oct. 12, 1936.

Well 170

Hillside, Herman Priebe tract, E. Swearingen Survey, 3 1/4 miles south of Caldwell.

Sandy loam - - - - -	1	1
Sandy red clay - - - - -	2	3
Hard sand and red and yellow clay - - - - -	7	10
Chocolate-colored shale- - - - -	8	18
Black shale- - - - -	3	21
Black sandy shale- - - - -	9	30
Black fossiliferous sand- - - - -	3	33

Struck water at 30 feet.

Water level, 29.5 feet below top of ground, 6 hours after hole completed.

Water sample collected. Nov. 6, 1936.

Well 181

Slope, F. Surovik tract, F. Smith Survey, 3 miles east of Caldwell.

Sandy loam - - - - -	1	1
Red sandy clay - - - - -	2	3
Red and yellow sandy clay - - - - -	3	6
Hard yellow and gray sand - - - - -	10	16
Loose dun-colored sand - - - - -	5	21
Hard yellow sand - - - - -	3	24
Hard brown sand- - - - -	2	26
Fine gray sand and clay- - - - -	20	46
Hard gray rock - - - - -		46

Struck rock at 46 feet.

No water sample collected. Dec. 17, 1936.

Well 306

Valley flat, Lyons Estate, J. Perry Survey, 8 miles northwest of Somerville.

	Thickness (feet)	Depth (feet)
Black loam - - - - -	1	1
Green and brown clay - - - - -	5	6
Sandy green and yellow clay - - - - -	5	11
White sand - - - - -	1	12

Struck water at 11 feet.

Water level, 10.2 feet below top of ground, 6 hours after hole completed.

Water sample collected. Dec. 16, 1936.

Well 320

Gentle slope, side of county road, 4 3/4 miles northeast of Somerville.

Tan sand - - - - -	1	1
Gray white ashy sand and streaked red clay - - - - -	8	9
Fine white packed sand - - - - -	12	21
Soft yellow sandstone- - - - -	1	22
Soft white and red sand- stone - - - - -	2	24
Soft white and yellow sandstone - - - - -	10	34
Slaty sandstone with carbonaceous spots - - - - -	6	40

Struck rock at 40 feet.

No water sample collected.

Dec. 14, 1936.

Well 339

Slope, George Smith tract, C. H. Bennett Survey, 9 miles north of Somerville.

Sandy loam - - - - -	2	2
White ashy clay- - - - -	5	7
Sandy ashy clay- - - - -	3	10
Sandy chocolate-colored clay and yellow silt- - - - -	13	23
Sandy chocolate-colored clay - - - - -	9	32
Blue shale - - - - -	2	34

No water sample collected.

Nov. 5, 1936.

Partial analyses of water from wells in Burleson 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 records.)

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calculated)
2	J.W. Porter	950	Nov.27,1936	227	30	7	46	153	50	19	105
3	do.	Spring	do.	724	180	16	71	415	77	176	515
4	Jackson Griggs	do.	do.	437	-	-	-	268	35	107	-
5	Aetna Life Ins. Co.	700	do.	344	8	2	122	207	81	29	31
6	Jackson Griggs	34	do.	1,029	-	-	-	293	116	400	-
7	W.P.A. test well	25	do.	8,010	-	-	-	464	1,412	3,600	-
8	Federal Land Bank	52	Sept.21,1936	754	-	-	-	98	106	335	-
9	Lizzie Porter	20	do.	2,174	94	99	540	238	303	925	641
10	H. Haines	500	do.	415	7	2	150	244	106	30	27
11	H.K. Hornsbury	50	do.	173	29	11	24	122	a/	49	117
12	Burleson County Spring		do.	101	-	-	-	24	20	34	-
13	Jim Stubbs	16	Sept.1, 1936	192	31	4	42	165	a/	34	92
14	W.P.A. test well	16	do.	97	-	-	-	98	a/	11	-
15	Annie M. Jennings	58	do.	373	22	16	84	6	142	106	120
16	Cecil Porter	Spring	Dec.15,1936	46	-	-	-	18	a/	20	-
17	do.	do.	Sept.1,1936	30	2	6	1	24	a/	9	31
18	V.J. Sparks	15	do.	82	-	-	-	49	a/	27	-
19	Giles McDermott	Spring	Dec.15,1936	60	5	1	14	12	24	10	17
20	G.A. McDermott	do.	do.	44	-	-	-	31	a/	12	-
23	Federal Land Bank	20	Sept.1,1936	362	-	-	-	305	35	40	-
24	C.A. Baines	54	Nov.23,1936	587	-	-	-	122	51	265	-
25	J.F. Keller	66	Sept.2,1936	1,269	209	62	100	-	723	175	778
26	R.M. Moorman	42	do.	353	24	27	71	232	79	38	171
27	Jim Woodson	37	do.	1,404	-	-	-	61	779	160	-
28	Ed. Williams Est.	62	Oct.21,1936	843	-	-	-	183	335	140	-
29	Wm. Havarak	16	Sept.21,1936	2,695	252	139	457	31	1,122	710	1,201
30	Mary Teal	24	Nov. 2,1936	1,736	282	1	250	-	953	250	711
31	Joe Gibson	Spring	Nov.18,1936	1,554	48	58	421	-	457	570	361
32	W.P.A. test well	49	do.	332	-	-	-	12	101	102	-
33	Woodson Lumber Co.	77	Nov. 2,1936	944	139	44	78	-	559	124	527

a/ Sulphate less than 10 parts per million.



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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calculated)
34	J.L. Lightsey	36	Sept. 23, 1936	571	-	-	-	171	110	176	-
35	A.G. Noack	38	Sept. 21, 1936	447	-	-	-	85	28	216	-
36	Joe T. Mikeska	52	do.	697	-	-	-	104	244	170	-
37	Frank Kubin	124	do.	2,728	338	216	226	250	1,500	325	1,734
38	D.J. Hanacik	315	Sept. 19, 1936	112	14	9	18	79	a/	32	70
39	Alan Bowers	23	Sept. 18, 1936	2,498	301	133	346	-	988	730	1,297
40	John Mrnustik	37	Sept. 19, 1936	698	-	-	-	293	63	236	-
41	Alan Bowers	15	Sept. 18, 1936	566	-	-	-	165	154	136	-
42	City of Caldwell	160	Sept. 25, 1933	68	4	6	15	43	a/	22	34
43	do.	300	do.	89	7	5	22	67	a/	22	38
44	J.E. Porter	16	Oct. 8, 1936	1,442	-	-	-	12	768	220	-
45	W.P.A. test well	14	do.	4,205	368	136	896	79	1,456	1,310	1,479
46	do.	13	do.	3,746	-	-	-	6	1,185	1,320	-
47	Joe Souruick	Spring	Oct. 6, 1936	51	-	-	-	24	a/	20	-
48	Otto Berndt	45	Nov. 13, 1936	114	-	-	-	79	20	13	-
50	W.P.A. test well	30	Jan. 6, 1936	553	-	-	-	37	151	198	-
53	do.	48	Nov. 17, 1936	1,263	-	-	-	12	708	160	-
54	R. Struwe	Spring	Oct. 26, 1936	109	-	-	-	92	a/	22	-
55	Peter Womack	24	Sept. 12, 1936	103	-	-	-	49	a/	40	-
56	Frank Hckalopka	32	Sept. 19, 1936	931	-	-	-	12	213	396	-
57	do.	Spring	do.	110	-	-	-	61	16	24	-
58	Rebecca Price	28	Oct. 21, 1936	155	2	9	46	110	28	16	40
60	Henry Jackson	22	Sept. 2, 1936	82	-	-	-	37	a/	33	-
61	J. Lonzo	Spring	Jan. 4, 1936	34	-	-	-	18	a/	12	-
62	B. Risse	do.	do.	74	-	-	-	18	24	16	-
63	D.F. Delameter	do.	Oct. 21, 1936	115	-	-	-	79	a/	32	-
64	do.	do.	do.	83	10	-	18	37	16	13	26
65	Caldwell Fishing Club	227	do.	194	30	16	24	183	16	18	140
66	do.	27	do.	53	2	9	7	49	a/	11	40
67	Edgar Simpson	9	do.	108	-	-	-	31	a/	53	-
68	G.I. Perkins	do.	Sept. 16, 1936	95	-	-	-	61	a/	29	-
70	J.P. Winkler	17	Sept. 11, 1936	67	-	-	-	31	a/	27	-
71	A.R. Richardson	58	Sept. 2, 1936	124	-	-	-	43	20	39	-

a/ Sulphate loss than 10 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calculated)
72	W.P.A. test well	22	Sept.2,1936	197	-	-	-	220	a/	11	-
73	do.	11	Aug.31,1936	45	-	-	-	24	a/	16	-
74	Hattie Greer	27	Sept.4,1936	440	-	-	-	24	173	112	-
75	L.O. Kornegay	90	do.	246	-	-	-	159	a/	74	-
76	Joe Adamek	48	Oct. 1,1936	459	-	-	-	177	165	61	-
78	L.H. Guick	49	Sept.11,1936	522	64	46	74	464	67	43	349
80	Baskin School	40	Sept. 4,1936	59	-	-	-	18	20	10	-
81	S.M. Segler	23	do.	425	76	16	52	153	130	76	255
82	Mrs. F.A. Mauldin	29	do.	153	-	-	-	85	a/	53	-
83	D.H. Hornsby	18	do.	240	-	-	-	268	a/	13	-
86	C.R. Sprose	21	Nov.15,1936	1,562	-	-	-	73	354	640	-
87	J.E. Dyer	31	Sept.3,1936	235	-	-	-	85	79	34	-
88	F.A. Willard	16	do.	480	-	-	-	171	67	157	-
89	Webb Price	42	Sept.22,1936	570	68	15	111	12	170	200	229
90	R.C. Ryan	48	Sept. 3,1936	928	234	-	90	128	236	305	585
91	C.S. Perry	27	Oct. 9,1936	443	-	-	-	128	71	152	-
92	P.R. Odstricil	35	Sept.3,1936	130	-	-	-	12	43	38	-
93	Pete Odstricil	30	Oct. 9,1936	184	-	-	-	110	39	25	-
94	V.D. Floyd	48	Sept. 3,1936	234	-	-	-	79	55	58	-
95	- Johnson	27	Sept.15,1936	266	-	-	-	281	a/	23	-
97	L.R. Buffington	38	Oct. 9,1936	75	-	-	-	67	a/	13	-
98	Jos. Janicek	36	Sept.15,1936	97	-	-	-	61	a/	30	-
99	Mrs. A.B. James	30	Oct. 9,1936	357	-	-	-	159	79	74	-
100	R.S. Bowers	Spring	do.	46	3	4	10	24	a/	17	22
101	do.	do.	Oct. 8,1936	43	-	-	-	24	a/	15	-
102	J.R. Bent	85	Sept.12,1936	183	26	16	20	24	a/	109	130
103	Walter Koehler	Spring	Aug.26,1936	38	-	-	-	18	a/	15	-
105	Ethel Hensloe	39	Sept.12,1936	91	-	-	-	43	a/	36	-
106	H.M. McMillan	36	Sept.22,1936	249	-	-	-	18	114	46	-
107	Vince Urban	25	Nov.16,1936	1,326	-	-	-	262	541	220	-
108	Mose Pierce	Spring	Sept.22,1936	42	5	4	7	37	a/	8	27
110	Henry Townsend	46	Oct.10,1936	486	-	-	-	98	a/	260	-
111	C.C. Nelms	47	do.	358	18	9	95	37	138	80	80
113	J.C. Windell	92	Sept.25,1936	581	59	51	80	293	157	90	357

a/ Sulphate less than 10 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calculated)
114	Joe Veiss	20	Oct. 8, 1936	282	44	9	52	195	47	34	145
115	G. C. & S. F. RY. Co.	351	Sept. 25, 1936	70	7	5	14	49	a/	20	38
117	W.P.A. test well	33	Oct. 30, 1936	3,079	-	-	-	256	811	1,100	-
120	J.R. Simpson	18	Dec. 4, 1936	360	-	-	-	171	43	102	-
121	L.B. Dowell	19	do.	238	-	-	-	122	27	64	-
122	A.S. Broadas	Spring	Dec. 12, 1936	129	-	-	-	55	24	32	-
123	Gordon Shanklen	12	Oct. 14, 1936	158	-	-	-	98	35	18	-
125	C. Cromady	32	Nov. 6, 1936	774	-	-	-	159	173	255	-
126	J. Janacek	49	Oct. 1, 1936	1,374	-	-	-	85	567	320	-
127	A.C. Windell	79	do.	892	-	-	-	268	331	130	-
128	John Pivonka	270	do.	1,029	84	97	132	110	347	315	610
129	J.J. Jurcak	58	Oct. 13, 1936	1,808	-	-	-	104	433	710	-
130	W.P.A. test well	39	do.	160	-	-	-	98	20	33	-
133	J.J. Holik	50	Oct. 15, 1936	7,536	-	-	-	85	933	4,060	-
134	M.E. Brymer	50	Sept. 22, 1936	216	35	19	24	189	a/	45	167
135	Chas. Adamwate	25	Nov. 16, 1936	473	-	-	-	232	74	114	-
136	Sunnyside School	28	do.	320	-	-	-	360	a/	16	-
137	S.C. Blahah	66	do.	1,081	-	-	-	384	143	360	-
139	John Harrison	29	Oct. 12, 1936	412	-	-	-	92	165	66	-
141	Henry Mitchell	80	Sept. 22, 1936	109	7	5	27	61	24	16	38
142	Olivia Parker	55	Oct. 12, 1936	469	-	-	-	12	130	176	-
143	Rufe Coleman	Spring	do.	4,968	413	265	734	-	1,300	2,070	2,123
144	- Karnes	25	do.	230	-	-	-	159	28	39	-
145	Rufus Coleman	30	do.	5,449	-	637	-	-	3,542	550	-
146	Dick Fisher	21	do.	244	13	11	62	6	39	116	77
147	Frank Krall	33	Oct. 15, 1936	1,572	-	-	-	55	283	720	-
148	John M. Paukrat	59	do.	1,071	191	4	169	85	405	260	492
149	Hugo Doerr	108	Nov. 12, 1936	2,871	296	146	430	67	1,496	470	1,340
150	Mrs. C. Kocurec	56	do.	2,229	-	-	-	-	1,110	420	-
151	Mrs. L.N. Dean	37	do.	949	77	28	181	189	260	196	307
152	H.A. Benn	54	do.	291	28	9	67	85	59	86	105
153	R.O. Flippin	88	do.	866	-	-	-	299	185	230	-
155	Jim Harvey	108	Dec. 11, 1936	731	-	-	-	134	47	355	-

a/ Sulphate less than 10 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na & K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calculated)
156	Otto Meir	61	-	3,687	426	90	724	-	1,027	1,420	1,436
157	John Machousky	34	Sept. 24, 1936	419	-	-	-	189	63	112	-
159	G.A. Walman	22	Nov. 6, 1936	2,459	-	-	-	128	1,472	172	-
160	Gus Eberhardt	95	Dec. 11, 1936	276	19	11	68	85	58	78	92
161	Gus Brinkman	420	do.	215	28	10	36	85	58	41	111
162	Frank Kubelka	150	Oct. 13, 1936	1,481	202	56	227	110	512	430	735
163	do.	149	do.	1,019	74	40	220	98	409	226	350
164	Otto Holvig	630	Dec. 11, 1936	919	127	29	141	61	380	212	438
165	John Gerdas	135	Oct. 12, 1936	759	70	41	136	134	234	182	346
166	do.	94	do.	3,865	-	-	-	153	1,515	1,020	-
167	E.D. Ahams	430	do.	227	33	11	38	134	35	44	127
168	Martin Hlavaty	277	Oct. 1, 1936	353	26	15	76	140	87	60	124
169	--	18	Nov. 6, 1936	4,663	-	-	-	287	1,937	1,080	-
170	V.P.A. test well	33	do.	2,428	314	112	364	366	868	590	1,244
171	W.A. Mercer	48	do.	5,591	542	408	-	-	3,857	180	3,034
172	Bethel Rogers	70	do.	1,628	140	49	356	317	661	266	550
173	J. Hudec	82	Oct. 14, 1936	1,296	-	-	-	85	203	600	-
174	H.A. Duncan	43	do.	1,352	-	-	-	67	165	680	-
176	O. Windle	54	do.	1,329	-	-	-	73	394	455	-
177	Jess Garrett	30	Sept. 24, 1936	1,964	345	69	144	-	1,200	206	1,148
178	Simpson Grocery Co.	17	Oct. 14, 1936	469	41	30	77	37	138	162	234
179	do.	Spring	Sept. 24, 1936	172	25	11	23	49	24	65	107
180	do.	56	Oct. 14, 1936	891	94	39	164	299	335	112	394
182	Novack & Dubeak	117	Sept. 19, 1936	304	24	7	87	226	31	44	90
183	Walter Macat	35	Sept. 23, 1936	574	-	-	-	110	110	210	-
184	W.F. Newcome	49	Dec. 17, 1936	1,436	-	-	-	49	378	550	-
185	Zolph Newcomb	95	Nov. 13, 1936	278	38	15	45	79	35	106	154
186	Adolph Gold	64	do.	1,652	309	77	197	268	67	870	1,087
187	Grady Ryan	240	do.	284	23	11	73	128	16	98	102
188	do.	92	do.	700	110	26	116	165	47	320	381
189	Dewitt Calvin	26	do.	1,247	-	-	-	354	146	480	-
190	John P. Marek	70	Dec. 17, 1936	898	-	-	-	140	442	100	-
191	Vince Hejl	58	do.	2,196	327	74	342	122	533	860	1,122
192	Jack Henderson	79	Nov. 17, 1936	655	38	16	182	293	197	78	160
193	Rex Plimper	42	do.	640	-	-	-	256	54	226	-

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calculated)
194	F. Marek	1,920	Jan. 8, 1936	1,155	7	2	597	1,049	8	325	27
195	do.	1,560	do.	988	1	2	386	683	218	45	12
197	Adolph Marek	115	Sept. 23, 1936	1,687	116	31	454	220	413	565	419
199	Old Bethlem School	25	do.	457	-	-	-	281	28	120	-
200	W.H. Oliver	800	Nov. 20, 1936	175	5	2	66	165	a/	21	21
201	do.	940	do.	172	3	2	67	171	a/	16	17
202	Bill Oliver	700	do.	200	1	4	75	159	27	15	17
203	J.M. Fountain	992	Sept. 23, 1936	965	7	5	359	586	252	54	38
204	do.	660	do.	233	14	1	83	244	a/	15	41
206	Chas. Camposi	500	Dec. 17, 1936	200	-	1	80	159	23	18	6
207	Mrs. R.L.D. Knight	500	do.	399	-	-	-	348	35	41	-
208	do.	500	do.	311	-	-	-	256	27	40	-
209	Jas. Carmode	550	do.	1,351	7	12	457	464	591	56	68
210	Webb Howell	800	Nov. 20, 1936	435	-	-	-	323	96	22	-
301	Vince Ofclarzak	71	Nov. 12, 1936	70	-	-	-	31	a/	29	-
302	John Shoppe	87	do.	659	72	33	129	98	47	330	315
303	F.O. Weichert	107	do.	121	-	-	-	98	a/	26	-
305	E.B. Jones	91	Oct. 14, 1936	614	54	22	138	98	102	250	238
306	W.P.A. test well	12	Dec. 16, 1936	9,710	-	-	-	586	1,934	4,150	-
307	C.C. Martin	25	Sept. 24, 1936	101	20	6	12	98	a/	15	74
308	J.J. Nix	27	Oct. 22, 1936	931	-	-	-	183	295	232	-
309	Mrs. Lee Woods	140	do.	1,800	60	22	582	140	307	760	239
310	Geo. Shelfer	120	Sept. 24, 1936	1,100	174	18	209	220	126	465	511
311	Herman Witte	83	do.	5,094	542	23	1,208	323	1,752	1,410	1,449
312	--	17	Oct. 22, 1936	4,995	-	-	-	165	1,732	1,540	-
313	John Parker	37	do.	1,263	-	-	-	183	598	170	-
314	F.F. Snyder	77	Jan. 5, 1936	1,896	-	-	-	140	374	800	-
315	Gulf Coast Util- ities	198	do.	1,730	63	4	599	500	243	575	172
316	G. C. & S. F. Ry. Co.	825	do.	1,684	21	2	643	634	151	555	62
317	Bob Brantley	10	Sept. 24, 1936	568	-	-	-	146	157	144	-
321	J.H. Baker	Spring	Dec. 16, 1936	64	-	-	-	24	20	10	-
323	Burleson County	do.	Dec. 21, 1936	256	5	4	94	55	16	110	27
324	J.C. Patrick	do.	do.	285	34	9	59	37	39	126	120

a/ Sulphate less than 10 parts per million.

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

Results are in parts per million.

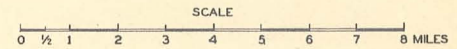
Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calculated)
325	Town of Clay	24	Dec.21,1936	153	-	-	-	43	8	68	-
326	G. C. & S. F. Ry.Co.		do.	1,235	-	-	-	702	8	415	-
327	Robert Kemp	25	do.	1,317	73	51	359	756	270	192	392
330	Farmers Nat'l.Bank	20	do.	399	-	-	-	293	58	49	-
331	F.J. Foyt	1,032	Dec.14,1936	4,040	26	4	1,602	1,342	8	1,740	80
332	H.P. Drought	16	do.	201	46	15	4	79	54	43	174
333	G. Hinton	35	do.	921	-	-	-	305	326	134	-
334	Joe Baker	54	do.	1,163	-	-	-	134	390	320	-
336	J. Bravak	38	Dec.21,1936	1,099	121	13	246	220	403	208	358
337	John Gunek	31	Dec. 5,1936	877	-	-	-	317	110	295	-
338	A.V. Wincher	102	do.	2,617	307	44	553	214	1,063	545	847
340	Mrs. J.H. Kozar	28	do.	165	-	-	-	177	a/	13	-
341	R.R. & J.C. Wincher	73	do.	508	100	16	64	49	39	265	315
342	Frank Orsaj	32	do.	394	-	-	-	348	a/	70	-
343	Frank J. Fojt	1,267	Nov.17,1936	1,497	6	-	633	1,440	a/	150	15
344	do.	1,620	Nov. 5,1936	347	-	-	-	262	51	38	-
346	Martin Scarborough	30	Nov.17,1936	1,060	-	-	-	348	128	380	-
347	Holley Wilson	74	Dec.17,1936	222	-	-	-	73	27	79	-
348	J.F. Elsik	890	Nov.17,1936	234	5	1	86	171	42	16	16
349	B.H. Dewey	980	Nov.20,1936	316	1	2	125	244	35	33	12
350	do.	750	do.	1,354	12	-	523	647	181	320	30
351	do.	750	do.	1,318	11	2	507	659	189	285	36

a/ Sulphate less than 10 parts per million.



# MAP OF BURLESON COUNTY, TEXAS

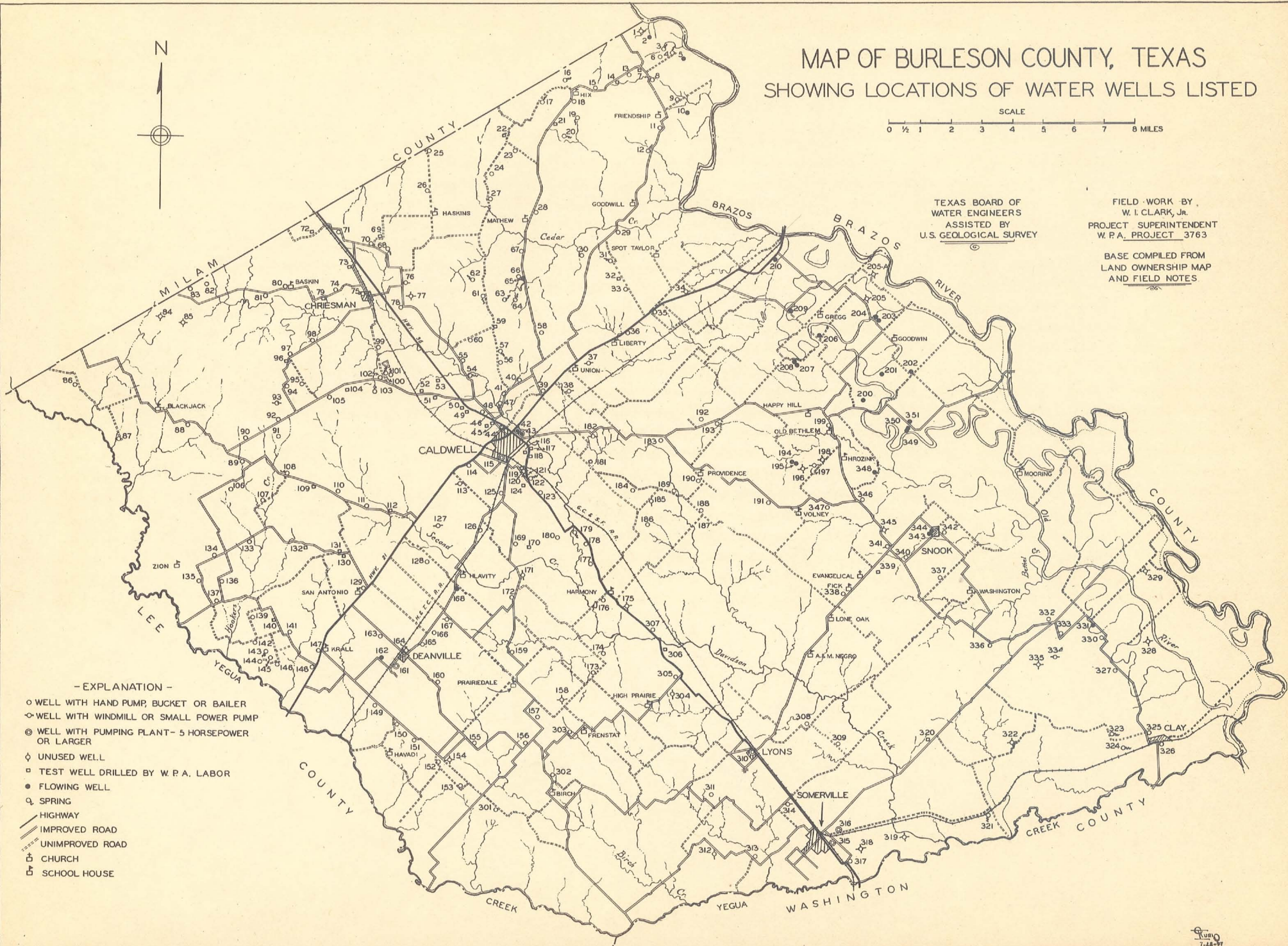
## SHOWING LOCATIONS OF WATER WELLS LISTED



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

FIELD WORK BY  
W. I. CLARK, JR.  
PROJECT SUPERINTENDENT  
W. P. A. PROJECT 3763

BASE COMPILED FROM  
LAND OWNERSHIP MAP  
AND FIELD NOTES



- EXPLANATION -

- WELL WITH HAND PUMP, BUCKET OR BAILER
- ◐ WELL WITH WINDMILL OR SMALL POWER PUMP
- ⊙ WELL WITH PUMPING PLANT - 5 HORSEPOWER OR LARGER
- ◇ UNUSED WELL
- TEST WELL DRILLED BY W. P. A. LABOR
- FLOWING WELL
- ⊕ SPRING
- HIGHWAY
- IMPROVED ROAD
- UNIMPROVED ROAD
- ⊕ CHURCH
- ⊕ SCHOOL HOUSE