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COLORADO COUNTY, TEXAS

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

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WORKS PROGRESS ADMINISTRATION

GROUND-WATER SURVEY

PROJECT 5683

R. E. May,  
Project Superintendent

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

\* \* \*

Sponsored by the State Board of Water Engineers with  
the Bureau of Industrial Chemistry of The University  
of Texas and the United States Department of the In-  
terior, Geological Survey, cooperating.

\* \* \*

Austin, Texas  
Mar. 12, 1938

COLORADO COUNTY, TEXAS

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

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

This project was part of a statewide Works Progress Administration project known as a "Statewide Inventory of Water Wells," sponsored by the State Board of Water Engineers. The Division of Ground Water of the Geological Survey, United States Department of the Interior, 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 above mentioned cooperating parties. Typists employed on this project typed and assembled this release.

The field work in Colorado County was started on April 1, 1937, and completed September 14, 1937. This work was done as Project 5683 of Administrative Field Office 6 of the Works Progress Administration, Houston, Texas. R. E. May, an engineer, was project superintendent. Mr. May should be given credit for his interest in the work and for the many extra hours he spent on the project. The Houston office of the Works Progress Administration made this work possible by their constant help and cooperation.

This release contains the well and spring records and well logs obtained by the project superintendent, logs of 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 Colorado County, Texas  
 (All wells are drilled unless otherwise noted in "Remarks" column.)  
 (See "Logs of T. F. A. test wells" for all records of test wells.)

No.	Distance from Columbus	Survey	Owner	Driller	Topographic situation	Temperature (°F.)	Date completed	Depth of well (ft.)	Diameter of well (in.)
1	15½ miles north	B. F. McMillen	J. Geistman	J. Geistman	Gentle slope	67	1934	65	1½
2	do.	F. E. Mueller	Otto Heinsohn	Walter Rinn	do.	69	1933	32	6
3	15 miles north	D. Cooper	J. A. Mayer	do.	do.	68	1925	64	2
4	14½ miles north	Jno. Andrews	Thomas Schmidt	H. Braden	do.	69	1900	40	24
5	do.	Howard McElroy	do.	--	do.	70	1915	51	2
6	13 miles north	do.	J. Tasterok	--	do.	69	--	55	3
7	do.	Wm. Hudgeons	Willie Waddle	Walter Rinn	do.	69	1925	56	3
8	12 miles north	H. Krey	J. Tasterok	H. Braden	do.	69	1929	65	1½
9	11½ miles north	W. Madham	Wm. Oppermann	--	do.	67	1920	50	1½
10	11 miles north	James Cummins	Leo Brokmeyer	Ben Mueller	Hill-side	70	1912	33	20
11	12 miles north	do.	Frank Kuhlanek	--	Gentle slope	69	--	--	1½
12	13 miles north	Martin Lacy	H. Gully	H. Braden	do.	72	1920	42	1½
13	11½ miles northwest	Joseph Ehlinger	John Jasek	Walter Rinn	do.	68	1925	74	3
14	11 miles northwest	Barnard Snider	Lewis Prohada	F. Kubena	Hill-side	69	1925	79	4
15	11½ miles northwest	Wm. T. Townsend	R. A. Surcock	--	do.	69	1908	70	30
16	do.	Joseph Duty	W. A. Woelshoer	--	Gentle slope	69	1901	90	2
17	10 miles northwest	G. Gilder	Leo Warlandt	F. Kubena	do.	70	1925	62	1½
18	7½ miles northwest	Chas. Geiseike	Chas. Geiseike	Walter Rinn	do.	69	1926	61	3
19	10 miles northwest	H. H. Oates	Joe Mahalek	Joe Mahalek	Creek bottoms	71	1921	29	30
20	9½ miles north	Erasmus Jones	Henry Paasch	--	Gentle slope	69	1912	54	3
21	9 miles north	F. A. Zimmerschild	Walter Fehrenkamp	--	do.	70	1801	62	30
22	11 miles north	Robt. W. Tobin	Paul Ulrich	--	do.	67	1906	40	30
23	10½ miles northeast	James Nelson	Mrs. Freda Kaufman	--	do.	69	1912	60	48

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

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

Records obtained by R. E. May, Project Superintendent  
 (Chemical analyses of water from these wells and springs are in the table of analyses.)

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Remarks
		Depth below measuring point (ft.)	Date of measurement			
1	0.5	29	d/	C,G, 1½	D,S	Driven well. Galvanized pipe, top to bottom. Water reported in sand, 62 to 66 feet.
2	1.3	12.1	May 20, 1937	C,W	D,S,I	Iron casing, top to bottom. Irrigates small garden. Strong supply reported in sand.
3	--	31	d/	C,W,H	D,S	Dug well., 0 to 34 feet; drilled well, 34 to 64 feet. Iron casing, top to bottom. Water reported in gravel, 60 to 64 feet.
4	1.1	21.1	May 20, 1937	C,W	D,S	Dug well. reported in gravel, 60 to 64 feet. Tile-lined brick curb and casing. Strong supply reported in sand, 36 to 40 feet.
5	0.6	21	d/	C,W,H	D,S	Bored well. Iron casing, top to bottom. Reported failed during drought. Water reported in sand, 42 to 52 feet.
6	1	20	d/	C,G, 1½	D,S	Iron casing, reported in sand, 42 to 52 feet. top to bottom. Strong supply reported in gravel.
7	1.8	29.6	May 22, 1937	C,G,S	D,S,I	Galvanized casing, top to bottom. Irrigates small orchard. Strong supply reported in gravel.
8	1.6	32	d/	C,H	D	Driven well. Galvanized pipe, top to bottom. Water reported in sand, 60 to 64 feet.
9	0.1	22	d/	C,W,H	D,S,I	Driven well. Galvanized pipe, top to bottom. Irrigates small garden. Water reported in sand, 46 to 50 feet.
10	0.7	19.7	Apr. 29, 1937	C,G, 1½	D,S	Dug well. Clay tile curb and casing. Strong supply reported in sand, 46 to 50 feet.
11	--	--	--	C,W	S	Driven well. clay and sand, 30 to 40 feet. Galvanized pipe. Reported strong supply.
12	1.5	21	d/	C,H	D	Do.
13	0.6	39	d/	C,G, 1½	D,S	Galvanized casing, top to bottom. Strong supply reported in gravel and sand, 70 to 75 feet.
14	3.1	57.6	May 14, 1937	C,W	D,S	Galvanized casing, top to bottom. Water reported in gravel, 75 to 80 feet.
15	2.3	39.6	May 12, 1937	B,H	D,S	Dug well. Clay tile casing, 0 to 7 feet. Strong supply reported in gravel, 65 to 70 feet.
16	0.9	40	d/	C,W,H	D,S	Iron casing. Water reported in sand, feet.
17	1.2	38	d/	C,H	D,S	Driven well. Galvanized pipe, top to bottom. Weak supply reported in gravel, 58 to 62 feet.
18	1.1	30	d/	C,W,H	D,S	Galvanized casing, top to bottom. Weak supply reported in sand, 57 to 61 feet.
19	1.9	16.4	May 14, 1937	B,H	D,S	Dug well. Brick curb and casing. Strong supply reported in sand, 25 to 30 feet.
20	0.1	34	d/	C,W	D,S	Concrete curb; iron casing. Water reported in sand, 50 to 56 feet.
21	0.5	41.8	Apr. 29, 1937	C,W,H	D,S	Dug well. Brick curb and casing. Strong supply reported in sand, 60 to 65 feet.
22	2.6	16.7	May 22, 1937	C,W,& B,H	D,S,I	Dug well. Stone curb and casing. Irrigates small garden. Water reported in sand, 37 to 40 feet.
23	1.9	31.7	do.	B,H	D,S	Dug well. Stone curb and casing. Water reported in sand rock, 58 to 60 feet.

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

d/ Water level reported.

e/ No water sample collected for analysis.

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

No.	Distance from Columbus	Survey	Owner	Driller	Topographic situation	Temperature (°F.)	Date completed	Depth of well (ft.)	Diameter of well (in.)
24	10 miles north	Barnard Sherrer	Sealy Loan Bank	W. Ernde	Gentl. slope	68	1936	71	1
25	8 1/2 miles north	Peter Piper	Paul Kurich	Walter Rinn	do.	68	1936	97	2
26	do.	John Hall	Gallic S. McGee	--	do.	69	1914	51	30
27	7 1/2 miles northeast	T. Panson	J. L. Lichahn	W. Ernde	Filler-top	69	1921	96	4
28	do.	Lutwick Mackerly	Jacob Ernden	do.	Gentle slope	70	1933	90	4
29	10 miles northeast	Refugio Arso	S. Uhlig	--	do.	69	1938	47	4
30	10 1/2 miles northeast	do.	C. C. Uhlig	W. Ernden	Rolling	69	1938	64	1
31	12 miles northeast	Jno. Martin	Ernest Fuback	do.	do.	69	1924	37	3
e/32	13 miles northeast	Chas. Amster	-- Sons	The Texas Co.	--	--	1929	1,431	3
33	13 1/2 miles northeast	do.	C. Virus	--	Gentle slope	68	1905	62	5
34	15 miles east	L. S. von Pooder	Otto Sons	Geo. Seymour	Fill-top	69	1925	76	4
35	11 1/2 miles northeast	F. Rothmeyer	F. Rothmeyer Jr.	F. Rothmeyer Sr.	Gentle slope	69	1926	80	3
36	10 miles northeast	Casper Holman	C. A. Ernden	Geo. Seymour	Flat	69	1924	48	1
37	9 miles northeast	J. W. Martin	Wm. Frazier	do.	Fill-top	69	1926	90	1 1/2
38	7 1/2 miles northeast	Jno. W. Oden	J. Ritter	W. Ernden	Rolling	70	1933	76	4
39	6 miles east	John McCrosky	W. Polmer	Geo. Seymour	Fill-side	71	1904	92	4
40	6 miles northeast	Jno. W. Punton	W. J. Ernden	--	Gentle slope	67	--	110	3
41	5 1/2 miles northeast	James R. Honeycutt	Thos. Hoyt	--	Flat	71	1891	76	30
42	4 1/2 miles northeast	Jas. Cornett	G. W. Seymour	G. W. Seymour	do.	--	1929	74	3
43	4 miles northeast	Leander Reason	Ben Harstener	--	do.	70	1913	58	2 1/2
44	5 1/2 miles northeast	Richard Owens	Edwin Berger	W. Ernden	Gentle slope	70	1924	61	1
45	3 1/2 miles northeast	James Cummins	Magnolia Pipe Line Co.	Magnolia Pipe Line Co.	Flat	66	1925	303	1
46	3 miles north	do.	Chas. Rau	John R. Franka	Creek bottoms	69	1936	53	4
48	3 1/2 miles north	do.	A. W. Rau	--	Gentle slope	70	1890	19	30
50	3 1/2 miles northwest	J. Tumlinson	J. Schoebel	F. Kubena	do.	69	1925	47	4
51	5 1/2 miles northwest	Peyton Solne	Eliza Medina	Jose Medina	Gentle slope	71	1924	47	36

## R.E. May, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Remarks
		Depth below measuring point (ft.)	Date of measurement			
24	0.2	31	d/	C, W	D, S, I	Dug well, 0 to 41 feet; driven well, 41 to 71 feet. Concrete curb; galvanized casing, top to bottom. Water reported in gravel and
25	0.7	39	May 22, 1937	C, G, 1 1/2	D, S	Iron casing, top to sand, 68 to 72 feet. bottom. Strong supply reported in gravel,
26	2.7	26.7	May 24, 1937	B, H	D, S	Dug well. Brick curb and casing. Irrigates small garden. Water reported in sand 50 to 54 feet. 92 to 100 feet.
27	0.8	39.2	do.	C, W, F	D, S	Iron casing, top to bottom. Reported 6 feet drawdown after pumping 2 gallons a minute for 25 hours. Water reported from rock, 94
28	1.8	32.8	do.	C, W, F	D, S	Concrete curb; iron casing. Water reported in sand and gravel, 91 to 98
29	2.1	19.7	May 26, 1937	C, W	D, S	Dug well. Stone curb and casing. Water reported in sand and gravel, 44 to 48
30	1	31.2	do.	C, W	D, S	Driven well. Galvanized casing. Water reported in sand and gravel, 60 to 68
31	0.8	24.5	do.	C, C, P	D, S	Iron casing top to bottom. Strong supply reported in sand and gravel, 53 to 58
32	--	--	--	--	--	Oil test. See log. feet.
33	2.4	30.7	May 26, 1937	C, W, & B, H	D, S	Dug well. Rock curb and casing. Water reported in sand and gravel, 60 to 63 feet.
34	0.6	41	e/	C, W, H	D, S	Galvanized casing. Strong supply reported in sand, 72 to 77 feet.
35	1.9	40.7	May 27, 1937	C, W	D, S	Dug well; deepened by drilling. Stone curb; galvanized casing. Water reported in gravel,
36	0.3	29.8	May 28, 1937	C, W	D, S	Galvanized casing, top to bottom. Strong supply reported in sand. 77 to 81 feet.
37	0.9	62.7	do.	C, W	D, S	Iron casing. Water reported in sand at 37 feet, 46 feet, and 90 feet.
38	1.1	33.6	May 5, 1937	C, G, 1 1/2	D, S	Galvanized casing. Reported hard rock, 77 feet.
39	0.9	76.7	Apr. 28, 1937	C, W	D, S	Steel casing. Weak supply.
40	0.3	79	d/	C, W, F	D, S	Iron casing. Strong supply reported in sand, 104 to 110 feet.
41	2.6	29.9	May 25, 1937	B, H	D, S	Dug well. Brick curb and casing. Strong supply reported in sand.
42	0.1	26.9	do.	C, W, 1/2	N	Galvanized casing. Strong supply reported in sand.
43	1.9	29.3	do.	C, W	D, S	Dug well. Clay tile curb and casing. Water reported in sand and gravel.
44	1.9	35	d/	C, F	D, S	Driven well. Galvanized casing, top to bottom. Water reported in sand.
45	0.8	51	d/	C, -	I	Galvanized casing. Reported supplies six families.
46	1.1	37.1	May 11, 1937	C, W, H	D, S	Iron casing. Strong supply reported in gravel.
48	2.3	15.4	do.	B, H	D, S	Dug well. Rock curb and casing.
50	--	22.4	d/	C, G	D, S	Strong supply reported in sand.
51	2.1	29.2	May 12, 1937	B, W	D, S	Dug well. Concrete pipe casing. Reported water in gravel. Water changes taste during flood stage of river.

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

No.	Distance from Columbus	Survey	Owner	Driller	Topographic situation	Temperature (°F.)	Date completed	Depth of well (ft.)	Diameter of well (in.)
52	6 $\frac{1}{2}$ miles northwest	Pevton Splane	Henry Richter	Henry Richter	Gentle slope	68	1925	60	4
53	9 miles northwest	C. Fordtram	Steve Martinez	Steve Martinez	do.	70	1935	68	1
54	10 miles northwest	Freeman Pettus	H. T. Brandt	Trinity Drillers, Inc.	--	--	1933	6,112	10
55	8 miles west	Henry Austin	H. D. Grace	--	River bottoms	71	191-	27	30
56	9 miles west	do.	Walter Stephens	--	Gentle slope	70	1911	49	14
57	10 $\frac{1}{2}$ miles west	do.	F. I. Shaw	F. Kubena	do.	68	1926	65	6
58	11 $\frac{1}{2}$ miles west	do.	Stanley Beyers	Jack Anders	do.	67	1931	69	1
59	13 miles west	do.	John Shiniler	F. Kubena	do.	69	1921	51	4
60	14 miles west	do.	City of Weimar	Layne-Texas Co.	Flat	68	1926	602	16
61	do.	do.	do.	L. T. Fawcett, Jr.	do.	68	1935	605	10
62	13 miles west	Reddin Andrews	Steve Heller	J. Franks	Gentle slope	69	1912	57	5
63	15 miles west	Fl. Clapp	Fritz Wendt	Fritz Wendt	Flat	--	1921	37	42
64	do.	Francis Mayhar	Kate W. Jackson	F. Kubena	do.	70	1915	63	5
65	11 miles southwest	Richard Lowdy	B. Heller	do.	do.	69	1916	84	4
66	11 $\frac{1}{2}$ miles west	Oliver Blood	Anton J. Piop	--	do.	70	192-	46	1 $\frac{1}{2}$
67	9 $\frac{1}{2}$ miles west	Alfred Kelso	Ed. Bartol	Jose Martinez	do.	68	1936	44	1 $\frac{1}{4}$
68	do.	do.	Frank Krobath	R. Veccek	do.	69	1925	55	4
69	9 miles west	Wm. Bell	T. & N. C. R. R.	T. & N. C. R. R.	do.	71	1910	60	30
70	8 miles west	do.	Chas. Helmcamp	--	Hill-top	69	1907	72	30
72	7 miles southwest	R. Cunningham	H. C. Miller	--	Flat	70	Old	68	20
74	8 miles southwest	Wm. Bell	do.	J. Harber	do.	69	1884	51	30
75	5 miles west	R. Cunningham	R. L. Clapp	R. L. Clapp	do.	69	1925	60	1 $\frac{1}{4}$
76	3 miles west	W. R. Lewees	T. & N. C. R. R.	--	do.	69	--	923	9-5/8
77	3 $\frac{1}{2}$ miles southwest	F. L. Tonneray	Ed. Potter	--	do.	69	1929	39	1 $\frac{1}{4}$
78	5 $\frac{1}{2}$ miles south	Jno. Collier	R. W. Byars	--	do.	69	1925	132	36
79	6 $\frac{1}{2}$ miles south	Jno. Dalrymple	Harbert Est.	--	Gentle slope	67	1850	Spring	48
80	4 $\frac{1}{2}$ miles south	Fielding Secrest	Conrad Byars Est.	--	do.	79	1891	79	48

## R.E. May, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Remarks
		Depth below measuring point (ft.)	Date of measurement			
52	0.9	38.9	May 12, 1937	C, C, 1 <sup>1</sup>	D, S, I	Strong supply reported in gravel, 54 to 60 feet.
53	0.3	41	d/	C, H	D, S	Driven well. Galvanized casing, top to bottom. Water reported in gravel; 65 to 70 feet.
54	--	--	--	--	--	Oil test. See log.
55	2.7	16.9	May 10, 1937	B, H	D, S	Dug well. Brick curb and casing. Reported static level affected by rises in river.
56	2.1	34.9	May 11, 1937	B, H	S	Dug well. Tile curb and casing. Water reported in sand and gravel.
57	0.1	37.4	May 10, 1937	C, W	D, S	Dug well, 0 to 32 feet; drilled well, 32 to 65 feet. Iron casing. Strong supply reported in sand and gravel.
58	0.3	32	d/	C, H	D, S	Driven well. Reported hard rock at 69 feet. Reported strong supply.
59	0.6	29.8	May 10, 1937	C, W, H	D, S	Iron casing. Reported weak strong supply.
60	--	134	Apr. 17, 1937	A, -	F	Concrete curb. Reported strong supply.
61	1.2	171.2	Apr. 16, 1937	Cf, E, 20	F	Concrete curb. Reported strong supply. See log.
62	0.2	16.9	May 6, 1937	C, W, H	D	Concrete curb; steel casing, top to bottom. Strong supply reported in sand and gravel.
63	2.3	18.8	May 5, 1937	B, H	D, S	Dug well. Brick curb and casing, top to bottom. Water reported in sand and gravel.
64	--	31	d/	C, W, H	D, S, I	Bored well. Iron casing, top to bottom. Reported never fails.
65	--	39	d/	C, W	S	Iron casing. Strong supply reported in sand.
66	--	21	d/	C, W, H	D, S	Driven well. Reported weak supply.
67	0.6	10	d/	C, H	D, S	Driven well. Galvanized casing. Strong supply reported in gravel.
68	2	29.4	May 6, 1937	C, W	D, S	Iron casing. Reported strong supply.
69	2.9	43.2	do.	B, H	D	Dug well. Tile curb and casing. Strong supply reported in sand.
70	0.1	47.8	Apr. 17, 1937	C, W, & B, E	D, S	Dug well. Rock curb and casing. Reported strong supply.
72	1.3	38.5	do.	C, W	S	Dug well. Clay tile casing. Strong supply reported in gravel, 63 to 70 feet.
74	2.9	38.8	May 5, 1937	B, H	N	Dug well. Stone casing. Water reported in sand.
75	0	31	d/	C, W	S	Driven well. Galvanized casing. Reported strong supply.
76	--	60	d/	A, -	Ind	Steel casing. Reported yield, 170 gallons a minute. Reported maximum drawdown, 46 feet.
77	0.9	20	d/	C, H	S	Driven well. Galvanized casing. Reported never fails.
78	1	93	d/	C, W	D, S	Dug well, 0 to 64 feet; drilled well, 64 to 132 feet. Concrete curb; steel casing. Reported strong supply.
79	--	Flows	Apr. 9, 1937	C, W	D, S	Estimated yield, 2 gallons a minute from rock. Windmill used for tank storage. Reported strong supply.
80	2	37.7	May 5, 1937	C, W	D, S	Dug well. Stone curb and casing. Strong supply reported in gravel, 75 to 80 feet.



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

No.	Distance from Columbus	Survey	Owner	Driller	Topographic situation	Temperature (° F.)	Date completed	Depth of well (ft.)	Diameter of well (in.)
81	2½ miles south	Benjamin Reason	J. F. Bailey	J. B. Frnka	Gentle slope	68	1937	79	8
83	2½ miles southwest	do.	W. H. Glithero	W. H. Glithero	Flood Plain	72	1914	33	24
84	½ mile north	Elizabeth Tumlinson	City of Columbus	City of Columbus	Flat	--	1913	38	14½
85	¼ mile southeast	do.	do.	do.	River bottoms	76	1883	823	3
87	6 miles south	Joseph Hylan	Wm. Tait	-- Frnka	Flat	--	1915	69	30
89	6½ miles southeast	R. Alley	L. Tigett	L. Tigett	Hill-top	70	1934	53	3
90	9 miles southeast	Peter K. Bartleson	T. & N. C. S. R.	--	Flat	70	1907	62	4
92	12 miles southeast	J. M. Steiner	J. C. Kolberg	--	Flat	68	1913	80	3
93	11 miles east	Peter K. Bartleson	Everett Est.	--	do.	70	--	46	3
e/94	10½ miles east	T. Coleman	Mrs. Frances Drymalla	G.W. Johnson Exploration Co.	--	--	1936	5,454	10½
95	10½ miles east	Geo. McCormick	Fritz Schindler	--	Flat	68	1883	101	3
96	11½ miles east	Anton Braden, Jr.	John Tallas	Frank Frnka	do.	68	1921	107	3
97	12½ miles east	Jacob Lynch	Mrs. Albert Kueton	Albert Kueton	do.	69	1901	42	38
98	14 miles east	P. T. Propny	Herman Brast	--	do.	69	1900	55	37
99	13½ miles east	J. Petz	C. E. Litzman	F. Kubena	do.	70	1932	71	4
101	13½ miles east	A. Callison	H. T. Schindler	Geo. Rankin	do.	70	1891	66	6
106	21 miles east	C.H. & H.P.R., sec. 9	R. A. Salladay	R. A. Salladay	do.	69	1915	42	3
107	20½ miles east	do.	S.A. & A.P. R.R.	--	do.	69	1915	42	4
108	19 miles east	do.	Jack Beals	--	do.	71	1912	49	3
111	18½ miles southeast	C.H. & H.P.R., sec. 17	Glen Fitzgerald	--	do.	70	1912	57	4
113	17 miles southeast	T. & N.C.P.F., sec. 8	Mrs. S. Vineyard	--	do.	71	1915	57	3
115	15½ miles southeast	J. M. Thomas	Central Power & Light Co.	Layne-Texas Co.	do.	68	1927	462	8
116	do.	do.	do.	City of Eagle Lake	do.	--	1906	57	21½
117	16½ miles southeast	G. W. T. Wallace	Chris Ruic	--	do.	71	1917	41	3
120	14½ miles southeast	McLain & McNeil	Katie Griffin	-- Oil Co.	do.	--	1915	1,504	8
122	13 miles southeast	James Earl	Mrs. J. Denist	--	do.	69	1904	47	36
125	11 miles southeast	Chas. Winfree	Grace Byars	--	do.	70	1896	32	36

R.E. May, Project Superintendent

No.	Height of measuring point above ground (ft.)	Water Level		Pump and power b/	Use of water c/	Remarks
		Depth below measuring point (ft.)	Date of measurement			
81	0.3	49.4	Apr. 9, 1937	C,H	D,S	Iron casing, top to bottom. Strong supply reported in gravel.
83	1.6	27.5	Apr. 17, 1937	C,W	D,S	Dug well. Concrete tile curb and casing. Reported damaged annually by river in flood.
84	--	--	--	Cf,E, 20	P	Dug well. Steel casing. Reported water level, 176.8 feet above sea level. Reported
85	--	Flows	Apr. 19, 1937	None	S	Water reported from rock. Estimated yield, $\frac{1}{2}$ gallon a minute. Weak supply.
87	2.4	37.2	May 5, 1937	C,W	D,S	Dug well. Rock casing. Weak supply reported in sand and gravel.
89	0	32	--	-E,1	D	Galvanized casing. Reported weak supply.
90	0.2	37	d/	C,W,H	D	Iron casing. Reported never fails.
92	--	40	d/	C,W	D,S	Steel casing. Strong supply reported in sand, 74 to 80 feet.
93	0.3	29.7	Apr. 27, 1937	C,W	S	Iron casing, top to bottom. Strong supply reported in gravel.
94	--	--	--	--	--	Oil test. See log.
95	0.6	76	d/	C,W,H	D,S	Steel casing. Reported never fails.
96	2.7	83.9	Apr. 28, 1937	C,W	D,S	Iron casing, top to bottom. Strong supply reported in gravel and sand.
97	1.9	19.8	May 27, 1937	C,W	D,S	Dug well. Brick curb and casing. Reported never fails.
98	2.3	28.8	May 28, 1937	C,W	D,S	Dug well. Stone curb and casing. Water reported in sand.
99	0.9	37.6	do.	C,W	S	Iron casing. Strong supply reported in sand, 65 to 73 feet.
101	0.8	45.2	Apr. 27, 1937	C,W,H	D,S	Iron casing. Reported 10 feet drawdown after pumping 2 gallons a minute for 10 hours.
106	1.3	30.5	Apr. 27, 1937	C,W,& G, 2 $\frac{1}{2}$	D,S	Dug well, 0 to 18 feet; drilled well, 18 to 42 feet. Reported weak supply.
107	0.3	31.2	do.	C,W	D,Ind	Do.
108	0.3	35.2	do.	C,W,H	D,S	Reported dug well deepened by drilling. Concrete curb; iron casing. Reported strong
111	1.2	29	Apr. 21, 1937	C,W,& G, 2	D,S	Steel casing. Strong supply reported in sand and gravel, 53 to 59 feet. supply.
113	1.1	26	d/	C,W,H	D	Galvanized casing. Reported strong supply.
115	1.9	109	Apr. 22, 1937	Cf,E, 40	P	Steel casing. Estimated yield, 500 gallons a minute. Water reported in sand, 422 to
116	--	--	--	None	N	Dug well. 462 feet. See log.
117	0.3	30.2	Apr. 22, 1937	C,W	D	Steel casing. Reported stock loading pen well. Reported strong supply.
120	--	Flows	Apr. 17, 1937	None	D,S	Steel casing. Estimated flow, 40 gallons a minute.
122	2.7	37.7	Apr. 26, 1937	C,W	D,S	Dug well. Brick curb and casing. Strong supply reported in sand, 44 to 48 feet.
125	0.1	26.7	Apr. 16, 1937	C,W	D,S	Dug well. Brick curb and casing. Reported weak supply.

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

No.	Distance from Columbus	Survey	Owner	Driller	Topographic situation	Temperature (°F.)	Date completed	Depth of well (ft.)	Diameter of well (in.)
e/126	12½ miles southeast	N. Whiting & W. Osborn	Trula Wells	Eden Oil Co.	--	--	1937	5,797	10 <sup>3</sup>
127	22 miles southeast	do.	J. ' Herbert Est.	Humble Oil Co.	Flat	69	1932	57	6
128	20 miles southeast	Patrick O'Daugherty	J. M. Walker	--	do.	--	1918	97	3
129	10 miles south	Levin E. Jones	Eyars Est.	--	do.	70	1910	93	4
130	do.	R. D. Bassford	F. L. French	--	do.	72	1904	107	4
131	8½ miles southwest	Louis Henry	J. ' Herbert Est.	--	do.	70	1890	87	30
132	18½ miles southwest	James Bowie	H. Rhodes	H. Rhodes, Sr.	do.	70	1893	57	30
133	17 miles west	do.	C. A. Allen	C. A. Allen	do.	71	1925	58	1½
134	16½ miles southwest	A. W. Breedlove	Mrs. I. H. Zweiner	--	do.	69	1912	78	30
135	15½ miles southwest	Horatio Fitzroy	John Sacharin	J. Kubena	do.	69	1925	123	6
136	16½ miles southwest	Harvey Korey	B. A. Johnson	F. Frnka	do.	69	1926	119	10
137	18½ miles southwest	Walker Wilson	Mrs. C. Wilson	do.	do.	69	1926	138	3
138	16½ miles southwest	John Woyer	Colorado County School	J. Frnka	do.	69	1934	126	4
139	16 miles southwest	J. T. Rowell	Sidney Kincheloe	--	do.	69	1909	129	3
140	13 miles southwest	A. Carter	F. T. Ramsey	--	do.	69	1931	106	1½
141	12 miles south	I. & G.N.R.R. sec. 56	Will Hudson	--	do.	68	1907	98	4
142	12½ miles south	do.	County School Dist.	--	do.	--	1907	90	4
143	14½ miles south	I. & G.N.R.R. sec. 32	L. H. Catlett	F. Frnka	do.	67	1925	319	3
144	12 miles south	J. J. Ferguson	A. G. Pickett	--	do.	69	1922	91	2
145	14 miles southeast	Joseph Grant	S. Stapleton	F. Frnka	do.	71	1933	71	6
146	16 miles south	I. & G.N.R.R. sec. 8	D. O. Whaley	F. Frnka	do.	70	1914	76	3
147	16½ miles southeast	Sam Kennelly	County School Dist.	--	do.	70	1928	58	1¼
151	17½ miles southeast	James Ross	John Richardson	Wm. Gardner	do.	72	1927	48	2
153	19 miles southeast	G.H. & H.R.R. sec. 2	F. E. Duncan	F. Frnka	do.	71	1919	59	3
154	18½ miles southeast	James Nelson	Mrs. H. Matthews	--	do.	72	1867	39	36
158	20 miles southeast	C. C. Dyer	Sugarland Industries	F. Frnka	do.	69	1926	60	6
e/159	do.	do.	do.	--	do.	--	1912	612	3

## R.E. May, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Remarks
		Depth below measuring point (ft.)	Date of measurement			
126	--	--	--	--	--	Oil test. See log.
127	1.8	25.2	Apr. 20, 1937	C, "	S	Iron casing. Strong supply reported in gravel.
128	--	27	d/	C, "	"	Do.
129	2.1	29.9	Apr. 20, 1937	C, "	S	Steel casing. Reported 7.2 feet drawdown after pumping 2 $\frac{1}{2}$ gallons a minute for 24
130	0.3	78	d/	C, "H	D, S	Iron casing. Weak supply reported in sand, 103 to 108 feet. hours.
131	2.1	46.2	May 4, 1937	B, H	D, S	Dug well. Brick curb and casing. Reported never fails in <b>drought</b> .
132	3.1	29.2	May 5, 1937	C, "H B, "	D, S	Dug well. Rock curb and casing. Strong supply reported in sand and gravel.
133	1.1	31	d/	C, "	"	Driven well. Galvanized pipe, top to bottom.
134	1.2	43.2	May 5, 1937	B, F	D, S	Dug well. Clay tile curb and casing. Reported weak supply.
135	0.5	58	d/	C, "	S	Concrete curb; iron casing. Reported strong supply.
136	0.4	54	d/	C, "H	D, S	Driven well. Galvanized pipe, top to bottom. Water reported in sand and gravel.
137	0.8	76.9	Apr. 29, 1937	C, "H	D, S	Dug well, 0 to 75 feet; drilled well, 75 to 135 feet. Water reported in sand and gravel.
138	0.6	97	d/	C, G, -	P	Dug well, 0 to 83 feet; drilled well, 83 to 126 feet.
139	0.8	93	d/	C, "	D, S	Reported only well near Sheridan that did not fail in 1925.
140	0.6	53	d/	C, H	E	Driven well. Strong supply reported in gravel, 103 to 110 feet.
141	0.3	21	d/	C, "	D, S	Concrete curb. Reported supplies 9 families.
142	0.1	27	d/	C, "	F	Concrete curb; steel casing. Strong supply reported in sand.
143	0.8	79	d/	C, G, 2 $\frac{1}{2}$	D, S	Iron casing. Reported strong supply.
144	0.7	53	d/	C, "H	S	Driven well. Reported never fails in <b>drought</b> .
145	0.2	55	d/	C, "H	D, S	Reported strong supply.
146	--	41	d/	C, "	S	Steel casing, top to bottom. Reported never fails in <b>drought</b> .
147	0.8	24	d/	C, "	P	Driven well. Galvanized casing, top to bottom.
151	2.4	37.2	Apr. 24, 1937	C, F	D, S	Galvanized casing. Strong supply reported in gravel, 44 to 50 feet.
153	--	29	d/	C, "	S	Reported weak supply.
154	2.5	32.9	Apr. 18, 1937	C, "	D, S	Dug well. Brick curb and casing. Reported never fails.
158	0.7	27.4	Apr. 20, 1937	C, F, E, -	D, F	Reported used by 30 families. Reported <b>over-</b> flowed during flood stage of Colorado River.
159	--	--	--	None	N	Reported failed in 1925.

Records of wells and springs in Colorado County--Continued

No.	Distance from Columbus	Survey	Owner	Driller	Topographic situation	Temperature (°.)	Date completed	Depth of well (ft.)	Diameter of well (in.)
162	19½ miles southeast	P. Gilbert	Arnold Gin	--	Flat	69	1877	62	6
163	do.	do.	W. K. Lehrer	F. Frnka	do.	68	1935	110	8
164	23 miles southeast	Jno. S. Evans	Mike Labaj	--	do.	70	187-	47	38
165	23½ miles south	Johnson & Stafford	C. W. McDermott	-- Zurwalt	do.	70	1930	48	12
a/166	23 miles south	I. & G. N. R. R., sec. 45	Stewart Nelson	Coyle-Concord Oil Co.	--	--	1932	6,164	10
167	19½ miles south	Maham Nixon	W. S. Lehrer	W. S. Lehrer	Flat	68	1921	62	3
168	16½ miles south	Robt. Mills	Anna Swank	Geo. Seymour	do.	69	1927	88	4
169	19 miles south	John Brockner	F. T. Barnett	Geophysical Survey	do.	70	1926	117	4
170	20 miles south	John Cassaday	C. L. Cochran	Geo. Seymour	Creek bottoms	70	1920	96	4
171	24 miles south	Asa McClure	Iee E. Brownson	F. Frnka	Flat	69	1910	87	4
172	25½ miles south	W. C. R. R., sec. 13	D. C. Giddings Est.	--	do.	71	1904	65	30
173	27 miles south	R. F. Allen	Mrs. Lula Allen	R. P. Allen	do.	71	1891	48	30
174	28 miles south	Geo. T. Allen	Geo. T. Allen, Jr.	Geo. T. Allen	do.	71	1916	52	36
175	31 miles south	J. S. Tobey	R. Sample	F. Frnka	do.	69	1927	67	3

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

b/ , air lift; Cf, centrifugal; C, Cylinder; B, bucket; T, electric; G, gasoline; W, windmill; H, hand; number indicates horsepower.

## R.E. May, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Remarks
		Depth below measuring point (ft.)	Date of measurement			
162	0.3	43.6	Apr. 19, 1937	C,-	Ind	Concrete curb; steel casing. Reported no failure in 60 years.
163	0.2	38.1	do.	A,-	Ind	Concrete curb; steel casing. Reported 10 feet drawdown after pumping 200 gallons a minute for 24 hours.
164	2.2	21.9	May 3, 1937	B,H	D,S	Dug well. Rock and mortar curb and casing. Strong supply reported in sand.
165	--	21	d/	C,H	D	Driven well. Reported weak supply.
166	--	--	--	--	--	Oil test. See log.
167	0.2	23.8	May 3, 1937	C,W,H	D,S,I	Concrete curb; iron casing. Reported never fails in drought.
168	0.3	46	d/	C,W,H	D,S	Galvanized casing. Reported weak supply.
169	1.6	56.1	Apr. 29, 1937	C,W	D,S	Iron casing. Strong supply reported in sand and gravel.
170	0.3	42.7	Apr. 30, 1937	C,W	S	Do.
171	0.4	61.7	do.	C,H	D	Dug well, 0 to 56 feet; drilled well, 56 to 87 feet. Iron casing, top to bottom. Reported strong supply.
172	2.8	51.3	do.	B,H	D,S	Dug well. Stone curb and casing. Strong supply reported in sand, 63 to 66 feet.
173	2.1	29.4	Apr. 30, 1937	C,W,& B,H	D,S	Dug well. Clay tile curb and casing. Reported nearly failed in 1925.
174	2.1	29.4	do.	B,F	D	Dug well. Brick curb; stone casing. Reported strong supply.
175	--	47	d/	C,W,H	D,S	Iron casing. Reported strong supply.

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

d/ Water level reported.

e/ No water sample collected for analysis.

Table of Drillers' Logs, Colorado County, Texas.

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 32</u>		
Sens Farm, 13 miles northeast of Columbus.		
Soil- - - - -	1	1
Medium-grained sandy red clay- - - - -	39	40
Gray sand- - - - -	35	75
Pink sand and clay- - - - -	7	82
Sticky pink clay- - - - -	23	105
Gray sand- - - - -	15	120
Pink clay and lime- - - - -	100	220
Hard sand- - - - -	7	227
Gray sand- - - - -	8	235
Sandy pink clay- - - - -	36	271
Sand- - - - -	2	273
Sandy pink clay- - - - -	77	350
Gray sand- - - - -	10	360
Pink gumbo- - - - -	20	380
Gray sand- - - - -	14	394
Hard gray sand- - - - -	8	402
Sandy brown shale- - - - -	33	435
Sand- - - - -	16	451
Sandy brown shale- - - - -	9	460
Gumbo- - - - -	36	496
Shale- - - - -	20	516
Sandy gray shale- - - - -	38	554
Sticky gray shale- - - - -	151	705
Brown sand- - - - -	10	715
Sandy blue shale- - - - -	15	730
Red gumbo- - - - -	5	735
Red and brown clay and shale- - - - -	10	745
Sticky red gumbo- - - - -	50	795
Brown gumbo and red lime- - -	21	816
Brown gumbo- - - - -	4	820
Red shale- - - - -	24	844
Brown shale and sand - - -	6	850
Sticky brown shale- - - -	4	854
Soft brown sand- - - - -	8	862
Soft sandy brown shale - -	10	872
Brown shale- - - - -	21	893
Sticky brown gumbo- - - -	11	904
Hard brown gumbo and lime- -	14	918
Gray sand and lime- - - -	9	927
Sticky brown gumbo- - - -	5	932
Sandy gumbo- - - - -	13	945
Hard sand- - - - -	14	959
TOTAL DEPTH- - - - -		1431

<u>Driller's log of well 54</u>		
H. T. Brandt Farm, 10 miles northwest of Columbus.		
Sand and clay- - - - -	27	27
Sand rock- - - - -	1	28
Clay- - - - -	21	49
Sand and boulders - - - -	21	70

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 54--continued</u>		
Rock- - - - -	1	71
Sand and boulders- - - -	44	115
Sand rock- - - - -	2	117
Sand and boulders- - - -	59	176
Clay and boulders- - - -	40	216
Water sand- - - - -	47	263
Sand rock- - - - -	2	265
Sand and boulders - - - -	52	317
Sand, shale, and bould- ers- - - - -	174	491
Sand and boulders - - - -	34	525
Sand and shale- - - - -	102	627
Rock- - - - -	1	628
Sand, shale, and rock- - -	21	649
Shale and boulders- - - -	47	696
Streaked sand and shale- -	85	781
Sandy shale and boulders- -	37	818
Shale- - - - -	118	936
Sticky shale- - - - -	144	1080
Sand and shale- - - - -	55	1135
Hard shale- - - - -	21	1156
Sandy shale- - - - -	29	1185
Hard shale- - - - -	99	1284
Sandy green shale- - - -	5	1289
Brown shale- - - - -	60	1349
Sticky shale- - - - -	30	1379
Loose sandy shale- - - -	24	1403
Hard shale- - - - -	51	1454
Sand and boulders- - - -	61	1515
Hard sandy lime- - - - -	3	1518
Gumbo shale- - - - -	68	1586
Hard sticky shale- - - -	30	1616
Hard sandy shale- - - -	27	1643
Gumbo and boulders- - - -	33	1676
Hard sandy shale- - - -	44	1720
TOTAL DEPTH- - - - -		6112

<u>Driller's log of well 61</u>		
City of Weimar well No. 2, 14 miles west of Columbus.		
Surface materials- - - -	10	10
Sand and rock- - - - -	41	51
Rock- - - - -	1	52
Sandy clay- - - - -	5	57
Sand and rock- - - - -	15	72
Rock- - - - -	1	73
Sand and clay- - - - -	9	82
Sand and rock- - - - -	5	87
Clay- - - - -	23	110
Clay and rock- - - - -	25	135
Clay- - - - -	5	140
Soapstone- - - - -	7	147
Sandy limestone- - - - -	1	148
Sand and rock- - - - -	5	153

(Continued on next page)

Table of Drillers' Logs, Colorado County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 61--Continued</u>		
Clay- - - - -	37	190
Sand and clay - - - - -	10	200
Gumbo- - - - -	21	221
Sand and rock- - - - -	24	245
Soapstone- - - - -	8	253
Sand and rock- - - - -	21	274
Clay- - - - -	4	278
Shale and clay- - - - -	41	319
Sand and rock- - - - -	10	329
Gumbo- - - - -	30	359
Hard shale- - - - -	63	422
Sand and shale- - - - -	20	442
Lime and gumbo- - - - -	61	503
Hard shale- - - - -	18	521
Sand and boulders- - - - -	71	592
Gumbo- - - - -	42	634
TOTAL DEPTH- - - - -		634

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 76</u>		
T. & N. O. R. R., Glidden well, 3 miles west of Columbus.		
Clay- - - - -	12	12
Sand- - - - -	9	21
Hard rock and gravel- - - - -	39	60
Clay and gravel- - - - -	10	70
Conglomerate- - - - -	13	83
Hard sand rock and gravel - - - - -	21	104
Clay and gravel- - - - -	21	125
Clay- - - - -	12	137
Gumbo- - - - -	8	145
Packed sand- - - - -	8	153
Pyrites- - - - -	1	154
Sand rock- - - - -	2	156
Gumbo- - - - -	21	177
Limestone- - - - -	1	178
Gumbo- - - - -	22	200
Pyrites- - - - -	3	203
Gumbo- - - - -	7	210
Gravel and flint rock - - - - -	16	226
Clay and gumbo- - - - -	32	258
Rock and gravel- - - - -	3	261
Gumbo and gravel- - - - -	51	312
Rock- - - - -	1	313
Hard layer- - - - -	1	314
Clay and gravel- - - - -	17	331
Gumbo- - - - -	10	341
Soft blue clay- - - - -	10	351
Gravel- - - - -	50	401
Gumbo- - - - -	42	443
Sandy shale- - - - -	27	470
Gumbo and gravel- - - - -	19	489
Sand- - - - -	15	504
Gumbo- - - - -	56	560
Hard shale- - - - -	4	564
Gumbo- - - - -	38	602

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 76--Continued</u>		
Sand rock- - - - -	7	609
Hard layer- - - - -	4	613
Blue clay and gravel - - - - -	14	627
Hard layer- - - - -	1	628
Gumbo- - - - -	28	656
Fine-grained sandstone - - - - -	52	708
Gumbo- - - - -	55	763
Soft sand rock- - - - -	4	767
Clay and white rock- - - - -	15	782
Hard sand rock- - - - -	22	804
Gravel- - - - -	119	923
TOTAL DEPTH - - - - -		923

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 94</u>		
Mrs. Frances Drymalla farm, 10 miles east of Columbus.		
Clay- - - - -	31	31
Sand- - - - -	18	49
Clay- - - - -	15	64
Sand and boulders - - - - -	21	85
Clay- - - - -	25	110
Sand and boulders - - - - -	30	140
Sand and gravel- - - - -	46	186
Sticky shale- - - - -	40	226
Sand and gravel- - - - -	23	249
Sticky shale- - - - -	5	254
Sand and gravel - - - - -	44	298
Sticky shale- - - - -	39	337
Sand and gravel - - - - -	43	380
Shale- - - - -	80	460
Sand and boulders - - - - -	43	503
Shale and lime- - - - -	226	729
Sand and boulders - - - - -	30	759
Shale and lime- - - - -	81	840
Sticky shale- - - - -	30	870
Hard shale and lime - - - - -	30	900
Sticky shale- - - - -	137	1037
Hard shale- - - - -	20	1057
Sticky shale- - - - -	41	1098
Sand and lime - - - - -	3	1101
Sand- - - - -	7	1108
Sticky shale- - - - -	20	1128
Shale- - - - -	32	1160
Sandy shale and lime- - - - -	69	1229
Sticky shale and lime - - - - -	13	1242
Hard shale- - - - -	25	1267
Sticky shale- - - - -	49	1316
Hard sticky shale - - - - -	54	1370
Sticky shale and lime - - - - -	142	1512
Hard lime and shale- - - - -	10	1522
Hard lime- - - - -	8	1530
Shale and streaks of lime- - - - -	134	1664
Shale- - - - -	51	1715
Shale and lime- - - - -	7	1722
TOTAL DEPTH- - - - -		5454



Table of Drillers' Logs, Colorado County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 115</u>		
Central Power & Light Co., Eagle Lake City Well 2, 15 <sup>1</sup> / <sub>2</sub> miles southeast of Columbus.		
Surface materials-	25	25
Sand and gravel-	40	65
Lime clay and boulders-	60	125
Limestone-	40	165
Rock-	5	170
Gumbo-	10	180
Sand-	50	230
Sand rock	3	233
Gumbo-	29	262
Sand-	33	295
Sand rock-	5	300
Sand-	25	325
Gumbo-	20	345
Fine-grained sand-	22	367
Gumbo-	8	375
Sand and gravel-	40	415
Gumbo-	7	422
Sand-	40	462
TOTAL DEPTH		462

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 126</u>		
Eden Oil Co.'s Trula Well 1, 12 <sup>1</sup> / <sub>2</sub> miles southeast of Columbus.		
Surface soil-	15	15
Sand-	10	25
Gravel-	75	100
Sand-	50	150
Clay-	10	160
Sand-	40	200
Gravel-	15	215
Sand	85	300
Sand and gravel-	50	350
Sand and gravel with streaks of clay-	50	400
Sand-	220	620
Blue and brown shale-	305	925
Sticky shale-	160	1085
Sand-	7	1092
Sticky shale and boulders-	38	1130
Sand-	15	1145
Sticky shale-	55	1200
Sandy shale-	30	1230
Sand-	10	1240
Hard shale and boulders-	35	1275
Sand-	16	1291
Sticky shale-	30	1321
Sandy shale-	63	1384
Hard shale-	31	1415
Sandy shale-	200	1615
Hard sand-	10	1625

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 126--Continued</u>		
Sandy shale-	50	1675
Hard sand rock	20	1695
Sand and boulders-	25	1720
Sandy shale-	40	1760
Shale-	80	1840
Rotten shale	15	1855
TOTAL DEPTH-		5795

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 138</u>		
County School at Sheridan, 16 <sup>1</sup> / <sub>2</sub> miles southwest of Columbus.		
Clay-	6	6
Sand-	64	70
Blue clay-	8	78
Fine-grained gray water sand-	20	98
Sand rock	4	102
TOTAL DEPTH-		102

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 166</u>		
Stewart Nelson tract, 23 miles south of Columbus.		
Surface soil-	4	4
Sand-	46	50
Sand and gravel	55	105
Lime-	15	120
Lime with streaks of clay and sand-	35	155
Lime sand with streaks of shale-	38	193
Hard sandy lime-	14	207
Sand with streaks of shale-	68	275
Shale-	12	287
Sand-	22	309
Shale and sand streaks	60	369
Shale and sand-	38	407
Hard sandy lime-	5	412
Shale and sand-	48	460
Sand and lime-	20	480
Shale shells-	60	540
Shale with streaks of sand-	140	680
Shale-	32	712
Sand-	6	718
Sticky shale-	115	833
Sand-	8	841
Sticky shale-	11	852
Sandy shale and shells-	20	872
Sand-	26	898
Sticky shale-	54	952
Sand-	6	958
Sticky shale	62	1020
Sand with streaks of shale-	8	1028

(Continued on next page)

Table of Drillers' Logs, Colorado County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 166--Continued		
Sticky shale- - - - -	149	1177
Sand- - - - -	11	1188
Sticky shale- - - - -	42	1230
Sandy shale- - - - -	15	1245
Gumbo- - - - -	39	1284
Water sand - - - - -	16	1300
Sticky shale - - - - -	100	1400
Gumbo- - - - -	10	1410
Sandy shale- - - - -	27	1437
Sand- - - - -	2	1439
Sand with streaks of shale-	36	1475
Shale- - - - -	23	1498

	Thickness (feet)	Depth (feet)
Driller's log of well 166--Continued		
Sticky shale- - - - -	22	1520
Sand- - - - -	15	1535
Sticky shale- - - - -	13	1548
Sandy shale- - - - -	12	1560
Shale with streaks of sand-	30	1590
Sticky shale- - - - -	7	1597
Sandy shale- - - - -	43	1640
Sand- - - - -	18	1658
Sticky shale- - - - -	7	1665
Sand- - - - -	49	1714
Blue shale- - - - -	6	1720
TOTAL DEPTH - - - - -		6164

Logs of test wells drilled by W. P. A. labor in Colorado County, Texas  
 Samples examined and classified by R. E. May  
 Project Superintendent

	Thickness (feet)	Depth (feet)
<u>Well 47</u>		
Gently rolling, A. W. Raw tract, J. Cummins survey, 3 miles north of Glidden.		
Sand- - - - -	1	1
Clay- - - - -	4	5
Chalk and clay- - - - -	2	7
Clay- - - - -	3	10
Chalk and clay- - - - -	5	15
Yellow clay- - - - -	2	17
Blue clay- - - - -	1	18
Coarse-grained sand and gravel- - - - -		18
June 9, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 49</u>		
Rolling, Lester Hastedt tract, James Cummins survey, 4½ miles north of Glidden.		
Top soil- - - - -	3	3
Clay- - - - -	9	12
Yellow clay- - - - -	4	16
White clay- - - - -	3	19
Blue clay- - - - -	8	27
Heavy blue clay- - - - -	8	35
Yellow clay- - - - -	5	40
Sand and clay- - - - -	6	46
Water sand- - - - -	3	49
Water level, 41 feet below top of ground 1 hour after hole completed.		
June 17, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 71</u>		
Flat, Miller Estate, R. Cunningham survey, 7½ miles southwest of Glidden.		
Yellow clay- - - - -	23	23
Clay and gravel- - - - -	49	72
Water sand- - - - -	6	78
Water level, 62 feet below top of ground 1 hour after hole completed.		
Aug. 5, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 73</u>		
Flat, E. G. Miller tract, William Bell survey, 9 miles southwest of Glidden.		
Sandy clay- - - - -	2	2
Yellow clay and chalk- - - - -	6	8
Red clay- - - - -	4	12
Red and yellow clay- - - - -	5	17
Dark red clay- - - - -	4	21
Light clay- - - - -	2	23
Yellow clay with dark spots- - - - -	3	26
Yellow clay- - - - -	16	42
Red clay- - - - -	4	46
Dark red clay- - - - -	5	51
Yellow clay- - - - -	9	60
Brown clay and chalk- - - - -	5	65
Heavy brown clay- - - - -	7	72
White clay and sand- - - - -	10	82
Water sand and clay- - - - -	6	88
Water level, 60 feet below top of ground ½ hour after hole completed.		
Sept. 3, 1937.		

Partial analyses of water from wells in Colorado 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. Stulken, D. F. Riddell, H. T. Davidson; Floyd H. Ward, and F. G. Steer, Chemists; and J. A.

Harmaza, Martin Wieland, and Jack Ramsey, Assistant Chemists. Nitrate determined by E. W. Lohr, U. S.

Geological Survey. Results are in parts per million. Well numbers correspond to numbers in table of well records.)

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (calculated)
1	J. Geistman	65	May 20, 1937	275	70	11	17	220	13	34	22	222
2	Otto Heinsohn	32	do.	226	44	9	28	146	15	38	20	145
3	J. A. Mayer	64	do.	-	-	-	-	-	15	28	24	-
4	Thos. Schmidt	40	do.	-	-	-	-	-	14	30	22	-
5	do.	51	do.	401	111	12	21	336	17	34	41	328
6	J. Wasterek	55	May 22, 1937	389	114	10	21	366	14	28	22	326
7	Willie Waddle	56	do.	-	-	-	-	-	14	28	41	-
8	J. Wasterek	63	do.	329	86	11	21	275	13	32	31	262
9	Wm. Oppermann	50	do.	-	-	-	-	-	12	28	22	-
10	Leo Brokmeyer	33	Apr. 29, 1937	-	-	-	-	-	177	1,450	a/	-
11	Frank Kuhlanek	-	May 20, 1937	-	-	-	-	-	13	30	24	-
12	H. Gully	42	do.	-	-	-	-	-	11	30	27	-
13	John Jasek	74	do.	385	121	5	19	354	14	30	22	324
14	Lewis Prebada	79	May 14, 1937	407	-	-	-	232	58	86	a/	-
15	R. A. Surcek	70	May 12, 1937	270	-	-	-	256	14	26	a/	-
16	W. A. Hoelshoer	90	do.	381	-	-	-	348	14	30	22	-
17	Leo Warlandt	62	May 14, 1937	379	-	-	-	342	16	30	22	-
18	Chas. Geiseike	61	May 20, 1937	-	-	-	-	-	11	30	23	-
19	Joe Mahalek	29	May 14, 1937	387	-	-	-	354	15	30	22	-
20	Henry Paasch	54	May 20, 1937	-	-	-	-	-	15	30	26	-
21	Walter Fehrenkamp	62	Apr. 29, 1937	750	-	-	-	415	47	196	28	-
22	Paul Aurich	40	May 22, 1937	-	-	-	-	-	14	26	22	-
23	Mrs. Freda Kaufman	60	do.	-	-	-	-	-	14	30	20	-
24	Sealy Loan Bank	71	do.	-	-	-	-	-	14	30	22	-
25	Paul Aurich	97	do.	-	-	-	-	-	12	34	32	-
26	Sallie S. McGee	51	May 24, 1937	327	-	-	-	287	13	30	20	-
27	Jane Weishuhn	96	do.	370	-	-	-	336	14	30	21	-
28	Jacob Braden	96	do.	-	-	-	-	-	15	30	21	-
29	R. Uhlig	47	May 26, 1937	376	-	-	-	342	14	30	22	-
30	C. O. Uhlig	64	do.	-	-	-	-	-	14	28	21	-
31	Ernest Buback	57	do.	-	-	-	-	-	14	30	22	-

a/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	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)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (calculated)
33	C. Virus	62	May 26, 1937	217	54	9	14	153	14	30	21	170
34	Otto Sens	76	Apr. 28, 1937	386	112	9	23	342	17	34	23	315
35	F. Rothmeyer, Jr.	80	Apr. 27, 1937	382	118	8	17	348	15	30	23	325
36	O. A. Braden	48	May 28, 1937	387	-	-	-	348	15	32	23	-
37	Wm. Frazier	90	do.	381	-	-	-	342	21	28	21	-
38	J. Ritter	76	May 25, 1937	-	-	-	-	-	15	30	43	-
39	A. Polsner	92	Apr. 28, 1937	124	34	3	8	55	14	38	a/	97
40	W. J. Braden	110	do.	175	-	-	-	98	14	48	a/	-
41	Theo Heye	76	May 25, 1937	-	-	-	-	-	14	30	23	-
42	S. K. Seymour	74	do.	385	119	5	21	348	15	30	24	318
43	Ben Kansteiner	58	do.	364	-	-	-	317	16	32	24	-
44	Edwin Berger	81	May 24, 1937	-	-	-	-	-	14	36	a/	-
45	Magnolia Pipe Line Company	305	May 11, 1937	383	-	-	-	354	15	30	a/	-
46	Chas. Rau	53	do.	335	-	-	-	293	15	30	20	-
48	A. W. Rau	19	do.	384	-	-	-	348	15	30	23	-
49	W. P. A. test	49	June 17, 1937	309	-	-	-	256	43	24	a/	-
50	J. Schoebel	47	May 11, 1937	357	-	-	-	317	15	30	22	-
51	Eliza Medina	47	May 12, 1937	380	-	-	-	348	15	30	20	-
52	Henry Richter	60	do.	375	-	-	-	342	14	30	21	-
53	Steve Martinez	68	do.	386	-	-	-	342	22	30	21	-
55	M. C. Grace	27	May 10, 1937	387	-	-	-	354	15	30	22	-
56	Walter Stephens	49	May 11, 1937	397	-	-	-	354	14	30	23	-
57	R. D. Shaw	65	May 10, 1937	374	-	-	-	336	15	30	23	-
58	Stanley Beyers	69	May 11, 1937	375	-	-	-	336	17	30	22	-
59	John Shindler	51	May 10, 1937	390	-	-	-	354	17	28	24	-
60	City of Weimar	602	Apr. 17, 1937	219	18	3	69	232	11	4	a/	57
61	do.	605	Apr. 16, 1937	557	31	5	190	378	11	134	a/	98
62	Steve Heller	57	May 6, 1937	394	-	-	-	354	12	36	23	-
63	Fritz Wendt	37	May 5, 1937	387	-	-	-	348	15	32	23	-
64	Kate W. Jackson	63	do.	390	-	-	-	354	18	30	21	-
65	S. Heller	84	May 10, 1937	246	-	-	-	183	12	30	24	-
66	Anton J. Ripp	46	May 6, 1937	396	-	-	-	354	15	34	24	-
67	Ed. Barton	44	do.	390	-	-	-	354	15	30	24	-
68	Frank Krobath	55	do.	389	-	-	-	354	11	34	23	-

a/ Nitrate less than 20 parts per million.

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

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (calculated)
69	T. & N. O. R. R.	60	May 6, 1937	221	-	-	-	98	16	56	23	-
70	Chas. Helmcamp	72	Apr. 17, 1937	1,956	207	39	411	171	133	700	382	679
71	W. P. A. test	78	Aug. 5, 1937	394	98	1	55	366	13	27	20	250
72	E. G. Miller	68	Apr. 17, 1937	389	-	-	-	342	19	29	28	-
73	W. P. A. test	88	Sept. 3, 1937	631	113	5	129	390	19	173	a/	304
74	E. G. Miller	51	May 5, 1937	384	-	-	-	342	17	32	23	-
75	R. L. Clapp	60	May 10, 1937	268	-	-	-	250	11	30	a/	-
76	T. & N. O. R. R.	923	Apr. 16, 1937	742	29	12	232	195	30	264	79	123
77	Ed Potter	39	Apr. 17, 1937	389	-	-	-	348	14	33	25	-
78	R. W. Byars	132	do.	382	110	9	23	342	11	31	30	310
79	Harbert Est.	Spring	Apr. 9, 1937	652	-	-	-	342	11	228	a/	-
80	Conrad Byars Est.	79	May 5, 1937	306	-	-	-	366	12	30	24	-
81	J. F. Bailey	79	Apr. 9, 1937	97	-	-	-	49	11	20	a/	-
83	W. H. Glithero	33	Apr. 17, 1937	142	-	-	-	85	11	36	a/	-
84	City of Columbus	38	Apr. 8, 1937	347	96	8	26	305	15	30	22	270
85	do.	823	Apr. 9, 1937	791	23	5	288	293	11	320	a/	78
87	Wm. Tait	69	May 5, 1937	380	-	-	-	342	15	30	24	-
89	L. Tigett	53	Apr. 26, 1937	161	-	-	-	116	11	32	a/	-
90	T. & N. O. R. R.	62	do.	167	-	-	-	122	14	30	a/	-
92	O. G. Kolberg	80	do.	728	-	-	-	232	40	300	a/	-
93	Everett Est.	46	Apr. 27, 1937	390	-	-	-	293	11	86	a/	-
95	Fritz Schindler	101	Apr. 28, 1937	380	-	-	-	336	18	32	22	-
96	John Tallas	107	do.	391	-	-	-	342	18	34	24	-
97	Mrs. Albert Kueton	42	May 27, 1937	-	-	-	-	-	12	34	a/	-
98	Herman Brast	55	May 28, 1937	-	-	-	-	-	18	30	22	-
99	G. B. Litzman	71	do.	-	-	-	-	-	16	30	a/	-
101	M. T. Schindlar	66	Apr. 27, 1937	299	-	-	-	201	15	56	a/	-
106	R. A. Salladay	42	do.	202	-	-	-	159	11	36	a/	-
107	S. A. & A. P. R. R.	42	do.	232	-	-	-	183	11	36	a/	-
108	Jack Beals	49	do.	211	-	-	-	146	11	48	a/	-
111	Glen Fitzgerald	57	Apr. 21, 1937	680	135	15	102	287	47	240	a/	400
113	Mrs. S. Vineyard	57	Apr. 26, 1937	774	-	-	-	378	33	260	a/	-
115	Central Power & Light Co.	462	Apr. 22, 1937	382	22	7	118	238	54	64	a/	85
116	do.	57	do.	145	40	3	12	134	14	10	a/	112

a/ Nitrate less than 20 parts per million.

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

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (calculated)
117	Chris Ruio	41	Apr. 22, 1937	387	-	-	-	342	19	30	25	-
120	Katie Griffin	1,504	Apr. 17, 1937	688	12	-	270	366	11	215	a/	29
122	Mrs. J. Denist	47	Apr. 26, 1937	533	-	-	-	323	19	132	26	-
125	Grace Byars	32	Apr. 16, 1937	946	213	22	67	366	72	128	264	624
127	J. A. Harbert Est.	57	Apr. 20, 1937	387	116	8	21	354	13	30	25	320
128	J. M. Walker	97	Apr. 16, 1937	395	-	-	-	207	17	126	a/	-
129	Byars Est.	93	Apr. 20, 1937	1,143	-	-	-	146	54	605	a/	-
130	R. L. French	107	do.	345	-	-	-	122	23	136	a/	-
131	J. A. Harbert Est.	87	May 4, 1937	390	-	-	-	354	15	30	24	-
132	M. Rhodes	57	May 5, 1937	263	-	-	-	244	11	30	a/	-
133	C. A. Allen	58	do.	386	-	-	-	348	17	30	23	-
134	Mrs. I. M. Zweiner	78	do.	385	-	-	-	348	14	32	23	-
135	John Sacharin	123	May 4, 1937	390	-	-	-	354	17	30	22	-
136	B. A. Johnson	119	do.	390	-	-	-	354	15	30	24	-
137	Miss C. Wilson	138	Apr. 29, 1937	413	-	-	-	366	22	32	24	-
138	Colorado County School	126	Apr. 19, 1937	398	106	10	35	305	11	86	a/	306
139	Sidney Kincheloe	129	Apr. 17, 1937	370	-	-	-	268	11	86	a/	-
140	F. T. Ramsey	106	May 4, 1937	390	-	-	-	354	15	30	24	-
141	Will Hudson	98	Apr. 19, 1937	284	-	-	-	293	11	18	a/	-
142	County School Dist.	90	do.	260	92	3	-	37	16	124	a/	242
143	L. H. Catlett	319	May 3, 1937	373	-	-	-	342	11	30	23	-
144	A. G. Pickett	91	May 4, 1937	384	-	-	-	360	11	30	20	-
145	S. Stapleton	71	Apr. 16, 1937	126	-	-	-	85	11	26	a/	-
146	D. D. Whaley	76	May 4, 1937	360	-	-	-	317	17	30	22	-
147	County School Dist.	58	Apr. 20, 1937	384	116	10	16	354	17	27	24	331
151	John Richardson	48	Apr. 24, 1937	324	94	10	20	329	14	24	a/	276
153	F. B. Duncan	59	Apr. 21, 1937	678	-	-	-	293	47	235	a/	-
154	Mrs. H. Matthews	39	Apr. 19, 1937	741	200	35	31	598	97	84	a/	642
158	Sugarland Industries	60	Apr. 20, 1937	-	-	-	-	-	94	76	a/	-
162	Arnold Gin	62	Apr. 19, 1937	242	54	3	32	159	33	33	a/	147
163	W. K. Lehrer	110	do.	393	78	10	60	293	25	66	a/	236
164	Mike Labaj	47	May 3, 1937	378	-	-	-	342	14	30	24	-
165	C. W. McDermott	48	do.	387	-	-	-	354	12	30	25	-
167	W. S. Lehrer	62	do.	385	-	-	-	348	15	30	24	-

a/ Nitrate less than 20 parts per million.

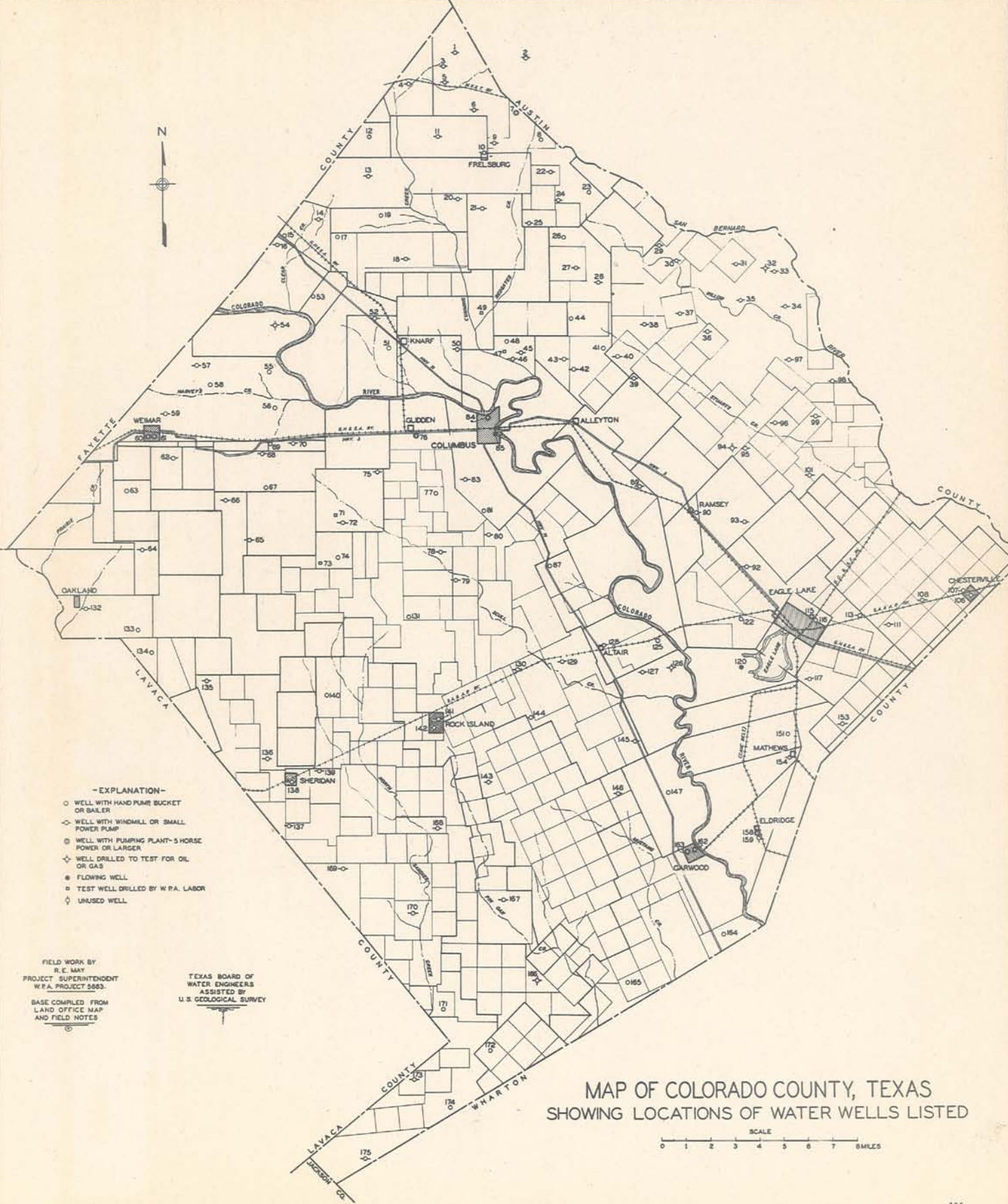
Partial analyses of water from wells in Colorado County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	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)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (calculated)
168	Anna Swank	88	May 3, 1937	391	-	-	-	354	14	30	26	-
169	M. C. Barnett	117	Apr. 29, 1937	204	-	-	-	98	29	32	25	-
170	O. L. Cochran	96	Apr. 30, 1937	385	-	-	-	354	15	30	20	-
171	Lee E. Brownson	87	do.	382	-	-	-	348	11	32	24	-
172	D. C. Giddings Est.	65	do.	381	-	-	-	354	12	28	23	-
173	Mrs. Lula Allen	48	do.	379	-	-	-	354	14	28	a/	-
174	Geo. T. Allen, Jr.	52	May 3, 1937	386	115	5	26	354	12	30	24	308
175	R. Sample	67	Apr. 30, 1937	380	-	-	-	342	15	30	24	-

a/ Nitrate less than 20 parts per million.





- EXPLANATION -
- WELL WITH HAND PUMP BUCKET OR SAUER
  - ◊ WELL WITH WINDMILL OR SMALL POWER PUMP
  - ⊙ WELL WITH PUMPING PLANT-5 HORSE POWER OR LARGER
  - ◇ WELL DRILLED TO TEST FOR OIL OR GAS
  - FLOWING WELL
  - ⊕ TEST WELL DRILLED BY W.P.A. LABOR
  - ◊ UNUSED WELL

FIELD WORK BY  
R. E. MAY  
PROJECT SUPERINTENDENT  
W.P.A. PROJECT 5663.

BASE COMPILED FROM  
LAND OFFICE MAP  
AND FIELD NOTES

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

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

