

TEXAS BOARD OF WATER ENGINEERS

C. S. Clark, Chairman
A. H. Dunlap, Member
J. W. Pritchett, Member



DALLAS COUNTY, TEXAS

PREPARED IN COOPERATION WITH THE UNITED STATES
DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY

DECEMBER 1943

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DALLAS COUNTY, TEXAS

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

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By

James C. Cumley

Introduction

This publication contains the records of 388 wells, and 4 springs, drillers' logs of 160 wells and results of chemical analyses of water from 176 wells and springs in Dallas County, Texas.

It also includes a map showing the location of wells, each well being given a number on the map corresponding to the number assigned to it in the records. The field data were obtained by James C. Cumley during June, July and August 1942 in connection with a state-wide program of ground water investigations in Texas conducted by the State Board of Water Engineers in cooperation with the United States Department of the Interior, Geological Survey.

The water analyses were made by W. W. Hastings, Chemist of the Quality of Water Division of the Federal Geological Survey, and by chemists employed by the Work Projects Administration under the supervision of Mr. Hastings, and Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry of The University of Texas. The results of the analyses, which relate only to the mineral constituents in the water, and not to its sanitary character, are tabulated in parts per million on pages 95 to 102. A table showing the Silica, and iron contents and the pH of water from 19 wells is given on page 103. For the convenience of those who prefer a different form of expression the analyses of 28 samples are given in equivalents per million on page 104.

The records serve as a guide to land owners, officials of industrial plants, well drillers and others who need information regarding wells, the depth to ground water in different parts of the county, and the quantity and chemical character of water yielded by the wells.

A limited number of copies of this release are available for free distribution. They may be obtained by addressing a request to Mr. C. S. Clark, Chairman, Texas State Board of Water Engineers, 302 West 15th Street, Austin, Texas.

Records of wells and springs in Dallas County, Texas
All wells are drilled unless otherwise stated under remarks

Well	Distance from Carrollton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of point above ground (ft.)
1	6 miles west	John L. Lancaster, Jr.	C. H. Gardner	1932	240	8, 6	--
2	5½ miles west	Town of Coppell	--	1907?	220	6	--
3	5 miles west	Coppell School District	C. H. Gardner	1928	195	6	--
4	do.	Dr. C. O. Sanders	do.	1934	209	6, 4	--
5	4 miles northwest	Dr. T. J. Calhoun	--	1939	419	--	--
6	do.	do.	C. H. Gardner	1941	137	4	--
7	3½ miles northwest	Thomas L. Wheeler	do.	1935	115	6	--
8	do.	J. W. Hudnall	do.	1935	124	5	1.0
9	2 miles northeast	W. W. McCoy no. 1	J. B. Alford	--	1,356	--	--
10	1½ miles northeast	D. W. Josey	C. H. Gardner	1938	375	6, 4	--
11	do.	Fred E. Hess	J. L. Myers and Sons	1940	395	4	--
12	In Carrollton	City of Carrollton	C. H. Gardner	1940	410	8, 6, 4	--
13	do.	do.	do.	1929	320	6, 4	--
14	do.	T. W. Stahlnecker	--	1898?	245	--	--
15	2½ miles east	George Aldredge	-- McDonald	1938	446	6	--
16	3½ miles northeast	J. Bernard Joseph	J. L. Myers and Sons	1940	571	8, 5	--
17	3¾ miles east	C. S. Hamilton	Layne-Texas Co.	1937	690	7, 5½, 4	--
18	3½ miles southeast	R. B. George	C. H. Gardner	1934	539	6	--
19	3½ miles east	do.	do.	1936	535	6-5/8, 4	--
20	4 miles southeast	F. D. Buell	do.	1929	654	--	--
21	do.	Mrs. J. T. Marsh	do.	1939	536	4	--
22	3¾ miles southeast	Donald O'Neil	do.	1936	432	6, 4	--

a/ Plus (+) indicates water level is above ground.

b/ C, cylinder; B, bucket and rope; T, turbine; A, airlift; H, hand; G, gasoline; E, electric; W, windmill. Number indicates horsepower.

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

Chemical analyses of water from most of these wells and springs are shown in a table of analyses on pages 95 to 104

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
1	--	--	C,-	--	
2	d/60	--	C,G,	P	Cased to sand. Supplies about 35 families and a gin.
3	--	--	--	P	
4	--	--	C,-	--	Casing: 6-inch to 194 feet; 4-inch from 194 to 209 feet, perforated.
5	d/19	1939	--	--	See log.
6	--	--	--	--	Casing: 4-inch to 137 feet.
7	--	--	C,-	--	Cased to 30 feet.
8	27.7	Sept. 3, 1942	B,H	D,S	Cased to 20 feet.
9	--	--	--	--	Oil test. See log.
10	d/100	--	C,-	--	Casing: 6-inch to 43 feet; 4-inch from 34 to 375 feet.
11	d/162	Jan. ---, 1940	--	--	Cased to bottom. Drawdown reported by driller, 45 feet while pumping 10 gallons a minute.
12	d/65 d/150	1940 1942	C,E, 7½	P	Casing: 32.5 feet of 8-inch; 388.5 feet of 6-inch; 28 feet of 4-inch. Drawdown reported by driller, 35 feet while pumping 15 gallons a minute. Reported yield 50,000 gallons a day in 1942. North well.
13	d/150	1942	C,E, 5	P	Casing: 314.5 feet of 6-inch; 200 feet of 4-inch, bottom joint perforated. Reported yield 35,000 gallons a day in 1942. South well.
14	--	--	None	N	Reported to have flowed in 1898. <u>e/</u> See log.
15	d/100	Aug. 1938	C,E, 1½	--	Cased to bottom.
16	d/193	May 1940	C,E, 2	--	Casing: 21.5 feet of 8-inch; 557 feet of 5-inch. Drawdown reported by driller, 12 feet when pumped at 11 gallons a minute. See log.
17	--	--	C,E, 5	D,S	Drilled to 800 feet and plugged back to 690 feet. Casing: 7-inch to 655 feet, 5½ and 4-
18	--	--	--	--	inch from 647 to 740 feet. See log.
19	--	--	C,-	--	Casing: 6-5/8-inch to bottom.
20	--	--	--	--	
21	--	--	C,W	D,S	Cased to bottom.
22	--	--	C,-	--	Casing: 6-inch to bottom.

d/ Water level reported by driller or owner.

e/ Hill, R. T., Geography and Geology of the Black and Grand Prairies, Texas, U. S. Geol. Survey, 21st Ann. Rept., Part 7, pp. 595-606.

Records of wells and springs in Dallas County--Continued

Well	Distance from Carrolton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
23	2 ³ / ₄ miles southeast	T. L. Bradford, Jr.	C. H. Gardner	1938	409	4, 2 ¹ / ₂	--
24	2 ¹ / ₂ miles southeast	G. R. Raspberry	--	1898?	325	--	--
25	do.	Farmers Branch Fresh Water Dist.	A. F. Butler	1911	303	6, 5	--
26	3 ¹ / ₂ miles south	W. R. Hughes	C. H. Gardner	1935	292	--	--
27	2 ¹ / ₂ miles southwest	Frank D. Becka	do.	1934	128	6	1.5
28	2 ³ / ₄ miles southwest	Joe Y. Field	do.	1934	175	--	--
29	3 ¹ / ₂ miles southwest	C. C. White	do.	1933	231	6	--
30	4 ¹ / ₂ miles southwest	Charlie O'Connor	do.	1934	205	6	--
31	4 ¹ / ₂ miles southwest	W. E. Howell no. 1	Mauldin Oil Co.	--	2,390	--	--
32	7 ¹ / ₂ miles southwest	G. K. Milner	C. H. Gardner	1937	298	4, 2 ¹ / ₂	--

Well	Distance from Grand Prairie	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
33	11 miles north	Cabell Dairy Co.	--	1934	278	--	--
34	do.	E. Fields Est.	--	1930	65	5	1.0
35	12 miles northeast	W. F. Laney	--	--	23 ³ / ₈	30	.5
36	do.	do.	--	Old	160	4	.0
37	10 miles northeast	Joe Y. Field	C. H. Gardner	1939	146	4	--
38	do.	S. L. Neilson	Jim Finch	1941	163	6	--
39	9 ¹ / ₂ miles northeast	E. M. Anderson	C. H. Gardner	1941	315	6, 4	--
40	do.	C. M. Wiggins	do.	1939	208	4	--
41	8 ¹ / ₂ miles northeast	M. C. Robins	do.	1937	286	6	--
42	7 ¹ / ₂ miles northeast	Dr. C. L. Martin	Wm. Pierce	1941	320	--	--
43	do.	do.	C. H. Gardner	1915	265	--	--
44	7 miles northeast	E. C. Cannon	do.	1937	230	4	--

a/ Plus (+) indicates water level is above ground.

b/ C, cylinder; B, bucket and rope; T, turbine; A, airlift; H, hand; G, gasline; E, electric; W, windmill. Number indicates horsepower.

c/ F, public supply; D, domestic; S, stock; Ind, industrial; Irr, irrigation; N, not used.

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
23	--	--	C,W	--	
24	<u>d/</u> 10	1898	None	N	Sand at 300 feet. <u>e/</u> .
25	<u>d/</u> 5	1911	T,E, 3	P	Casing: 6 and 5-inch to bottom. Temperature 75° F.
26	--	--	C,-	--	
27	16.8	Sept. 3, 1942	C,W	D,S	Cased to 37 feet.
28	--	--	C,-	--	Sand reported at 165 to 175 feet.
29	--	--	C,W	--	Cased to 39 feet.
30	--	--	C,-	--	Cased to 27 feet.
31	--	--	--	--	Oil test. See log.
32	--	--	C,-	--	Casing: 277 feet of 4-inch; 28 feet of 2 $\frac{1}{2}$ -inch, perforated.

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
33	+	Aug. 17, 1942	C,E,1 $\frac{1}{2}$ Flows	D,S	Very small flow when visited.
34	8.4	do.	C,E, 1 $\frac{1}{2}$	D,S	Formerly flowed.
35	16.1	Sept. 3, 1942	C,E, 1 $\frac{1}{2}$	D,S	Dug.
36	2.15	do.	None	N	Formerly flowed.
37	--	--	C,-	--	
38	<u>d/</u> 33	1941	C,H,E, 1 $\frac{1}{2}$	D	Cased to 20 feet.
39	--	--	--	--	
40	--	--	C,E, 1 $\frac{1}{2}$	--	Cased to bottom.
41	--	--	C,E, 1 $\frac{1}{2}$	--	Cased to 32 feet.
42	--	--	C,E, 3 $\frac{3}{4}$	D	
43	--	--	C,-	D	Cased to 150 feet.
44	--	--	C,-	--	Cased to bottom.

d/ Water level reported by driller or owner.

e/ Hill, R. T., Geography and Geology of the Black and Grand Prairies, Texas, U. S. Geol. Survey, 21st Ann. Rept., Part 7, pp. 595-606.

Records of wells and springs in Dallas County--Continued

Well	Distance from Grand Prairie	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
45	8 $\frac{1}{2}$ miles northeast	Joe Fields	--	1912?	175	8	1.0
46	9 miles north	E. Harrington	--	1898?	180	6	--
47	7 miles north	Mrs. Mary F. Borah	-- Shafer	1889	970	4	.5
48	do.	-- Brakeen	--	1895?	200	--	--
49	6 $\frac{1}{2}$ miles north	J. E. Millican	Jim Finch	1920?	149	6?	--
50	5 $\frac{1}{2}$ miles north	Mrs. Sally Thompkins	C. H. Gardner	1934	147	6	--
51	5 miles north	R. D. Trigg	do.	1932	205	4, $2\frac{1}{2}$	--
52	5 miles northwest	Mrs. -- McGlethin	do.	1937	251	4	--
53	3 $\frac{1}{2}$ miles northwest	A. L. Morgan	do.	1941	204	4, $2\frac{1}{2}$	--
54	4 $\frac{1}{2}$ miles north	James E. Taylor	do.	1941	228	4, $2\frac{1}{2}$	--
55	do.	George Taylor	do.	1931	115	--	--
56	4 $\frac{1}{2}$ miles north	John Etta Green	do.	1931	72	6	--
57	do.	L. E. Wofford	do.	1930	100	6	--
58	3 miles north	Chas. Rogers	--	Old	15	36	2.0
59	4 miles north	John Gilbert	C. H. Gardner	1934	164	--	--
60	4 $\frac{1}{2}$ miles north	R. Hansen	do.	1930	139	6- 5/8	.5
61	4 $\frac{1}{2}$ miles north	C. H. A. Ruzzell	do.	1929	187	6	--
62	5 miles north	H. L. Field	do.	1937	159	6	--
63	do.	George P. Ridgeway	do.	1937	160	6	--
64	do.	F. P. Robinson	do.	1937	175	6	--
65	do.	Parker W. Howe	do.	1940	186	4	--
66	5 $\frac{1}{2}$ miles northeast	C. C. Weichsel	do.	1927	145	6	--
67	5 miles northeast	Raymond Hines	do.	1940	161	4	--
68	3 $\frac{1}{2}$ miles northeast	Philip Peggs	do.	1940	186	4	--
69	4 $\frac{1}{2}$ miles northeast	J. G. Davis	do.	1933	142	--	--
70	do.	Harry R. Striegler	do.	1936	168	6	--

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
45	10.10	Sept. 3, 1942	C,H,W	D,S	
46	<u>d/</u> 90	1898	C,W	D,S	Sands at 20 and 160 feet. <u>e/</u> .
47	76.3	July 23, 1942	None	N	Flowed in 1898. <u>e/</u> .
48	<u>d/</u> 35	1895	None	N	Sand at 165 feet. <u>e/</u> . Abandoned.
49	<u>d/</u> 50	1920?	C,H,W	D,S	
50	--	--	C,H	--	Cased to 52 feet
51	--	--	--	--	Casing: 175 feet of 4-inch; 33 feet of 2 $\frac{1}{2}$ -inch perforated.
52	--	--	C,-	--	
53	--	--	C,-	--	
54	--	--	C,E, $\frac{1}{2}$	--	
55	--	--	--	--	
56	--	--	C,-	--	Cased to 40 feet.
57	--	--	C,-	--	Do.
58	11.8	Aug. 13, 1942	B,H	D,S	Dug.
59	--	--	C,-	--	Cased to 33 feet.
60	62.5	Aug. 13, 1942	C,W	D,S	
61	--	--	--	--	Cased to 24 feet.
62	--	--	C,W	--	Sand at 79 to 86 feet.
63	<u>d/</u> 70	Feb. 1937	C,-	--	Cased to 32 feet.
64	--	--	C,-	--	Cased to 40 feet.
65	--	--	C,E, $\frac{1}{2}$	--	Cased to bottom.
66	--	--	C,-	--	Cased to 28 feet.
67	--	--	C,E, $\frac{1}{2}$	D,P	Cased to bottom.
68	--	--	C,E, $\frac{1}{2}$	--	Do.
69	--	--	C,E, $\frac{1}{2}$	--	
70	--	--	C,-	--	Cased to 48 feet.

Records of wells and springs in Dallas County--Continued

Well	Distance from Grand Prairie	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
71	4 $\frac{1}{2}$ miles northeast	A. A. Pyfer	C. H. Gardner	1941	187	4	--
72	do.	E. I. Tilson	do.	1936	300	4	--
73	5 miles northeast	W. H. House	J. L. Myers and Sons	1941	240	6, $\frac{1}{4}$	--
74	5 $\frac{1}{2}$ miles northeast	B. M. Brooks	C. H. Gardner	1935	229	--	--
75	6 miles northeast	J. R. Blanton	do.	1927	210	--	--
76	do.	The Salvation Army	J. L. Myers and Sons	--	404	10, 8 $\frac{1}{4}$, 6	--
77	In Irving	City of Irving	do.	1939	494	8-5/8, 7	--
78	do.	do.	-- Stanley	1924	397	6	--
79	7 miles northeast	E. W. Crumley	C. H. Gardner	1936	293	6	--
80	do.	August Bieten	do.	1929	300	6	--
81	6 $\frac{1}{2}$ miles northeast	J. P. Kriese	do.	1937	268	6	--
82	7 miles northeast	Will Pierce	Earl McCrory	--	455	6, 4, 2	--
83	6 $\frac{1}{2}$ miles northeast	W. E. Boles	C. H. Gardner	1930	310	--	--
84	do.	Victor C. Bilbo	do.	1942	293	6	--
85	6 miles northeast	D. W. Cluck	--	--	16	40	3.0
86	do.	E. E. Nation	C. H. Gardner	1939	311	6	--
87	5 $\frac{1}{2}$ miles northeast	Mrs. Joe Lee McLemore	do.	1936	276	6	--
88	do.	do.	do.	1938	238	--	--
89	do.	C. M. Starnes	do.	1940	242	6	--
90	do.	Fae C. Griffis	do.	1939	245	4, 2 $\frac{1}{2}$	--
91	5 miles northeast	E. G. Hild	do.	1939	237	4, 2 $\frac{1}{2}$	--
92	3 $\frac{1}{2}$ miles northeast	Edwin T. Moore	--	--	14	36	3.0
93	3 $\frac{1}{2}$ miles northeast	do.	--	--	190+	5	.0
94	4 $\frac{1}{2}$ miles east	F. H. Heitman	J. L. Myers and Sons	1940	275	4	--

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) a/	Date of measurement			
71	--	--	C,--	--	
72	--	--	C,E	--	Cased to bottom.
73	d/130	Feb. 1941	C,--	--	Casing: 50 feet of 6-inch; 225 feet of 4 $\frac{1}{2}$ -inch. See log.
74	--	--	C,--	--	
75	--	--	C,--	--	
76	d/130	--	--	--	Casing: 40 feet of 10-inch; 345 feet of 8 $\frac{1}{2}$ -inch; 80 feet of 6-inch, perforated opposite
77	d/118	Dec. 15, 1939	T,E, 10	P	Casing: sand at 344 to 401 feet. See log. 392 $\frac{1}{2}$ feet of 8-5/8-inch; 113 feet of perforated 7-inch. Drawdown reported by driller, 56 feet after pumping 125 gallons a minute for 12 hours.
78	d/108	1924	T,E, 10	P	Cased to sand. Yield reported 80 gallons a minute. Temperature 74 ^C F. See log.
	d/126	July 1941			
	d/150	July 1942			
79	--	--	C,E, $\frac{1}{2}$	--	
80	--	--	C,--	--	Cased to 60 feet.
81	d/110	Mar. 1937	C,E, $\frac{1}{2}$	--	
82	d/195	--	C,W	--	
83	--	--	C,--	--	
84	--	--	C,--	--	Cased to 45 feet.
85	14.6	Sept. 4, 1942	C,W,E, $\frac{1}{4}$	D,S	Dug.
86	--	--	C,E, $\frac{1}{2}$	--	Cased to 20 feet.
87	--	--	--	--	Cased to 21 feet.
88	--	--	C,--	--	
89	--	--	C,--	--	Cased to 47 feet.
90	--	--	C,E, $\frac{1}{2}$	--	
91	--	--	C,E, $\frac{1}{2}$	--	
92	11.4	Aug. 17, 1942	C,H	S	Dug.
93	37.45	do.	C,H	D,S	
94	d/110	Sept. 27, 1940	--	--	Cased to 262 feet. See log.

Records of wells and springs in Dallas County--Continued

Well	Distance from Grand Prairie	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
100	1½ miles southwest	R. S. Morris	Mark Raley	1938	2,636	--	.0
101	3½ miles southwest	E. W. Turck	--	1890?	100	--	--
102	2½ miles southeast	Tom Hall	--	--	24	40	2.5
103	4½ miles southeast	Dallas Power and Light Co.	--	--	237	6	--
104	3¾ miles south	Albert N. Smith	Bob Jennings	1898?	99	5-3/16	2.0
105	6 miles south	W. J. e Brown	--	--	35	--	.5
106	5½ miles southeast	W. J. Goldman	J. L. Myers and Sons	1940	190	--	--
107	do.	Cabell Barker	--	1898?	197	4	4.0
108	7 miles southeast	Paul Griffith	J. L. Myers and Sons	1940	667	4, 3	--
109	8½ miles southeast	Fred H. Hastings	Ted Shutt	1910	750	8	--
110	10 miles southeast	John Hall	Wm. Pierce Co.	1941	598	4	--
111	8½ miles southeast	G. W. Trees	--	--	16	40	.0
112	8 miles south	Paul Hintz	--	--	36	40	.5
113	11 miles south	George Holveck	-- Swadley	1930	313	6	--
114	13 miles south	W. W. Seaton	D. C. Mathews	1928	2,660	--	--
115	do.	A. M. Gibson	R. E. Wallen	1935	703	4	--
116	12 miles south	Dr. C. M. Grigsby	J. L. Myers and Sons	--	782	--	--
117	In Cedar Hill	Cedar Hill Co-op Gin Co.	Ted Shutt	1909	650	5	--
118	do.	Town of Cedar Hill	J. L. Myers and Sons	1940	892	8, 5	--
119	12 miles southeast	Frank Wylie	--	--	22	60	2.0
120	14 miles southeast	T. J. Gilliland	--	1942	8	40	1.5

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a</u>	Date of measurement			
100	+	July 2, 1942	Flows	S	Oil test. Estimated flow 1 gallon a minute $\frac{1}{4}$ foot above ground. Temperature 76° F. See log.
101	<u>d</u> /30	--	C,H,7	D,S	
102	15.1	Sept. 3, 1942	B,H	D	Dug.
103	--	--	None	N	
104	5.8	Aug. 12, 1942	None	N	Flow reported 8 gallons a minute when drilled.
105	17.9	Sept. 3, 1942	C,E, $\frac{1}{4}$	D	Dug.
106	--	--	C,G, $1\frac{3}{4}$	D	
107	31.2	Aug. 11, 1942	None	N	Flowed in 1898. Sand at 197 feet. <u>e</u> .
108	<u>d</u> /380	Jan. 1940	C,G, $1\frac{1}{2}$	--	Casing: 4-inch to 652 feet; 3-inch from 637 to 667 feet. See log.
109	<u>d</u> /320	Aug. 1, 1942	C,G, 6	P	Cased to bottom. Supplies 90 families.
110	--	--	C,E, $\frac{3}{4}$	D,S	
111	7.7	Sept. 4, 1942	C,W	S	Dug.
112	28.5	Sept. 3, 1942	None	N	Do.
113	<u>d</u> /181	1930	C,H	D,S	Cased to bottom, 1 joint perforated.
114	--	--	--	--	Oil test. See log.
115	<u>d</u> /300	--	C,W,E, $\frac{1}{2}$	D,S	Cased to bottom.
116	--	--	C,W	--	See log.
117	<u>d</u> /300	July 1942	C,G, 10	P	Cased to 350 feet. Has yielded 30 gallons a minute.
118	<u>d</u> /397	Mar. 22, 1940	T,E, 10	P	Casing: 8-inch to 812 feet; 5-inch from 802 to 892 feet, perforated from 820 to 889 feet. Drawdown reported by driller, about 14 feet when pumped at 50 gallons a minute. City used about 25,000 gallons a day in 1942. See log.
119	9.6	Aug. 11, 1942	B,H	S	Dug.
120	3.8	Sept. 3, 1942	B,H	D,S	Do.

Records of wells and springs in Dallas County--Continued

Well	Distance from Lancaster	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
121	5½ miles southwest	Mrs. J. H. Chapman	--	--	15	40	5.0
122	3½ miles southwest	Pickens Burton	--	--	Spring	--	--
123	3 miles southwest	Lawrence Henry	--	--	36	36	2.0
124	6 miles west	De Soto School	Ted Shutt	1911	864	4	--
125	5 miles northwest	Emil Geppelt	J. L. Myers and Sons	1939	793	7, 5	--
126	7 miles northwest	Lone Star Gas Co.	do.	1940	918	5	--
127	4½ miles northwest	Lou Foote	-- Stoner	1942	907	8, 6-5/8	--
128	2½ miles northwest	Jerome Dean	J. L. Myers and Sons	1941	909	4	--
129	6 miles northwest	Laurel Land Memorial Park	R. H. Dearing and Sons	1923	853	6	--
130	do.	do.	Wallen and Sons	1937	859	6-5/8, 5-3/16	--
131	5½ miles north	R. A. Simpson Est.	Ted Shutt	1911	900+	4	--
132	3¼ miles north	Mrs. E. H. Ray	--	--	35	40	2.0
133	5 miles northeast	Dallas Convalescent Hospital	--	--	1,035+	5	--
134	In Hutchins	W. A. Sears	--	1934?	1,025	5-3/16	--
135	7 miles northeast	Mrs. W. H. Niess	--	--	24	48	2.0
136	6½ miles northeast	Cedric Mocre	--	1940	16	36	3.0
137	3½ miles northeast	Wilmer-Hutchins School Dist.	-- Finch	1936	1,025	5?	--
138	In Lancaster	City of Lancaster	-- Sharp	--	1,057	8	--
139	2½ miles southeast	A. J. Sandling	--	--	18	--	1.0
140	4½ miles east	Mrs. L. B. Miller	--	1910	22	36	.0
141	6½ miles southeast	City of Ferris	R. H. Dearing and Sons	1912	1,400+	8	--
142	8 miles southeast	L. O. Vammack	-- Stoneham	1942	1,322	8, 6, 5	--
143	6 miles east	C. G. Daniel	--	1934	20	1½	2.0

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
121	11.6	Sept. 4, 1942	C,H	D,S	Dug.
122	+	Sept. 1, 1942	Flows	D,S	In creek bank. Estimated flow 2 gallons a minute.
123	17.0	Aug. 7, 1942	B,H	D	Dug.
124	d/240	--	C,E, 2	P	Cased to bottom. Supplies 60 families.
125	d/288	Nov. 24, 1939	T,E	--	Casing: 7-inch to 20 feet; 5-inch from surface to 760 feet. Drawdown reported by driller, 10 feet when bailed at 20 gallons a minute.
126	d/180	--	C,W	D	See log.
127	d/300	--	C,E, 5	D	Casing: 8 and 6-5/8-inch to bottom, perforated from 860 to 907 feet.
128	d/300	--	C,W	D,S	
129	d/230	1937	T,E, 10	Irr	Cased to 850 feet. Reported yield 72 gallons a minute 12 hours daily in summer. Temperature 83 $\frac{1}{2}$ ^o F.
130	d/230	--	C,W	Irr	Casing: 6-5/8-inch to 754 feet; 5-3/16-inch from 754 to bottom. Temperature 82 ^o F. See log.
131	d/250	--	C,W	D,S	
132	28.7	Sept. 1, 1942	B,H	D,S	Dug.
133	d/100	1942	--	P	Reported to have flowed until 1910. Pumped at 35 gallons a minute in 1942.
134	d/180	--	T,E, 3	P	Supplies 100 families.
135	10.2	Aug. 7, 1942	B,H	D,S	Dug. Cased to bottom.
136	8.8	do.	C,H,W	S	Dug.
137	d/100	--	C,E, 2	P	Cased to bottom.
138	d/140	--	T,E, 15	P	Cased to about 400 feet. Reported to have flowed in 1898. <u>e/</u> Drawdown reported by engineer, less than 40 feet when pumped at 250 gallons a minute. Temperature 82 ^o F.
139	12.85	Sept. 1, 1942	C,H	D,S	Dug.
140	7.4	Aug. 6, 1942	C,H,E, $\frac{1}{2}$	P	Do.
141	+	1942	T,E,5 Flows	P	Cased to bottom. Drawdown reported by pumper, 40 feet when pumped at 150 gallons a minute. Supplies 400 connections. Well flows after pump has been idle for 24 hours.
142	--	--	C,E, 1	D,S	Casing: 8 and 6-inch to 1,100 feet; 5-inch reported in bottom. Well flowed until pump was used.
143	11.6	Aug. 7, 1942	C,H	D	Bored by hand.

Records of wells and springs in Dallas County--Continued

Well	Distance fr m Seageville	Owner	Driller	Date com- ple- ted	Depth of well (ft.)	Diam- eter of well (in.)	Height of measuring point above ground (ft.)
144	3 miles south	Ward Finley	--	--	16	40	.5
145	3½ miles southwest	Mrs. Nancy Cobb	--	--	22	1½	--
146	In Seageville	City of Seageville	Mac Wellerford	1911?	1,731	4	--
147	½ mile north	B. J. Davidson	Plaza Oil Co.	1938	3,599½	12	3.0
148	1½ miles northwest	Mrs. Jim Wilson	Willis Bros.	1919?	1,000+	--	--
149	2¼ miles northwest	Federal Reformatory for Women	--	--	34	36	.0
150	3½ miles northwest	dc.	U.S. Geological Survey	1941	36	--	--
151	2 miles northwest	dc.	Layne-Texas Co.	1938	1,846	13, 10 ² , 8-5/8	--
152	2½ miles northwest	dc.	--	--	--	--	3.0
153	5 miles northwest	Dr. W. J. Ridgell	--	--	45	36	2.5
154	6½ miles northwest	H. Scott Cherry	Dallas-Kleburg Oil Co.	1925	1,177	12	1.0
155	7 miles northwest	Burford Jett	--	1929	35	40	.0
156	4½ miles northwest	Clayton Stark	--	1940	38	36	--
Well	Distance from Mesquite	Owner	Driller	Date com- ple- ted	Depth of well (ft.)	Diam- eter of well (in.)	Height of measuring point above ground (ft.)
157	3½ miles southeast	J. A. Cole	--	1932	20	36	1.5
158	2 miles south	W. F. Murphy	Paris Oil Co.	1929	1,332	12, 8	--
159	3½ miles southwest	M. E. Rcmine	L. W. Little Drilling Co.	1941	1,437	6-5/8, 5½	.5
160	2¾ miles west	Schulyer Marshall, Sr.	R. H. Dearing and Sons	1925	1,623	6-5/8	--
161	1½ miles west	Ferris Brick Co.	dc.	1906	1,451	--	--
162	In Mesquite	City of Mesquite No. 2	Layne-Texas Co.	1940	2,555	8-5/8, 7, 5½	.5

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
144	13.7	Sept. 1, 1942	C,W	D,S	Dug.
145	10.1	Aug. 7, 1942	C,H	D,S	Bored by hand.
146	<u>d/</u> 60	July 31, 1941	T,E, --	P	Flowed until 1935. See partial log.
147	26.8	June 19, 1942	None	N	Oil test. Strong flow of water reported at about 2,000 feet. See log.
148	--	--	--	--	Oil test. Small flow of water reported when well was drilled.
149	31.6	July 30, 1941	None	N	Dug.
150	9.5	Dec. 6, 1941	None	N	Test hole bored by hand. See log.
151	<u>d/</u> 22	Nov. 15, 1938	T,E, 100	P	Casing: 13-inch to 407 feet, 10 $\frac{1}{2}$ -inch from 407 to 1,645 feet; 8-5/8-inch from 1,625 to 1,844 feet. Screen at 1,644-1,674, 1,678-1,708, 1,723-1,729, 1,742-1,783 and 1,801-1,833 feet. Drawdown reported by driller 48.3 feet when pumped at 230 gallons a minute. See log.
152	31.35	July 30, 1941	None	N	Bored by hand.
153	35.7	Aug. 4, 1942	B,H	D	Dug.
154	1.02	do.	None	N	Oil test. See log.
155	16.4	do.	C,H,W	D,S	Dug.
156	28.55	do.	D,S	B,H	Do.

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
157	9.1	Aug. 4, 1942	D,S	C,E, $\frac{1}{2}$	Dug.
158	--	--	--	--	Oil test. Reported to have had a flow of water until 1941. See log.
159	163.7	Sept. 2, 1942	D,S	T,E, 5	Cased with 8-5/8 and 5 $\frac{1}{2}$ -inch to 1,387 feet. Reported yield 136 gallons a minute for 3
160	<u>d/</u> 104	Sept. 1925	--	--	Cased to 1,558 feet. Drawdown reported - days. ed by driller, 256 feet when bailed. See log.
161	--	--	--	--	Formerly flowed.
162	<u>d/</u> 62	Jan. 1, 1941	T,E, 30	P	Casing: 8-5/8-inch to 500 feet, 7-inch from 500 to 2,329 feet; 5 $\frac{1}{2}$ -inch from 2,292 to 2,555 feet, perforated from 2,338 to 2,555 feet. Drawdown reported by driller 307 feet when pumped at 216 gallons a minute. See log.

Records of wells and springs in Dallas County--Continued

Well	Distance from Mesquite	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
163	In Mesquite	City of Mesquite no. 1	-- Shook	1909?	1,475+	6,5, 4	--
164	3 ³ / ₈ miles east	Lum Snider	Spence and Jones	1927	1,426	--	--
165	3 miles northeast	W. S. Ragsdale	--	1912?	30	144	2.5
166	1 ³ / ₈ miles north	Dr. W. W. Samuel Est.	L. W. Little Drilling Co.	--	1,680	10 ¹ / ₂ , 7, 5 ¹ / ₄	--
167	3 miles north	H. B. Lowe	--	1942	30	30	2.5
168	5 miles northwest	F. H. Hamilton	--	1920	22	30	2.5
169	5 ¹ / ₂ miles northeast	Ellis Berchard	--	1900	62	36	1.5

Well	Distance from Garland	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
170	5 miles southeast	Swiffer Est.	--	1900	59	36	3.0
171	2 ¹ / ₂ miles southeast	W. P. Wilhite	--	1940	26	48	1.0
172	3 ³ / ₈ miles southwest	City of Dallas	--	1935	16	36	1.0
173	3 ¹ / ₂ miles west	J. A. Sharp	--	1860	55	36	2.0
174	In Garland	City of Garland No. 2	Layne-Texas Co.	1936	2,318	10,7, 5-3/16	
175	ac.	City of Garland No. 1	T. E. Shutt	1922	2,303	10,8, 6,4 ¹ / ₂	--
176	3 ¹ / ₂ miles east	Mrs. Maggie Oliver	--	1927	30	16	.0
177	6 miles east	H. L. Chenault	--	--	16	48	1.0
178	7 miles northeast	A. T. Russell	--	--	28	40	1.0
179	4 ¹ / ₂ miles northeast	Mrs. G. A. Brown	--	1900	37	36	.5
180	4 miles north	R. F. Hamann	--	1936	25	--	--
181	3 miles northwest	Bill Bryant	--	--	Spring	--	--

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
163	--	--	T,E, 20	P	Casing: 100 feet of 6-inch; 180 feet of 5-inch and 4-inch from 280 feet to bottom. Reported to have flowed until about 1914. Pumping
164	--	--	--	--	Oil test. <u>yield now 140 gallons a minute.</u>
165	10.03	Aug. 4, 1942	B,H	D,P	Dug. Supplies 9 families.
166	<u>d/</u> 90	--	--	--	Casing: 69 feet of 10 $\frac{1}{2}$ -inch; 1,475 feet of 7-inch; then 5 $\frac{1}{2}$ -inch to bottom. Reported yield 200 gallons a minute for 48 hours. See
167	10.5	Aug. 5, 1942	B,H	D,S	Dug. <u>log.</u>
168	9.3	do.	B,H	D	Dug. Supply reported small.
169	43.5	do.	B,H	D,S	Dug.

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
170	14.4	Aug. 5, 1942	B,H	D	Dug.
171	20.2	do.	C,E, $\frac{1}{4}$	D	Dug. Reported to fail during drought.
172	6.0	Aug. 24, 1942	C,E, 1/6	P	Dug.
173	24.25	Aug. 6, 1942	C,W	S	Dug. Diameter 24 feet at bottom. Supply reported small.
174	<u>d/</u> 150	Oct. 9, 1936	T,E, 30	P	Casing: 10-inch to 512 feet; 7-inch from 512 to 2,204 feet; 5-3/16-inch from 2,191 to 2,318 feet, bottom 98 feet perforated. Drawdown reported by driller 167 feet when pumped at 278 gallons a minute. Temperature 105° F. See
175	<u>d/</u> 109	Mar. 1932	T,E, 20	P	Casing: 10, 8, 6 and 4 $\frac{1}{2}$ -inch to bottom; <u>log.</u> 147 feet of 4 $\frac{1}{2}$ -inch casing perforated. Reported drawdown 166 feet when pumped at 173 gallons a minute in 1936. Temperature 106° F. See log.
	<u>d/</u> 119	1936			
176	19.5	Aug. 5, 1942	C,E, 3	D	Dug. Formerly supplied 9 families and a gin.
177	6.2	do.	C,G, 4	D,S, Ind	Dug.
178	11.5	Sept. 2, 1942	B,H	D,S	Do.
179	20.7	Aug. 5, 1942	C,E, 1/6	D	Do.
180	<u>d/</u> 10	--	C,H,W	D,S	Do.
181	+	Aug. 6, 1942	C,E, $\frac{1}{2}$ Flows	D,S	On bank of creek. Measured flow, 10 gallons a minute. Said to have failed twice in the last 50 years. Temperature 68° F.

Records of wells and springs in Dallas County--Continued

Well	Distance from Garland	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
182	3 miles northwest	Bill Bryant	--	--	Spring	--	--
183	5½ miles northwest	W. J. Lang	J. L. Myers and Sons	1941	1,232	8,5½ 4	--
Well	Distance from Dallas Courthouse	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
184	12 miles northeast	Floyd West	J. L. Myers and Sons	1939	1,169	8,7,3	--
185	In Richardson	City of Richardson	R. H. Dearing and Sons	1925	1,947	8½,6	--
186	11 miles northeast	Restland Memorial Park	J. L. Myers and Sons	1939	1,166	10,8, 7	--
187	12 miles northeast	W. S. Kilbourne	do.	1939	1,114	7, 5-3/16	--
188	13 miles north	H. D. McEwen	do.	--	964	7	--
189	do.	-- Murchison	do.	--	995	12,10, 8,6-5/8	--
190	do.	Dallas County	--	--	Spring	--	--
191	12 miles north	C. D. Bell	J. L. Myers and Sons	--	831	--	--
192	do.	Bert Fields	--	1938	880	10,8, 6	--
193	do.	James N. Tardy	J. L. Myers and Sons	--	926	--	--
194	11 miles north	Mrs. L. J. Pepperberg	do.	1915	909	8,6-5/8, 5-3/16	--
195	do.	E. E. Folgelson	do.	1938	892	6-5/8	--
196	do.	Dr. M. M. Paule	do.	--	880	--	--
197	10 miles north	Eddie V. Schaub	do.	--	715	--	--
198	do.	Alvin M. Loeb	do.	1940	734	6,4,3	--
199	do.	Ira F. DeLoach	L. W. Little Drilling Co.	1941	1,077	5-3/16, 4½	--

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
182	+	Aug. 6, 1942	Flows	S	In bed of creek. Estimated flow $\frac{1}{2}$ gallon a minute.
183	<u>d/160</u>	Feb. 20, 1941	--	--	Casing: 8-inch to 89 feet; 5 $\frac{1}{8}$ -inch from surface to 1,163 feet; 4-inch from 1,127 to 1,232 feet, perforated. See log.

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
184	--	--	C,-	--	Casing: 43 feet of 8-inch; 1,000 feet of 7-inch; 63 feet of 3-inch perforated. See log.
185	<u>d/191</u>	Sept. 12, 1929	T,E, 15	P	Casing: 8 $\frac{1}{4}$ -inch to 1,816 feet; perforated 6-inch from 1,786 to 1,947 feet. Reported yield 121 gallons a minute. Temperature 106° F.
186	--	--	--	--	Casing: 50 feet of 10-inch; 990 feet of 8-inch; 208 feet of 7-inch. See log. See log.
187	<u>d/195</u>	June 1939	T,E	--	Casing: 7-inch to 1,064 feet; 5-3/16-inch from 1,046 to 1,114 feet. Drawdown reported by driller, 30 feet after bailed at 30 gallons a minute for 8 hours. See log.
188	--	--	--	--	Cased to 920 feet. See log.
189	--	--	--	--	Casing: 12-inch to 40 feet; 10-inch from surface to 690 feet; 8-inch from 670 to 800 feet; 6-5/8-inch from 795 to 995 feet. See log.
190	+	Aug. 24, 1942	Flows	D,S	On slope to creek. Estimated flow 20 gallons a minute. Known as "Kelly Springs".
191	--	--	--	--	See log.
192	<u>d/174</u>	Aug. 1938	--	--	Casing: 10-inch to 40 feet; 8-inch from surface to 848 feet; 6-inch from 827 to 880 feet. Drawdown reported by driller, 30 feet when bailed at 40 gallons a minute. See log.
193	<u>d/180</u>	--	--	--	Drawdown reported by driller, 20 feet when bailed at 35 gallons a minute. See log.
194	<u>d/109</u>	July 18, 1935	C,E, 2	D	Casing: 8-5/8-inch to 36 feet; 6-5/8-inch from surface to 750 feet; 5-3/16-inch from 732 to 909 feet, 65 feet perforated. See log.
195	--	--	--	--	Cased to 855 feet. See log.
196	<u>d/200</u>	--	--	--	See log.
197	--	--	--	--	Do.
198	<u>d/160</u>	1940	C,E, 1	--	Casing: 6-inch to 44 feet; 4-inch from surface to 705 feet; 3-inch from 694 to 734 feet, perforated. See log.
199	<u>d/240</u>	Apr. 19, 1941	T,E	--	Casing: 5-3/16-inch to 1,044 feet; 4 $\frac{1}{8}$ -inch perforated liner. Drawdown reported by driller 20 feet when bailed at 30 gallons a minute. See partial log.

Records of wells and springs in Dallas County--Continued

Well	Distance from Dallas Courthouse	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
200	9 $\frac{1}{2}$ miles north	D. L. Keeney	--	--	775	6,4	--
201	do.	R. V. Malone	J. L. Myers and Sons	1940	767	4	--
202	do.	H. L. Graham	W. M. Pierce	1941	755	7,4, 2 $\frac{1}{2}$	--
203	9 miles north	Dr. J. L. Jenkins	J. L. Myers and Sons	1938	1,065	7,5	--
204	do.	-- Everts	--	--	974	--	--
205	10 miles northeast	J. Kilchenstein	J. J. Myers and Sons	1936	1,127	6,5	--
206	8 miles northeast	Carl A. Mangold, Jr.	Layne-Texas Co.	1937	1,075	7,5 $\frac{1}{2}$	--
207	7 $\frac{1}{2}$ miles northeast	Works-Coleman Land Co.	R. H. Dearing and Sons	--	1,007	6,4	--
208	do.	Reynolds Presbyterian Church	do.	1927	1,020	6-5/8, 5-3/16	2.0
209	do.	Glen Lakes Country Club	J. L. Myers and Sons	1939	1,125	10,8, 7	--
210	6 miles north	Underwood and Ezell	C. H. Gardner	1940	847	8,6 $\frac{1}{2}$, 4 $\frac{1}{2}$	--
211	do.	Miller McCraw	J. E. Millican	1925	800	8 $\frac{1}{2}$, 6-5/8, 5-3/16	--
212	6 $\frac{1}{2}$ miles north	Harry W. Bass	J. L. Myers and Sons	1940	1,000	8, 6-5/8	--
213	7 $\frac{1}{2}$ miles north	Preston Road Fresh Water Supply Dist. No. 10	R. H. Dearing and Sons	1925	975	8	--
214	7 miles north	Har. L. Byrd	J. L. Myers and Sons	--	850	8, 6-5/8, 5-3/16	--
215	9 miles northwest	A. F. Dietrich	C. H. Gardner	1928	616	--	--
216	7 $\frac{1}{2}$ miles northwest	J. F. Reeves	do.	1928	650	--	--
217	do.	Walnut Hill School	do.	1930	605	4	--
218	do.	M. K. Leeper	do.	1934	602	4	--
219	do.	J. B. Stigall	do.	--	620	--	--
220	8 $\frac{1}{2}$ miles northwest	Royal A. Ferris	do.	1927	506	6, 4	--

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) _{a/}	Date of measurement			
200	--	--	C,W	--	Casing: 6-inch to 21 feet; 4-inch from surface to 750 feet. See log.
201	d/250	Jan. 1940	C,-	--	Cased to 741 feet. See log.
202	--	--	C,E, 1	D	Casing: 7-inch to 43 feet; 4-inch from surface to 735 feet; perforated 2 $\frac{1}{2}$ -inch from 729 to
203	d/220	Oct. 27, 1938	--	--	Casing: 7-inch to 904 feet; 5-inch from 883 to 1,055 feet, bottom 23 feet perforated. See log.
204	--	--	T,-	--	Reported yield 278 gallons a minute.
205	--	--	C,W,E, 1	D	Casing: 6-inch to 974 feet; 5-inch from 950 to 1,096 feet. See log.
206	d/185	Dec. 21, 1936	T,E, 5	D	Drilled to 1,158 feet and plugged back. Casing: 7-inch to 1,029 feet; 5 $\frac{1}{2}$ -inch from 1,005 to 1,075 feet, bottom 58 feet perforated. Drawdown reported by driller, 25 feet when pumped at 25 gallons a minute. See log.
207	--	--	--	--	Casing: 6-inch to 937 feet; 4-inch from about 930 to 1,007 feet, perforated opposite 8 and
208	206.3	Aug. 24, 1942	A,-	N	Casing: 6-5/8-inch to 935 feet; 5-3/16-inch from 895 to 1,020 feet, bottom 85 feet perforated. See log.
209	d/170	Apr. 3, 1939	--	--	Casing: 10-inch to 41 feet; 8-inch from surface to 994 feet; 7-inch from 965 to 1,125 feet. Drawdown reported by driller 10 feet when bailed at 50 gallons a minute for 6 hours.
210	d/270	May 1940	C,E, 3	F	Casing: 8-inch to 18 feet; 6 $\frac{1}{2}$ -inch from surface to 776 feet; 4 $\frac{1}{2}$ -inch from 759 to 847 feet, perforated from 830 to 844 feet. See log.
211	d/165	Apr. 7, 1925	--	--	Casing: 8 $\frac{1}{2}$ -inch to 145 feet; 6-5/8-inch from 22 to 755 feet; 5-3/16-inch from 748 to 800 feet, bottom 42 feet perforated. See log.
212	d/220	1940	--	--	Casing: 8-inch to 974 feet; 6-5/8-inch from 922 to 1,000 feet, bottom 65 feet perforated. Drawdown reported by driller, 15 feet when bailed at 35 gallons a minute. See log.
213	--	--	None	N	Cased to 935 feet. See log. log.
214	d/200	--	--	--	Casing: 8-inch to 42 feet; 6-5/8-inch from surface to 744 feet; 5-3/16-inch from 725 to 850 feet, bottom 105 feet perforated. See log.
215	--	--	C,-	D,S	
216	--	--	C,W	--	
217	d/250	June 1930	C,E, 1	D,S	Cased to bottom.
218	d/200	--	C,W,E, $\frac{1}{2}$	D	Cased to 595 feet.
219	--	--	C,W	--	
220	--	--	C,-	--	

Records of wells and springs in Dallas County--Continued

Well	Distance from Dallas Courthouse	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
221	8 $\frac{1}{2}$ miles northwest	Rae Skillern	R. H. Dearing and Sons	1926	310	6-5/8, 5-3/16	--
222	10 miles northwest	Dallas County Dist. No. 1	C. H. Gardner	1931	283	6	--
223	9 $\frac{1}{2}$ miles northwest	J. Fred Smith Gravel Co.	do.	1937	365	8, 6, 4	--
224	9 miles northwest	J. T. Lively and Son	--	Old	360	4	--
225	do.	do.	C. H. Gardner	1941	20	6	--
226	8 $\frac{1}{2}$ miles northwest	Russel A. Singleton	do.	1934	328	6, 4, 2 $\frac{1}{2}$	--
227	9 miles northwest	John W. Schwab	--	--	16	--	--
228	7 $\frac{3}{8}$ miles northwest	Letet Baptist Church	C. H. Gardner	1942	355	--	--
229	do.	Ed Mavbery	do.	1939	355	6	--
230	do.	A. and Rex McCullough	J. L. Myers and Sons	1940	380	6?	--
231	do.	W. Albert Bluhm	C. H. Gardner	1940	349	6	--
232	do.	Felix D. Robertson	do.	1933	315	--	--
233	do.	Miss Bess Carroll	do.	1939	327	4, 2 $\frac{1}{2}$	--
234	7 miles northwest	Colonial Motor Lodge, Inc.	do.	1942	365	6	--
235	6 $\frac{1}{2}$ miles northwest	L. W. Lunt	do.	1936	365	6	--
236	do.	J. B. Hildreth	do.	1941	375	6	--
237	7 miles northwest	J. P. Ballowe	do.	1938	290	6	--
238	do.	Union Bower School	do.	1927	385	4	--
239	6 miles northwest	City of Dallas no. 4	R. H. Dearing and Sons	1910	1,527	10, 8	--
240	do.	City of Dallas no. 18	do.	1910	548	3	--
241	5 miles northwest	Brock Hollow Country Club	--	--	50	96	1.0
242	5 $\frac{1}{2}$ miles northwest	Texas Textile Mills	--	1917	548	6, 5	--
243	6 $\frac{1}{2}$ miles northwest	J. L. Hathaway	R. E. Wallen and Sons	1938	495	4 2 $\frac{1}{2}$	--
244	5 $\frac{1}{2}$ miles northwest	L. J. Lissauer	--	1937	559	--	--
245	do.	J. F. Stephenson	R. H. Dearing and Sons	1925	398	6, 6	--

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) _{a/}	Date of measurement			
221	--	--	--	--	Casing: 6-5/8-inch to 753 feet; 5-3/16-inch liner set on bottom, lowermost 52 feet per-
222	--	--	C,-	--	Cased to 25 feet. forated. See log.
223	d/ 30	Sept. 6, 1937	--	--	Casing: 8-inch to 18 feet; 6-inch from surface to 319 feet; 4-inch from 304 to 365 feet. Sands at 216-224 and 350-365 feet.
224	d/ 60	1940	C,E, 7 1/2	N	Cased to bottom.
225	d/ 8	1941	C,E, 3	S,Ind	Water from gravel at 18 feet.
226	--	--	C,-	--	Casing: 6-inch to 19 feet; 4-inch from surface to 326 feet; perforated 2 1/8-inch from 316 to
227	--	--	C,E, 1 1/2	D	Bored by hand. 328 feet.
228	d/ 70	Apr. 16, 1942	C,E, 1 1/2	--	Drawdown reported by driller, 12 feet when pumped at 10 gallons a minute.
229	--	--	C,E, 1 1/2	--	Cased to 19 feet.
230	d/ 75	1940	C,E, 1 1/2	P	See log.
231	--	--	C,E, 1 1/2	--	Cased to 17 feet.
232	--	--	C,E, 1 1/2	--	
233	--	--	C,E, 1 1/2	--	Cased with 4-inch and perforated 2 1/8-inch liner.
234	d/ 50	Mar. 1942	C,E, 1 1/2	P	Cased to 14 feet.
235	--	--	C,-	--	
236	--	--	C,E, 1 1/2	--	Cased to 22 feet.
237	--	--	C,E, 1 1/2	D	Cased to 37 feet.
238	--	--	C,-	P	Casing: 4-inch to 371 feet; 23 feet of perforated liner. Well deepened from 345 to 385
239	--	--	None	N	Casing: 10-inch to 891 feet; feet in 1929. 8-inch to 1,377 feet. See log.
240	--	--	None	N	Cased to 344 feet. See log.
241	20.43	July 23, 1942	T,E, 10	Irr	Dug.
242	d/ 85	June 1937	C,E, 2	Ind	Casing: 6-inch to 400 feet; 5-inch from 400 to 548 feet. Drawdown reported by mill superintendent, 55 feet when pumped at 80 gallons a
243	d/106	Aug. 1938	C,-	--	See log. minute.
244	--	--	--	--	Do.
245	--	--	--	--	Casing: 8-inch to 842 feet; 6-inch perforated from 851 to 891 feet. See log.

Records of wells and springs in Dallas County--Continued

Well	Distance from Dallas Courthouse	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of point above ground (ft.)
246	5 miles northwest	W. A. Bradshaw	J. L. Myers and Sons	1939	532	6	--
247	3½ miles northwest	Texas Oak Flooring Co.	B. J. Harper	1922	330	10	--
248	2½ miles northwest	City of Dallas no. 15	R. H. Dearing and Sons	1910	693	6	--
249	do.	City of Dallas no. 2	do.	1910	1,405	10,8	--
250	2 miles northwest	City of Dallas no. 1	do.	1907	1,423	10,8	--
251	3¼ miles north	City of Highland Park no. 3	do.	1924	2,875	8½, 6	8.0
252	do.	City of Highland Park no. 1	F. J. Harper	1913	2,700+	8, 6	.0
253	4 miles north	City of Highland Park no. 2	R. H. Dearing and Sons	1923	2,861	8½	4.0
254	4½ miles north	H. D. Lindsley	do.	--	1,018	--	--
255	4¾ miles north	City of University Park	--	1915	2,850	12	--
256	5½ miles north	do.	--	--	--	--	4.0
257	4¾ miles northeast	Southern Methodist University	--	1925	2,999	8, 6-5/8	--
258	3½ miles northeast	Vickery Place	--	--	986	6	--
259	3 miles northeast	Terrill Preparatory School and Junior College	R. H. Dearing and Sons	1911	954	6	--
260	do.	Hunger Place	do.	1911	920	8, 6	--
261	4¼ miles northeast	Lakewood Country Club	do.	1926	1,880	8, 6	2.0
262	8 miles northeast	G.C. and S.F. Ry. Co.	--	Old	10	30	.0
263	7½ miles east	Buckner Orphans Home	R. H. Dearing and Sons	1925	1,600+	--	--
264	do.	do.	do.	1925	3,368	--	--
265	do.	do.	--	1898?	1,270	--	--
266	6 miles east	do.	R. H. Dearing and Sons	1915	1,343	6	2.0
267	do.	G. G. Slack	B. J. Harper	1923	1,302	6-5/8	--

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
246	d/100	Nov. 1939	C,W,E, 1/2	P	Casing perforated from 500 to 532 feet.
247	--	--	A,E	Ind	Reported yield 30,000 gallons in about 7 hours. Temperature 80 ^c F.
248	--	--	None	N	Cased to 441 feet. See log.
249	--	--	None	N	Casing: 10-inch to 767 feet; 8-inch from 738 to 1,225 feet. See log.
250	d/+51	1907	None	N	Flowed from sand at 364-371 feet. See log.
251	d/+30	June 1924	T,E, 150	N	Originally drilled to 1,740 feet, later deepened to 2,875 feet. Present casing: 8 ^{1/4} -inch to 2,560 feet; 6-inch from 2,511 to 2,865 feet, 314 feet perforated. Not used since 1930. Reported did yield up to 1,200 gallons a
	116.8	June 25, 1942			
252	+ 14	June 25, 1942	Flows	P	Casing: 8-inch to 1,700 feet; 6-inch to 2,600 feet. With wells 251 and 253 supplied Highland Park from 1913 to 1930. Reported yield up to 1,200 gallons a minute. See log.
253	d/+10	1924	T,E, 75	N	Cased to 2,570 feet. Reported former yield up to 1,000 gallons a minute. See log.
	112.0	June 25, 1942			
254	--	--	--	--	Casing: 6-inch set at 986 feet; 4-inch from 986 to 1,018 feet, perforated at 987-997 and
255	d/+46	1915	C,E	N	Flowed when drilled. Pumped at 550 gallons a minute in 1,000-1,016 feet. See log.
	d/105	--			
256	120.6	June 25, 1942	A,-	N	Reported to have had a yield of 420 gallons a minute. See log.
257	d/ 65	1925	T,E, 25	P	Casing: 8-inch to 580 feet; 6-5/8-inch from 580 to 2,681 feet. Reported yield 175,000
	d/125	1942			
258	--	--	--	--	Cased to about 950 feet. Not used since 1932. See log.
259	--	--	--	--	Reported yield 104,000 gallons a day when drilled. See log.
260	--	--	--	--	Casing: 8-inch to 844 feet; 6-inch from 819 to 928 feet. See log.
261	123.4	July 9, 1942	None	N	Casing: 8-inch to 1,047 feet; 6-inch from 846 to 1,880 feet, perforated opposite two bottom sands. Not used since 1930. See log.
262	5.6	Aug. 24, 1942	None	N	Dug.
263	--	--	T,E	P	Reported to have yielded 200,000 gallons in 24 hours on test.
264	--	--	T,E	Irr	See log.
265	d/ 60	1898	None	N	Reported yield 20 gallons a minute in 1898. <u>e/</u>
266	182.2	June 22, 1942	C,E, 3	D,S	Cased to 1,148 feet. See log.
267	d/165	June 1942	T,G, 21	P	Cased to bottom; 60 feet of perforated liner. Drawdown reported by owner, 88 feet when pumped at 132 gallons a minute for 4 minutes. Pumped average of 12 hours a day to supply Urbandale. Temperature 91 ^o F.

Records of wells and springs in Dallas County--Continued

Well	Distance fr m Dallas Courthouse	Owner	Driller	Date com- ple- ted	Depth of well (ft.)	Diam- eter of well (in.)	Height of measuring point above ground (ft.)
268	7 miles east	Mrs. E. T. Cox	Bert Little	1938	1,301	7,5 $\frac{1}{2}$	--
269	7 miles southeast	Leonard Bradford	R. H. Dearing and Sons	1914	1,265	6	--
270	dc.	Sam Murray	L. W. Little Drilling Co.	--	1,560	5-3/16, 4 $\frac{1}{2}$	--
271	8 miles southeast	S. S. Conner	--	1927	1,160	6	--
272	dc.	S. D. Sprinkle	B. J. Harper	1931	1,260	8,6	--
273	9 $\frac{1}{2}$ miles southeast	Frank W. Bevill	Frank W. Bevill	1937	30 $\frac{1}{2}$	6	.0
274	8 miles southeast	Mercedes Montgomery	--	--	28 $\frac{1}{2}$	4	--
275	5 miles southeast	Jaffee Cotton Products Co.	R. H. Dearing and Sons	1925	950	8?	--
276	dc.	dc.	--	1925	40	72 by 240	2.0
277	dc.	W. M. Kirby	--	1927	23	1 $\frac{1}{2}$	4.0
278	4 miles southeast	Green Floral Co.	R. H. Dearing and Sons	1912	877	4,2 $\frac{1}{2}$	--
279	4 miles east	Silvers Box Factory	dc.	1920	1,009	8,6	--
280	2 miles east	Texas Ice and Cold Storage Co.	dc.	1915	826	8	--
281	dc.	Thrift Packing Co.	J. L. Myers and Sons	1935	946	10,8, 6	--
282	2 $\frac{1}{2}$ miles southeast	Proctor and Gamble	Harper and Green	1922	2,650	12	--
283	4 miles south	Cedar Crest Country Club	--	--	1,500+	--	--
284	3 $\frac{3}{4}$ miles south	Texas Electric Ry. Co.	R. H. Dearing and Sons	1913	908	6	--
285	3 $\frac{1}{2}$ miles south	City of Dallas no. 39	Layne-Texas Co.	1938	2,921	18-5/8, 10 $\frac{3}{4}$,8	--
286	5 miles south	Trinity Courts	L. W. Little Drilling Co.	1931	860+	6	--
287	dc.	City of Dallas no. 37	B. J. Harper	1930	2,922	18,8	--
288	6 $\frac{1}{2}$ miles southwest	A. A. and J. M. Heibel	J. L. Myers and Sons	1940	661	6,4	--
289	7 miles southwest	F. W. Bartlett	C. H. Gardner	1939	685	4,2	--
290	dc.	Leslie Brown	J. L. Myers and Sons	1941	680	6,4.3	--

Well	WATER LEVEL		Method of lift <u>b/</u>	Use of water <u>c/</u>	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
268	--	--	T, J, 10	P	Casing: 7-inch to 1,150 feet; 5½-inch perforated liner. Supplies 170 families.
269	--	--	--	--	See log.
270	--	--	--	--	Casing: 5-3/16-inch to 1,320 feet; 4½-inch perforated liner.
271	<u>d/</u> 135	--	T, E, 15	P	Reported yield 60 gallons a minute. Supplies 45 families.
272	<u>d/</u> 135	Mar. 1942	T, E, 15	P	Casing: 8-inch blank to top of sand and 6-inch perforated liner. Reported yield, 150 gallons a minute for 8 hours a day. Supplies 275 families.
273	24.65	Sept. 2, 1942	C, E, ¼	D, S	Bored by hand. Cased to bottom. Bottom 6 feet is sand and gravel.
274	<u>d/</u> 12	--	C, W	D, S	Gravel reported at 27 to 28.5 feet.
275	<u>d/</u> 138	1939	C, -	Ind	Cased to bottom. Plant formerly used 800,000 gallons a day from this well and well 276.
276	18.4	Aug. 6, 1942	C, -	Ind	Dug. Reported capacity, 50,000 gallons a day.
277	14.7	Sept. 2, 1942	C, H, E, ¼	D, S	Bored by hand. Sand point at bottom.
278	--	--	--	--	Casing: 4-inch to 846 feet; 2½-inch perforated liner in bottom. See log.
279	--	--	--	--	Casing: 8-inch to 81 feet; 6-inch from surface to 990 feet. Originally pumped at 15 gallons a minute. See log.
280	--	--	--	--	Casing: 8-inch to 772 feet. Yield reported by driller, 160,000 gallons a day. See log.
281	<u>d/</u> 219	Dec. 1935	--	--	Casing: 10-inch to 40 feet; 8-inch from surface to 863 feet; perforated 6-inch from 843 to 946 feet. See log.
282	<u>d/</u> +25	1922	T, E, 20	Ind	Flowed until 1928. Temperature 110° F.
283	<u>d/</u> 100	--	--	--	Drawdown reported by engineer, 40 feet when pumped at 100 gallons a minute.
284	<u>d/</u> 200	1942	None	N	Cased to 866 feet. Reported yield 80,000 gallons in 24 hours when drilled.
285	<u>d/</u> 175	July 29, 1938	T, E, --	P	Casing: 18-5/8-inch to 654 feet; 14¾-inch from 614 to 262 feet; 8-5/8-inch from 2,531 to 2,899 feet, screen from 2,620 to 2,883 feet, underreamed and gravel-packed wall. Drawdown reported by driller 198 feet when pumped at 1,158 gallons a minute. Temperature 115° F.
286	<u>d/</u> 270	--	--	-P	Water from below 760 feet. See log.
287	--	--	None	N	Casing: 18-inch to 588 feet; 8-inch on to bottom. Water never cleared up and well was abandoned. See log.
288	<u>d/</u> 125	Feb. 1940	C, E, 1	D	Cased with 20 feet of 6-inch and 637 feet of 4-inch. See log.
289	--	--	C, M	--	Casing: 4-inch to 645 feet; perforated 2-inch from 609 to bottom. Deepened from 172 to 685 feet.
290	<u>d/</u> 330	1941	C, E, 1½	--	Casing: 6-inch to 101 feet in 1939. See log. 4-inch to 635 feet; 3-inch to 680 feet. See log.

Records of wells and springs in Dallas County--Continued

Well	Distance from Dallas Courthouse	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
291	8 miles southwest	Magnolia Petroleum Co.	J. L. Myers and Sons	1940	880	10, 6-5/8	--
292	3 1/2 miles southwest	Consumers Ice Co.	R. H. Dearing and Sons	1915	857	4	--
293	2 3/4 miles southwest	Interstate Suburban Realty Co.	do.	1911	910	8	--
294	3 1/2 miles southwest	City of Dallas no. 28	do.	1930	2,634	18 1/2, 8 1/2, 6-5/8	--
295	4 1/2 miles southwest	City of Dallas no. 36	do.	1927	2,652	12 1/2, 8	--
296	5 miles southwest	Nelson A. Ferry	-- Stmacher	1940	793	6-5/8	--
297	do.	R. L. Meredith	--	1890?	365	5	--
298	5 1/2 miles southwest	Chalkhill Drive-In Theatre	C. H. Gardner	--	555	6, 4	--
299	do.	Sisters of Our Lady of Charity	B. J. Harper	1922	1,492	6, 4 1/2	--
300	6 1/2 miles southwest	Dallas County Fresh Water Dist. no. 1	J. L. Myers and Sons	1937	556	7, 5 1/2, 4	--
301	5 1/2 miles west	Trinity Portland Cement Co.	B. J. Harper	1908	1,550+	8	--
302	do.	do.	do.	1908	1,550+	8	--
303	4 1/2 miles west	The Texas Co. no. 3	do.	1923	2,485	8	1.0
304	do.	The Texas Co. no. 1	do.	1907	1,400+	6, 4 1/2	--
305	4 miles west	The Texas Co. no. 4	do.	1926	1,392	20, 12, 10.	--
306	do.	The Texas Co. no. 2	The Texas Co.	1915	2,375	12, 8, 6, 5, 4 1/2	10.0
307	3 1/2 miles west	G.C. and S.F. Ry. Co.	--	1898?	417	5, 4	2.0
308	3 miles west	Texas Railway Equipment Co.	R. H. Dearing and Sons	1936	629	8, 6	1.0

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
291	d/360	1940	T,E, 10	Ind	Cased with 40 feet of 10-inch and 659 feet of 6-5/8-inch. Temperature 81° F. See log.
292	--	--	--	--	See log.
293	d/110	1911	--	--	Cased to 744 feet. Reported 18 feet of sand.
294	--	--	T,E, 200	P	Casing: 18 $\frac{1}{4}$ -inch to 600 feet; 8 $\frac{1}{4}$ -inch from 585 to 2,307 feet; 6-5/8-inch from about 2,300 to 2,634 feet, perforated opposite sands. City reports yield was 1,200 and 930 gallons a minute in 1931 and 1935, respectively. Temperature 104° F. See log.
295	--	--	None	N	Casing: 12 $\frac{1}{2}$ -inch to 587 feet; 8-inch to 2,297 feet. Reported yield 1 $\frac{1}{2}$ million gallons a day when drilled. Abandoned and filled up with clay in 1931.
296	d/400	--	C,E, 1	P	Cased to bottom. See log.
297	d/120	--	C,W	D,S	
298	--	--	C,-	P	Casing: 6-inch to 548 feet; perforated 4-inch from 525 to 555 feet.
299	d/358	Nov. 20, 1933	A	D	Casing: 6-inch to 1,410 feet; perforated 4 $\frac{1}{2}$ -inch from 1,390 to 1,492 feet. Drawdown reported 54 feet after pumping 30 gallons a minute for several hours. See log.
300	d/147	1937	T,E, 10	P	Casing: 7-inch to 360 feet; 5 $\frac{1}{2}$ -inch from 355 to 462 feet; 4-inch from 455 to 556 feet, perforated at 360-383, 429-456, 518-525 and
301	d/220	1942	A	Ind	Drawdown reported 542-551 feet. See log. by plant engineer, 40 feet after pumping at 300 gallons a minute for several hours.
302	d/+40 d/220	1908 1942	T,E, 30	Ind	Flowed when drilled. Drawdown reported by plant engineer 40 feet after pumping at 260 gallons a minute for several hours.
303	149.00	July 1, 1942	T,E, 125	Ind	Cased to 2,195 feet. Reported to have flowed 600 gallons a minute when drilled; stopped flowing in 1926. Present pump yield 750 gallons a minute. Temperature 86° F. See log.
304	d/ 97	Apr. 6, 1921	A	Ind	Reported yield 165 gallons a minute. Temperature 87° F.
305	d/135	1929	T,E, 30	Ind	Casing: 424 feet of 20-inch; 850 feet of 12-inch; 197 feet of 10-inch. Reported yield 250 gallons a minute. Temperature 87° F.
306	d/124.7	May 11, 1939	A	Ind	Cased to bottom; 275 feet perforated 4 $\frac{1}{2}$ -inch in bottom. Reported yield in 1939, 330 gallons a minute; present yield, 50 gallons a minute.
307	23.3	July 29, 1942	None	N	Reported to have flowed in 1898. e/ Temperature 96° F. See log.
308	139.7	July 27, 1942	None	N	Casing: 8-inch to 495 feet; 6-inch from 489 to 629 feet, bottom 41 feet perforated. A similar well is near this well to the north. See log.

Records of wells and springs in Dallas County--Continued

Well	Distance from Dallas Courthouse	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
309	3 miles west	Lone Star Cement Corp. no. 4	R. F. Dearing and Sons	1925	2,516	8 $\frac{1}{2}$, 6	--
310	do.	Lone Star Cement Corp. no. 2	--	--	900+	10	.0
311	do.	Lone Star Cement Corp. no. 3	--	--	1,500+	10	.0
312	2 $\frac{1}{2}$ miles southwest	Motor Hotel Corp.	J. L. Myers and Sons	--	805	--	--
313	do.	Charles Reasonover	do.	--	585	8, 6, 4 $\frac{1}{2}$	--
314	2 miles west	Master Petroleum Co. No. 2	R. H. Dearing and Sons	1927	722	8, 6	--
315	1 $\frac{1}{2}$ miles west	Dr. John Kelly	Little Drilling Co.	1941	945	5 $\frac{1}{2}$	--
316	1 $\frac{1}{2}$ miles southwest	L. W. Little	L. W. Little	1937	860	6	--
317	do.	do.	do.	1936	780	6	--
318	1 $\frac{1}{2}$ miles southwest	W. C. Graves	Little Drilling Co.	1937	800	4	--
319	1 $\frac{1}{4}$ miles northwest	City of Dallas no. 14	R. H. Dearing and Sons	1911	800	--	--
320	1 $\frac{1}{2}$ miles northwest	City of Dallas no. 12	B. J. Harper	1911	2,578	14, 10, 8, 6, 4 $\frac{1}{2}$	--
321	do.	City of Dallas "Gill" well	--	1902	2,585	10, 8, 6, 4	--
322	$\frac{3}{4}$ mile northwest	Dallas Power and Light Co.	--	1898	570	8	--
323	do.	Dallas Power and Light Co. no. 1	--	1907	1,427	8, 5	--
324	do.	Dallas Power and Light Co. no. 2	R. H. Dearing and Sons	1924	1,623	20, 8 $\frac{1}{2}$, 6	12.0
325	$\frac{1}{2}$ mile north	Liquid Carbonic Co.	do.	1913	742	8	--
326	$\frac{1}{4}$ mile north	Brown Cracker and Candy Co.	do.	1915	740	8	--
327	$\frac{1}{4}$ mile northeast	Occa-C. la Bottling Co.	do.	--	741	6	--
328	$\frac{1}{4}$ mile north	Dallas County	do.	1927	1,637	8 $\frac{1}{2}$, 6	--
329	$\frac{1}{4}$ mile northeast	Sanger Bros.	do.	1911	751	8	--

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) a/	Date of measurement			
309	d/ 90	1942	T,E, 40	Ind	Casing: 8 $\frac{1}{2}$ -inch to 2,227 feet; perforated 6-inch from 2,216 to 2,516 feet. Reported yield 300 gallons a minute. Temperature 104 ^c F.
310	151.9	June 29, 1942	A,E	Ind	Rarely used. See log.
311	d/150	1942	A,E	Ind	Do.
312	--	--	C,E, 7	P	
313	--	--	C,E, 3	P	Casing: 26 feet of 8-inch; 539 feet of 6-inch; 4 $\frac{1}{2}$ -inch lin. r. See log.
314	--	--	A	Ind	Casing: 8-inch to 595 feet; 6-inch from 588 to 722 feet, perforated at 597-610 and 664-717 feet. Reported yield 300 gallons a minute.
315	d/260	1942	C,E, 1	P	Casing: 5 $\frac{1}{2}$ -inch to 749 feet. See log. See log.
316	d/260	1937	--	P	Cased to bottom. Reported yield, 35 gallons a minute.
317	d/260	1936	--	P	Cased to bottom. Reported yield, 100 gallons a minute.
318	--	--	--	--	Cased to bottom. Reported yield, 50 gallons a minute.
319	--	--	None	N	See log.
320	d/+250 d/+92	1912 1940	None	N	Casing perforated from 2,375 to 2,578 feet. Reported that pressure steadily declined from 250 to 90 feet above ground from 1912 to 1923 flow decreased from 1,250,000 to 450,000 gallons a day during this period. See log.
321	+ 20	June 18, 1942	Flows	P	Cased to 2,200 feet; casing perforated at 1,462-1,589 and 2,120-2,200 feet. Reported to have had a pressure of 125 pounds at surface.
322	d/157	Aug. 27, 1928	A	Ind	Originally drilled when drilled. See log. to 650 feet; plugged back to 570 feet in 1930. Continuous yield of 67 gallons a minute reported.
323	d/213	Nov. 25, 1930	A	N	Casing: 5-inch to 1,420 feet. Reported yield about 200 gallons a minute from 1934 to 1941.
324	d/183 d/208	1933 1942	T,E, 60	Ind	Casing: 490 feet of 20-inch; 900 feet of 8 $\frac{1}{2}$ -inch and 200 feet of 6-inch. Continuous yield of 368 gallons a minute reported. Temperature 96 ^o F. See log.
325	d/110 d/130	1913 1932	T,E	Ind	Cased to 688 feet. See log.
326	--	--	--	--	Cased to 694 feet. See log.
327	--	--	--	--	See log.
328	d/170 d/315	1927 1942	A	P	Casing: 8 $\frac{1}{2}$ -inch to 1,470 feet; 6-inch from 1,474 to 1,837 feet, perforated. Reported yield 280 gallons a minute. See log.
329	--	--	--	--	Casing: 8-inch to 710 feet. Reported yield 90 gallons a minute when drilled. See log.

Records of wells and springs in Dallas County--Continued

Well	Distance from Dallas Courthouse	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
330	$\frac{1}{4}$ mile south	Union Terminal Co.	R. H. Dearing and Sons	1915?	2,675	12?	--
331	$\frac{1}{2}$ mile northeast	Southland Hotel Co.	do.	1908	1,643	8,6	.0
332	$\frac{1}{2}$ mile northeast	Republic National Bank	do.	1924	796	12,8 $\frac{1}{4}$	--
333	do.	First National Bank	do.	1917	1,671	12,8	--
334	do.	Adolphus Hotel	do.	1925	1,660	12 $\frac{1}{2}$, 10, 8 $\frac{1}{2}$, 6	--
335	do.	do.	do.	1910	803	10	--
336	$\frac{1}{2}$ mile east	Baker Hotel	do.	1925	806	12 $\frac{1}{2}$, 10	--
337	do.	Southwestern Bell Telephone Co.	do.	1927	842	12 $\frac{1}{2}$, 10	--
338	do.	Southland Life Insurance Co.	do.	1910	815	6	--
339	$\frac{1}{2}$ mile northeast	Magnolia Petroleum Co. no. 1	Magnolia Petroleum Co.	1920	1,668	13 $\frac{1}{4}$, 8 $\frac{1}{2}$	--
340	do.	Southwestern Life Insurance Co.	R. H. Dearing and Sons	1911	1,618	8,6	--
341	do.	Busch Building	do.	1911?	791	10	--
342	do.	Dallas National Bank Building	do.	1926	808	6-5/8	--
343	do.	Praetorian Building	do.	1908	1,618	6,5,4	.0
344	$\frac{1}{2}$ mile east	Allen Building	do.	1925	812	8 $\frac{1}{2}$	--
345	do.	Young Women's Christian Assoc.	do.	1922	814	8	--
346	do.	Butler Bros.	do.	1910	1,660	8,6	--
347	$\frac{1}{2}$ mile northeast	Dallas Office and Club Building	B. J. Harper	1922	1,659	8	--
348	do.	Medical Arts Building	R. H. Dearing and Sons	1924	828	8	--
349	do.	August A. Busch and Co.	do.	1911	862	6	--
350	1 $\frac{1}{2}$ miles northeast	Ideal Laundry	do.	Old	1,025	4,2 $\frac{1}{2}$	--
351	do.	do.	J. L. Myers and Sons	--	926	6-5/8, 5-3/16	--
352	do.	Fishburn Laundry	do.	--	928	6-5/8, 5-3/16	--

Well	WATER LEVEL		Method of lift b/	Use of water c/	Remarks
	Below measuring point (ft.) a/	Date of measurement			
330	d/120	1942	A	Ind	Reported yield 5,000,000 gallons a month. See log.
331	290.9	July 22, 1942	A	N	Casing: 8-inch to 1,017 feet; 6-inch from 1,009 to 1,427 feet.
332	--	--	--	--	Casing: 12-inch to 45 feet; 8½-inch from 27 to 751 feet. See log.
333	--	--	T,E, 20	P	Casing: 12-inch to 394 feet; 8-inch from 394 to 1,514 feet. Reported yield 80,000 gallons a
334	--	--	T,E	P	Casing: [redacted] day. Temperature 98° F. See log. 12½-inch to 747 feet; 10-inch from 747 to 784 feet, perforated; 8¼-inch from 784 to 1,512 feet; 6-inch from 1,511 to 1,660 feet, partly perforated. Reported yield 390 gallons a
335	--	--	--	P	See log. [redacted] minute. See log.
336	--	--	T,E	P	Casing: 12½-inch to 753 feet; 10-inch from 697 to 771 feet, perforated from 721 to 762 feet. Reported yield 300 gallons a minute when
337	d/207	June 1927	--	P	Casing: 12½-inch to 723 [redacted] drilled. See log. feet; 10-inch from 723 to 842 feet, bottom 68
338	--	--	--	--	Casing: 6-inch [redacted] feet perforated. See log. to 764 feet. See log.
339	d/180	Apr. 26, 1920	A	P	Casing: 16 feet of 20-inch; 358 feet of 13½-inch; 1,513 feet of 8¼-inch. Temperature 92° F. See
340	d/187	Oct. 1935	T,E, 15	P	Casing: 8-inch to 1,014 feet; 6-inch [redacted] log. from 1,007 to 1,520 feet. See log.
341	--	--	--	--	Casing: 10-inch to 746 feet. Reported yield 250,000 gallons a day when drilled. See log.
342	d/281	1926	--	--	Casing: 6-5/8-inch to 765 feet. See log.
343	d/+210 d/240	1908 1942	A,E, 10	P	Casing: 600 feet of 6-inch; 900 feet of 5-inch; 20 feet of 4-inch. Formerly flowed; now pumped at 72 gallons a minute. Temperature 93° F. See
344	d/190	1925	--	--	Casing: 8¼-inch to 760 feet. See log. [redacted] log.
345	--	--	--	--	Casing: 8-inch to 791 feet. See log.
346	d/ 94 d/200	1920? 1934	A	Ind	Casing: 8-inch to 926 feet; 6-inch from 909 to 1,547 feet. Reported yield 150 gallons a
347	d/180	--	T,E, 25	P	Pumped at [redacted] minute. Temperature 90° F. See log. rate of 230 gallons a minute for 6 hours a day.
348	--	--	--	--	Casing: 8-inch to 780 feet. See log.
349	--	--	--	--	Casing: 6-inch to 649 feet; 15 feet of perforated from 786 to 801 feet. See log.
350	--	--	--	--	Casing: 4-inch to 978 feet; 2½-inch from 970 to 1,025 feet, perforated from 976 to 1,020
351	d/240	--	--	--	Casing: 6-5/8-inch from surface to [redacted] feet. 847 feet; 5-3/16-inch from 819 to 926 feet, perforated at 872-888 and 904-926 feet. See
352	--	--	--	--	Casing: 6-5/8-inch to 970 feet; [redacted] log. 5-3/16-inch from 846 to 928 feet, perforated from 892 to 919 feet. See log.

Records of wells and springs in Dallas County--Continued

Well	Distance from Dallas Courthouse	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
353	1½ miles northeast	St. Paul's Hospital	J. L. Myers and Sons	1938	920	--	--
354	2½ miles northeast	M. P. Terrill School	R. H. Dearing and Sons	1910	917	5	--
355	do.	Buckner's Home Annex	do.	1910	396	--	--
356	1½ miles northeast	Baylor University Hospital	--	1907?	974	8	.0
357	1 mile southeast	City of Dallas Sullivan Park Well	J. L. Myers and Sons	1939	620	--	--
358	2½ miles east	F. C. Callier	R. H. Dearing and Sons	1911	556	--	--
359	1½ miles southeast	Armstrong Packing Co.	--	1911?	360+	--	--
360	1½ miles southeast	do.	R. H. Dearing and Sons	1911	1,687	8,6	3.0
361	1½ miles southeast	The Dallas Cotton Mills	do.	1920	750	8	--
362	do.	do.	--	1898?	305	--	--
363	1 miles southeast	Sears Roebuck and Co.	R. H. Dearing and Sons	1913	1,658	8,6	--
364	do.	Dallas Griffin Co.	do.	--	737	6,4	--
365	1½ miles southwest	City of Dallas no. 34	Randolph and Steilwith	1924	--	26,10	--
366	do.	City of Dallas no. 15	--	1912	--	6	2.0
367	do.	City of Dallas	--	--	--	6	1.0
368	1½ miles south	City of Dallas no. 33	--	1920	2,775	10,8, 6-5/8	--
369	1½ miles south	J. A. Dewberry no. 1	R. E. Wallen and Sons	1939	630	--	--
370	2 miles south	J. A. Dewberry no. 2	do.	1940	315	6-5/8, 5½	--
371	2½ miles south	City of Dallas no. 35	--	1924	2,750	--	--
372	2½ miles south	Oak Cliff Paper Mills	J. L. Myers and Sons	--	904	--	--
373	2½ miles southeast	Columbia Packing Co.	do.	1940	743	--	--

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
353	--	--	T,E, 25	P	See log.
354	--	--	--	--	Do.
355	--	--	--	--	Do.
356	<u>d/</u> 250	1940	T,E, 25	P	Reported yield 235 gallons a minute. Temperature 93° F.
357	--	--	--	P	See log.
358	--	--	--	--	Do.
359	--	--	--	Ind	Reported yield about 3,000,000 gallons a month.
360	166.00	July 11, 1942	A	N	Cased to bottom.
361	--	--	--	--	Casing: 8-inch to 707 feet. See log.
362	--	--	--	--	See log. <u>e/</u>
363	--	--	A	Ind	Reported yield 170,000 gallons a day. Temperature 90° F.
364	--	--	--	--	Casing: 6-inch to 298 feet; 4-inch from 298 to 687 feet. See log.
365	--	--	T,E, 200	P	Casing: 26-inch to 300 feet; 10-inch from 300 feet to bottom. Reported yield 1,200 gallons a minute. Temperature 110° F.
366	<u>d/</u> +250 133.00	1912 June 20, 1942	A	N	Reported yield 1,000,000 gallons a day when drilled.
367	197.8	July 30, 1942	None	N	
368	<u>d/</u> +90 <u>d/</u> 59	Nov. 12, 1923 1933	T,E, 200	P	Casing: 10-inch to 1,632 feet; 8-inch from surface to 2,466 feet; 6-5/8-inch from 2,446 to 2,773 feet. Reported to have flowed at rate of 700 gallons a minute until 1926, now pumped at 960 gallons a minute. See log.
369	<u>d/</u> 165	Feb. --, 1939	--	--	See log.
370	<u>d/</u> 181	Mar. 13, 1940	--	--	Casing: 8-inch to 108 feet; 6-5/8-inch from surface to 720 feet; 5 1/2-inch from 629 to 815
371	<u>d/</u> +	1924	T,E, 175	P	Reported yield 1,040 gallons a minute with pumping level at about 315 feet. See log.
372	--	--	--	--	See log.
373	--	--	--	Ind	Do.

Records of wells and springs in Dallas County--Continued

Well	Distance from Grand Prairie City Hall	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
374	0.1 mile northwest	City of Grand Prairie no. 1	--	1925	370+	5-5/8	--
375	0.2 mile northwest	City of Grand Prairie no. 2	J. L. Myers and Sons	1936	372	8	--
376	0.25 mile northwest	City of Grand Prairie no. 3	do.	1941	419	10, 8, 6	--
377	0.3 mile northwest	City of Grand Prairie no. 4	do.	1942	474	8, 6, 4	--
378	0.25 mile north	City of Grand Prairie no. 5	do.	1942	345	8, 6	--
379	0.6 mile northeast	City of Grand Prairie no. 6	do.	1942	430	8, 7	--
380	do.	City of Grand Prairie no. 7	do.	1942	412	8, 7	--
381	do.	City of Grand Prairie no. 10	do.	1943	2,065	10	--
382	1.0 mile west	City of Grand Prairie no. 8	do.	1942	233	8	--
383	do.	City of Grand Prairie no. 8a	do.	1942	401	10	--
384	do.	City of Grand Prairie no. 8b	Sharp and Braley	1910	1,000	8, 6	1.0
385	do.	City of Grand Prairie no. 9	J. L. Myers and Sons	1943	2,029	10	--
386	1.1 mile southwest	U. S. Naval Reserve Aviation Base Training Squadron no. 1	do.	1942	408	--	--
387	1.1 mile southeast	North American Aviation Inc. no. 3	Layne-Texas Co.	1942	2,000	13, 8, 6	--
388	1.5 miles southeast	North American Aviation Inc. no. 1	do.	1940	1,180	10, 6	--
389	do.	North American Aviation Inc. no. 2	do.	1941	2,148	13, 8, 6	--
390	do.	North American Aviation Inc. no. 4	do.	1942	2,075	13, 8, 6	--

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
374	--	--	T, E, 7½	F	
375	<u>d/</u> 70	May 20, 1938	T, E, 15	P	Casing perforated at 320-338 and 360-367 feet. Temperature 73° F. See log.
376	<u>d/</u> 125 <u>d/</u> 166	May 1942 Aug. 1942	T, E, 15	P	Casing: 52 feet of 10-inch; 247 feet of 8-inch; 161 feet of 6-inch perforated opposite sands. Temperature 73° F. See log.
377	<u>d/</u> 190	Feb. 1942	T, E, 15	N	Casing: 44 feet of 12½-inch; 274 feet of 8-inch; 109 feet of 6-inch perforated; 43 feet of 4-inch perforated; 71 feet of 2½-inch.
378	<u>d/</u> 130	Mar. 1942	T, E, 15	P	Casing: 32 feet of 12¼-inch; See log. 293 feet of 8-inch; 59 feet of 6-inch perforated opposite sands. Temperature 71° F. See log.
379	<u>d/</u> 160	Aug. 1942	T, E, 15	P	Casing: 54 feet of 10-inch; 348 feet of 8-inch; 91 feet of 7-inch perforated opposite sands.
380	<u>d/</u> 157	Oct. 1942	T, E, 15	P	Casing: 56 feet of 10-inch; 360 feet of 8-inch perforated from 260 to 277 feet; 62 feet of 7-inch perforated Temperature 73° F. See log.
381	182	June 30, 1943	None	N	Pump not yet installed when well was visited. from 358 to 410 feet. See log.
382	<u>d/</u> 160	Dec. 1942	T, E, 7½	P	Casing: 210 feet of 8-inch. See log.
383	--	--	None	N	Abandoned as a "dry hole". See log.
384	<u>d/</u> 207.33	Mar. 24, 1941	None	N	Formerly supplied Dalworth Park. Abandoned September 1942. Drawdown reported by Layne-Texas Company. 30 feet when pumped at 23
385	197	June 27, 1943	None	N	Pump not yet installed when well was visited. gallons a minute in 1941.
386	<u>d/</u> 175	Sept. 1942	T, E, 15	P	Temperature 76° F. See log. 19-inch. See log.
387	<u>d/</u> 160	dc.	T, E, 100	Ind	Casing: 13-inch to 657 feet; 8-inch from 657 to 1,899 feet; 6-inch from 1,846 to 2,089 feet. Screen from 1,892 to 2,078 feet. Temperature 95° F. See log.
388	<u>d/</u> 167	Mar. 1941	T, E, 100	Ind	Drilled to 1,378 feet and plugged back. Casing: 10-inch to 978 feet; 6-inch from 855 to 1,180 feet. Screen at 980-985, 995-1,017, 1,030-1,065, 1,085-1,090, 1,110-1,125, 1,145-1,150 and 1,160-1,175 feet. Reported drawdown 389 feet when pumped at 231 gallons a minute. Temperature 82° F. See log.
389	<u>d/</u> 105	Feb. 1941	T, E, 100	Ind	Casing: 13-inch to 652 feet; 8-inch from 652 to 1,872 feet; 6-inch from 1,822 to 2,147 feet, perforated. Drawdown reported by driller 176 feet when pumped at 680 gallons a minute.
390	<u>d/</u> 173	Nov. 1942	T, E, 100	Ind	Casing: 13-inch to 656 feet; 8-inch from 656 to 1,908 feet; 6-inch from 1,872 to 2,077 feet. Screen from 1,912 to 2,072 feet. Temperature 95° F. See log.

Records of wells and springs in Dallas County--Continued

Well	Distance from Grand Prairie	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
391	2.0 miles east	U. S. Army Hensley Field no. 1	--	--	431	--	--
392	do.	U. S. Army Hensley Field no. 2	--	--	425	--	--
393	2.5 miles southeast	U. S. Naval Reserve Aviation Base no. 1	J. L. Myers and Sons	1941	413	8	--
394	do.	U. S. Naval Reserve Aviation Base no. 2	do.	1942	417	10, 8-5/8	--
395	do.	U. S. Naval Reserve Aviation Base no. 2a	do.	1942	--	--	--
596	do.	U. S. Naval Reserve Aviation Base no. 3	do.	1942	2,156	10, 7, 5 1/2	--

a/ Plus (+) indicates water level is above ground.

b/ C, cylinder; B, bucket and rope; T, turbine; A, airlift; H, hand; G, gasoline; E, electric; W, windmill. Number indicates horsepower.

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

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
391	--	--	--	P	
392	--	--	--	P	Pumpage at Hensley Field from this well and well 391 reported 110,000 gallons a day in
393	d/ 78	May 1941	T,E, 10	P	Drilled to 485 feet and plugged June 1943. back. Drawdown reported by driller 10 feet when pumped at 150 gallons a minute. Temperature 75° F. See log.
394	87	June 27, 1943	T,E, 15	P	Casing: 33 feet of 10-inch; 417 feet of 8-5/8-inch perforated from 269 to 313 feet. Used as standby well in 1943. See log.
395	--	--	None	N	Abandoned. See log.
396	d/111	Dec. 1942	T,E, 40	P	Casing: 38 feet of 16-inch; 503 feet of 10-inch; 1,521 feet of 7-inch; 135 feet of 5 1/2-inch perforated from 2,025 to 2,156 feet. See log.

d/ Water level reported by driller or owner.

e/ Hill, R. T., Geography and Geology of the Black and Grand Prairies, Texas, U. S. Geol. Survey, 21st Ann. Rept., Part 7, pp. 595-606.

Table of drillers' logs, Dallas County, Texas

	Thickness (feet)	Depth (feet)
<u>Well 5</u>		
Dr. T. J. Calhoun, 4 miles northwest of Carrolton.		
Sand	6	6
Sand and gravel	25	31
Black shale	72	103
Sand, some water	4	107
Black shale	11	118
Water sand	10	128
Black shale	7	135
Gray shale	25	160
Black and pink shale	20	180
Water sand	12	192
Black gravelly shale	13	205
Black shale	95	300
Sandy shale	12	312
Water sand	15	327
Black shale	55	382
Water sand	16	398
Hard blue gumbo	21	419

	Thickness (feet)	Depth (feet)
<u>Well 9 1/2</u>		
W. W. McCoy no. 1, 2 miles northeast of Carrolton.		
Surface	30	30
Shale	25	55
Shale and shells	50	105
Shale	210	315
Shale and boulders	77	392
Sandy lime shell	3	395
Lime rock	7	402
Water sand	10	412
Sticky shale	23	435
Shale	25	460
Sand	10	470
Shale	20	490
Sand	10	500
Sand and shale	30	530
Sand	30	560
Gumbo	8	568
Lime and shell	2	570
Gypsum	2	572
Boulders and shale	2	574
Sand	6	580
Shale	24	604
Sticky shale	20	624
Shale	26	650
Sand	10	660
Shale	14	674
Broken lime	16	690
Hard lime	10	700
Lime	10	710
Sticky shale	65	775

	Thickness (feet)	Depth (feet)
<u>Well 9--Continued</u>		
Lime	1	776
Lime rock	6	782
Lime	1	783
Sticky shale	13	796
Lime	11	807
Shale	28	835
Lime	7	842
Shale and lime shells	38	880
Lime	76	956
Lime rock	7	963
Lime	7	970
Broken lime	4	974
Sandy lime	4	978
Shale and sand	5	983
Broken lime	5	988
Shale	10	998
Lime rock	4	1002
Lime	6	1008
Sandy shale and boulders	15	1023
Sand	1	1024
Shale and sand	1	1025
Lime rock	10	1035
Sand and broken lime	22	1057
Shale	6	1063
Sandy lime	2	1065
Lime rock	10	1075
Sandy lime	11	1086
Lime	20	1106
Gumbo	9	1115
Sticky shale	11	1126
Lime rock	25	1151
Lime	22	1173
Lime sand and shale	25	1198
Lime	9	1207
Hard sand	19	1226
Sand	3	1229
Gumbo	10	1239
Sticky shale	28	1267
Sand	1	1268
White sand	12	1281
Hard sand	7	1288
Sand	4	1292
Sticky shale and boulders	41	1333
Sandy shale	11	1344
Sand	4	1348
Blue shale	5	1353
Sand	3	1356

1/2 Dallas Petroleum Geologists,
Geology of Dallas County, Texas, pp.
113-114, Dec. 1941.

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 11</u>		
Fred E. Hess, $1\frac{1}{2}$ miles northeast of Carrollton.		
Surface material	3	3
Gravel	5	8
Clay	14	22
Blue shale	83	110
Gray shale	152	262
Brown shale	37	299
Light brown shale	10	309
Gray shale	67	376
Water sand	19	395

	Thickness (feet)	Depth (feet)
<u>Well 14 $\frac{2}{2}$</u>		
T. W. Stahlnecker, in Carrollton.		
Black soil	8	8
Clay	20	28
Soft shale	117	145
Packsand, water	100	245
2/ Hill, R. T., Geography and geology of the Black and Grand Prairies, Texas, U. S. Geol. Survey 21st Ann. Rept., Part 7, p. 600, 1899-1900.		

	Thickness (feet)	Depth (feet)
<u>Well 16</u>		
J. Bernard Joseph, $3\frac{1}{4}$ miles northeast of Carrollton.		
Surface material	2	2
Rock	26	28
Gray shale	525	553
Water sand	17	570
Shale	1	571

	Thickness (feet)	Depth (feet)
<u>Well 17</u>		
C. S. Hamilton, $3\frac{3}{4}$ miles east of Carrollton.		
Soil	3	3
Limestone	32	35
Sandy shale	65	100
Blue shale	155	255
Brown shale	9	263
Blue shale	232	495
Brown shale	71	566
Sandy shale	46	612
Water sand	23	635
Blue shale	20	655
Water sand	15	670
Sandy shale	10	680
White water sand	10	690
Brown shale	20	710
Sandy shale	5	715

	Thickness (feet)	Depth (feet)
<u>Well 17--Continued</u>		
Blue shale	5	720
Brown shale	25	745
Blue shale	20	765
Limestone	3	768
Coarse-grained water sand	32	800

	Thickness (feet)	Depth (feet)
<u>Well 31 $\frac{3}{3}$</u>		
W. E. Howell no. 1, $4\frac{1}{2}$ miles southwest of Carrollton.		
Surface clay	40	40
Shale	205	245
Cap rock	5	250
Sand	28	278
Cap rock	2	280
Sand	15	295
Shells	5	300
Shale	48	348
Lime shells	2	350
Sand	10	360
Sandy shale	160	520
Hard lime	102	622
Shale and lime	48	670
Lime	20	690
Broken sandy lime	10	700
Shale and lime	95	795
Shale	25	820
Lime	5	825
Shale	5	830
Lime	15	845
Shale	15	860
Lime	35	895
Shale	3	898
Shale and lime	92	990
Sand	20	1010
Shale	40	1050
Sand	10	1060
Shale	20	1080
Lime	15	1095
Shale	205	1300
Lime	55	1355
Shale	60	1415
Lime and sandy lime	10	1425
Shale	75	1500
Broken lime and shale	30	1570
Shale	25	1595
Lime	35	1630
Shale	90	1720
Lime	5	1725
Shale and gumbo	18	1743
Broken lime	47	1790
Dry sand	30	1820

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 31--Continued</u>		
Shale and lime	10	1790
Dry sand	60	1850
Shale	35	1885
Lime and shells	90	1975
Shale	25	2000
Lime	35	2035
Broken lime	65	2100
Hard lime and shells	90	2190
Unconformity	20	2210
Broken lime	20	2230
Shale	20	2250
Sand and lime	45	2295
Hard lime	47	2342
Broken lime	8	2350
Hard lime	40	2390
3/ Dallas Petroleum & L. Lists, op. cit., p. 121.		

<u>Well 75</u>		
W. H. Houser, 5 miles north-east of Grand Prairie.		
Sand	3	3
Clay	27	30
Sand and gravel	17	47
Blue shale	73	120
Brown shale	23	143
White shale	31	224
Water sand	16	240

<u>Well 76</u>		
The Salvation Army, 6 miles northeast of Grand Prairie.		
Sand and clay	30	30
Blue shale	180	210
Water sand	12	222
Sticky shale, ledges of hard rock	95	307
Hard water sand	12	319
Blue shale	25	344
Water sand	57	401
Blue shale	3	404

<u>Well 77</u>		
City of Irving, in Irving.		
Surface soil	8	8
Sand rock	7	15
Sand and gravel	22	37
Gray shale	121	158
Brown shale	32	190
Gray shale	55	225

	Thickness (feet)	Depth (feet)
<u>Well 77--Continued</u>		
Water sand	5	230
Sand rock	2	232
Sandy shale	11	243
Dirty sand, screw water	15	258
Gray shale	52	310
Sandy shale	10	320
Black shale	2	322
Sandy shale	13	335
Mixed shale	20	355
Rock	5	360
Pink shale	4	364
Sand, screw water	5	367
Gray sandy shale	22	389
Water sand	105	494

<u>Well 94</u>		
F. H. Reitman, 4 $\frac{1}{2}$ miles east of Grand Prairie.		
Clay	45	45
Blue shale	60	105
Brown shale	135	240
Gray shale	20	260
Water sand	10	270
Rock	2	272
Gray shale	3	275

<u>Well 100 4/</u>		
R. S. Morris, 1 $\frac{1}{2}$ miles southwest of Grand Prairie.		
Surface material	21	21
Sandy clay	71	92
Shale and shells	168	260
Black shale	22	282
Soft shale	5	287
Shale and shells	53	340
White water sand	15	355
Shale and shells	18	373
Shale and shells	17	390
Flakey white lime	75	465
Black shale	25	490
White lime	40	530
Shale and shells	28	558
Shale and shells	37	595
White lime	23	618
Shale and shells	57	675
White lime	11	686
Shale and shells	60	746
Shale and streaks sand	204	950
White sand	25	975
Sandy shale	8	983

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 100 4/-Continued</u>		
Lime	14	997
Soft white sand	33	1030
Shale and shells	15	1045
Gray lime	95	1140
Shale and shells, streaks of sand	55	1195
Shale and shells	20	1215
Lime and white sand	40	1255
Blue shale	35	1290
White lime	14	1304
Shale and shells	106	1410
Sand and shale	30	1440
Shale, lime and sand	56	1496
Sand and shale	34	1530
Shale and shells	90	1620
White sand	30	1650
Shale and sand	11	1661
Red beds	17	1678
Shale and sand	30	1708
Red beds	29	1737
Pluc shale and sand	10	1747
Sand and shale	20	1767
Lime	18	1785
Sand and shale	163	1948
Hard white lime	26	1974
Hard lime	61	2035
Shale	41	2076
Lime and shells	51	2127
Shale	20	2147
Hard snale	101	2248
Shale	89	2337
Shale and lime shells	71	2408
Hard shale and shells	32	2460
Shale	57	2517
Shale and lime shells	65	2582
Shale	48	2630
Hard lime conglomerate	6	2636
4/ Dallas Petroleum geologists, op. cit., p. 122.		

Well 108

Paul Griffith, 7 miles southeast of
Grand Prairie.

Surface material	2	2
White rock	168	170
Blue shale	123	298
Hard rock	2	300
Blue shale	57	357
Gray shale	26	385
Blue shale	65	450
Gray shale	80	530
Brown shale	70	600

	Thickness (feet)	Depth (feet)
<u>Well 108--Continued</u>		
Gray shale	28	628
Hard sandstone	3	631
Gray shale	17	648
Water sand	17	665
Gray shale	2	667

Well 114 5/

W. W. Seaton, 13 miles south of Grand
Prairie.

Surface clay	20	20
Shale	170	190
Sand	17	207
Shale	4	211
Sand	34	245
Shale	5	250
Sand	15	265
Shale	5	270
Sand	103	373
Shale	12	385
Sand	57	442
Shale	95	537
Lime	38	575
Shale	20	595
Lime	15	610
Shale	7	617
Lime	20	637
Shale	23	660
Lime	140	800
Shale	8	808
Lime	19	827
Shale	3	830
Lime	20	850
Shale	4	854
Lime	18	872
Shale	13	885
Lime	23	908
Shale	4	912
Lime	13	925
Brown gumbo	13	938
Limey shale	9	947
Shells	9	956
Black speckled lime	12	968
Dry sand	7	975
Shale	5	980
Cap rock	2	982
Sand	61	1043
Lime rock	1	1044
Sand with lime rock	36	1080
Green marl	6	1086
Lime	54	1140
Shale	5	1145

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 114 5/--Continued</u>		
Speckled lime	65	1210
Lime	35	1245
Sandy shale	10	1255
Lime, small shells	25	1280
White gummy shale	6	1286
Sandy lime	30	1316
Red sandy shale rock	$\frac{1}{2}$	1316 $\frac{1}{2}$
Sandy lime, sulphur ocher stoned pyrites	15 $\frac{1}{2}$	1332
Lime	48	1380
Lime, shells	60	1440
Lime	40	1480
Black slate with lime shale	20	1500
Black shale	3	1503
Lime, oyster shells	12	1515
Broken shale, sandy lime	30	1545
Hard lime, shells	10	1555
Sandy shells	7	1562
Lime, shells	18	1580
Hard sandy lime, shale, stoned pyrites	20	1600
Mixed black and brown shells and sand rock	27	1627
Sand rock	3	1630
Sand	13	1643
Gray gumbo	12	1655
Sand, mixed with green shale	17	1672
Pink-gray gumbo	13	1685
Pack sand	5	1690
Mixed lime, shells, pyrites	18	1708
Sand with green shale	4	1712
Red shale and sand	13	1725
Red shale	15	1740
Mixed lime, sand and shale	33	1773
Mixed sands, red beds, shale breaks and sand	190	1963
Sand	6	1969
Shale	4	1973
Lime, shale	7	1980
Blue shale, red bed	6	1986
Lime	9	1995
Lime, sand and red bed	7	2002
Dry sand	9	2011
Lime	5	2016
Red bed	9	2025
Sand	3	2028
Blue shale	3	2031
Lime	10	2041
Red bed, sand	3	2044

	Thickness (feet)	Depth (feet)
<u>Well 114 5/-- Continued</u>		
Sand	3	2047
Sand, black shale	15	2062
Lime	5	2067
Sand	4	2071
Sand, shale	12	2083
Shale	11	2094
Mixed shale, lime	104	2198
Black shale	24	2222
Sticky shale	23	2245
Black shale	165	2410
Lime	9	2419
Sticky brown shells	13	2432
Lime, shale	3	2435
Black shale	35	2470
Sticky shale	13	2483
Lime	4	2487
Black sticky shale	13	2500
Black shale	35	2535
Slaty shale	121	2656
Gumbo	3	2659
Slate	1	2660
<u>5/ Dallas Petroleum Geologists, op. cit., pp. 119-120.</u>		

Well 116

Dr. C. M. Grigsby, 12 miles south of
Grand Prairie.

White rock	150	150
Shale	418	568
Loose water sand	5	573
Hard rocks	5	578
Water sand	12	590
Hard rock	3	593
Shale	127	720
Water sand	2	722

Well 118

Town of Cedar Hill, in Cedar Hill.

Surface material	1	1
White rock	181	182
Gray shale	333	515
Brown shale	80	595
Gray shale	10	605
Water sand	25	630
Hard rock	4	634
Gray shale	16	650
White shale	15	665
Sand	5	670
Brown shale	16	686
Gray sticky shale	26	712
Green putty like sand	23	735

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 118--Continued</u>		
Brown shale	8	743
Gray shale	7	750
Brown sandy lime	8	758
Gray shale	7	765
Sand	3	768
Gray shale	29	797
Brown shale	8	805
Hard sand rock	7	812
Lime rock	8	820
Water sand	69	889
Gray shale	3	892

<u>Well 125</u>		
Emil Geppelt, 5 miles northwest of Lancaster.		
Surface material	2	2
Mixed clay	2	4
White rock	327	331
Gray shale	335	666
Brown shale	37	703
Sandy shale	42	745
Water sand	8	753
Shale	5	758
Hard rock	2	760
Water sand	30	790
Gray shale	3	793

<u>Well 130</u>		
Laurel Land Memorial Park, 6 miles northwest of Lancaster.		
Surface material	4	4
Brown and yellow clay and gravel	3	7
Yellow clay	8	15
Gray chalky limestone	10	25
Blue chalky limestone	165	190
Gray limestone	55	245
Blue slate	15	260
Black shale	470	730
Blue-black sandy shale	11	741
Sand rock	1	742
Blue sandy shale	7	749
Sand rock, water	5	754
Hard sandstone	1	755
Blue shale	2	757
Sand rock, water	24	781
Hard blue shale	34	815
Sandstone	3	818
Brown shale	9	827
Sand rock, water	5	832
Gray shale	4	836
Sand rock, water	5	841

	Thickness (feet)	Depth (feet)
<u>Well 130--Continued</u>		
Hard blue clay	4	845
Sand rock, water	8	853
Hard blue clay	6	859

<u>Well 146, partial log</u>		
City of Seagoville, in Seagoville.		
Hard red sand	16	16
Hard red sand rock	2	18
Firm black shale	52	70
Hard black gumbo	74	144
Firm black shale	42	186
Hard black gumbo	18	204
Hard black shale	27	231
Hard black gumbo	30	261
Hard black shale	12	273
Hard black gumbo	7	280
Soft black shale	26	306
Soft gray sandy shale	6	312
Soft black gumbo	18	330
Soft white lime rock	112	442
Hard blue lime	27	469
Soft white lime rock	140	609
Hard white lime rock	83	692
Hard black shale	116	808
Hard brown shell rock	2	810
Hard gray sand rock	2	812
Hard black gumbo	14	826
Hard black shale	112	938
Hard blue sandstone	12	950
Hard black gumbo	12	962
Hard black shale	109	1071
Hard black gumbo	6	1077
Hard gray shell rock	2	1079
Soft gray shale	119	1198
Hard black gumbo	26	1224
Hard black shell rock	5	1229
Hard gray shell rock	2	1231
Hard black gumbo	11	1242
Hard black shale	40	1282
Hard black gumbo	12	1294
Hard gray sandy shale	100	1394
Soft yellow gumbo	80	1474
Hard black sand rock	2	1476
Soft dark sand	8	1484
Hard yellow gumbo	10	1494
Hard blue sandstone	4	1498
Hard yellow gumbo	14	1512
Hard gray sand rock	10	1522
Hard gray water sand	19	1541
Soft black gunpowder shale	52	1593
TOTAL DEPTH		1731

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 147</u>		
B. J. Davidson, $\frac{3}{4}$ mile north of Seagoville.		
Formation not given	380	380
Bluish marly clay	120	500
Chalk	10	510
White marly chalk	570	1080
Clay	420	1500
Sand	66	1566
Sand and shale	26	1592
Sand and shale	38	1630
Red shale	10	1640
Red sandy shale	100	1740
Formation not given	428	2168
Limestone	97	2265
Broken lime	37	2302
Lime and shale	38	2340
Shale and lime shells	308	2648
Broken lime	32	2680
Formation not given	21	2701
Sand	20	2721
Broken lime	58	2779
Sand	8	2787
Broken sand and lime	42	2829
Lime	7	2836
Sand	15	2851
Sandy lime	8	2859
Lime	34	2893
Broken lime	79	2972
Lime	28	3000
Broken lime	64	3064
Sand and shale	73	3137
Sandy lime	10	3147
Broken lime	69	3216
Lime	73	3289
Lime and shale	38	3327
Lime	14	3341
Lime, shale and streaks of sand	51	3392
Anhydrite	43	3435
Lime	164.5	3599.5

<u>Well 150</u>		
Federal Reformatory for Women, test hole $3\frac{1}{2}$ miles northwest of Seagoville.		
Sandy loam	1	1
Black loam	2	3
Red and black clay	3	6
Gray clay	3	9
Gray and yellow clay	5	14
Very fine-grained gray sand	1	15
Fine-grained yellow sand	1	16
Coarse-grained yellow sand	1	17

	Thickness (feet)	Depth (feet)
<u>Well 150--Continued</u>		
Sand and pea gravel	18	35
Black shale	1	36

<u>Well 151</u>		
Federal Reformatory for Women, 2 miles northwest of Seagoville.		
Surface soil	8	8
Red sandy clay	8	16
Red clay	24	40
Hard brown shale	29	69
Bluish marly clay	287	356
Hard shale and chalk	26	382
White chalk	554	936
Shale	510	1446
Shale and thin layers hard sand	7	1453
Shale and layers of sandy shale	48	1501
Shale	41	1542
Sand	39	1581
Sandy shale and red sticky shale	25	1603
Shale and layers of sandy shale	13	1619
Sandy shale and layers of sand	23	1642
Shale and layers of sand	7	1649
Sandy shale and layers of sand	22	1671
Sand	6	1677
Hard sandy shale	23	1700
Sand	14	1714
Hard shale	12	1726
Sand	7	1733
Hard shale	11	1744
Sandy shale	12	1756
Sandy shale and layers of sand	15	1771
Sandy shale and layers of sand	18	1789
Hard shale	13	1802
Sand	17	1819
Sand with layers of shale	20	1839
Hard lime and shale	3	1842
Lime and shale	4	1846

<u>Well 154</u>		
H. Scott Cherry, $6\frac{1}{2}$ miles northwest of Seagoville.		
Formation not given	45	45
Sand	35	80
Conglomerate	130	210

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 154--Continued</u>		
Chalk	380	590
Shale and gumbo	44	634
Sandy shale	26	660
Shale	40	700
Gumbo and shale	460	1160
Sand	12	1172
Sandy shale	3	1175
Sand	2	1177

	Thickness (feet)	Depth (feet)
<u>Well 158 ^{6/}</u>		
W. F. Murphy, 2 miles south of Mesquite.		
Top soil	5	5
Yellow clay	18	23
Gray sand	7	30
Blue shale	146	176
Hard white rock	204	380
Blue sandy shale	27	407
Gray shale	78	485
Gray marl	26	511
Gray shale	99	610
Shale	80	690
Gray shale	10	700
Sandy shale, small amount of salt water	5	705
Soft gray shale	25	730
Blue shale	70	800
Black shale, very cavey	32	832
Black shale	68	900
Soft black cavey shale	101	1001
Blue lime with shells	8	1009
Blue shale	3	1012
Gray lime	6	1018
Gray shale	7	1025
Brown sand	8	1033
Blue shale	217	1250
Black shale	80	1330
Water sand	2	1332
^{6/} Dallas Petroleum Geologists, op. cit., p. 121.		

	Thickness (feet)	Depth (feet)
<u>Well 160</u>		
Schulyer Marshall, Sr., 2 ⁸ miles west of Mesquite.		
Soil and shale	162	162
White rock	390	552
Shale, gumbo and thin rock	724	1276
Broken sand	75	1351
Shale, gumbo and thin rocks	139	1490

	Thickness (feet)	Depth (feet)
<u>Well 160--Continued</u>		
Sand rock	6	1496
Shale and gumbo	45	1541
Red bed	17	1558
Sand	42	1600
Shale	23	1623

	Thickness (feet)	Depth (feet)
<u>Well 162</u>		
City of Mesquite no. 2, in Mesquite.		
Surface soil	4	4
Yellow clay	22	26
Black shale	90	116
Hard shale	34	150
Hard gray shale	31	181
Chalk and shale	28	209
Chalk	394	603
Gray and brown shale	70	673
Chalk	60	733
Black shale	248	981
Gray shale	35	1016
Shale	234	1250
Sand	14	1264
Rock and layers of sand	11	1275
Hard shale	38	1313
Shale and shell	35	1348
Hard shale	10	1358
Sand and layers of shale	68	1426
Hard shale	12	1438
Sand and shale	20	1458
Sand	46	1504
Hard shale	23	1527
Sand	4	1531
Hard shale	23	1554
Sand	16	1570
Sandy shale	35	1605
Hard shale	29	1634
Shale	2	1636
Shale and lime	72	1708
Hard shale	11	1719
Shale and lime	50	1769
Lime and shale	261	2030
Lime	28	2058
Lime and shale	129	2187
Shale	12	2199
Hard lime	6	2205
Lime and shale	101	2306
Shale, lime and thin layers Red Beds	52	2358
Shale, lime and thin layers sand	28	2386
Sand	3	2394
Sand and red shale	3	2397
Lime and shale	10	2407
(Continued on next page)		

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 162--Continued</u>		
Shale and layers sand	23	2430
Sandy shale	41	2471
Sand	13	2484
Hard shale	14	2498
Sand	10	2508
Shale	47	2555

<u>Well 166</u>		
Dr. W. W. Samuell Est., 1 ^{1/2} miles north of Mesquite.		
Surface material	10	10
Yellow clay	25	35
Clay and gravel	20	55
Hard shale	197	252
Broken chalk	5	257
Hard shale	20	277
Chalk	75	352
Hard shell	1	353
Chalk	2	355
Hard chalk	155	510
Shale	2	512
Hard chalk	28	540
Chalk	236	776
Broken chalk	49	825
Shale and shells	36	861
Very hard lime shells	2	863
Shale and shells	307	1170
Hard and brittle black shale and shells	110	1280
Hard black shale	11	1291
Hard lime shell	1	1292
Hard black shale	19	1311
Medium hard lime	2	1313
Hard shale	11	1324
Medium hard lime	2	1326
Shale streaks and hard sand	19	1345
Hard sand rock	3	1348
Dark gray hard sand rock	4	1352
Sandy shale and sand streaks	6	1358
Hard broken sand	4	1362
Hard shale and sand streaks	32	1394
Sand with hard streaks	8	1402
Hard shale and sand streaks	43	1445
Sand	5	1450
Red shale	4	1454
Sandy shale	7	1461
Shale	14	1475
Sand	13	1488
Hard red shale	1	1489

	Thickness (feet)	Depth (feet)
<u>Well 166--Continued</u>		
Hard shale and sand streaks	11	1500
Sandy shale	5	1505
Water sand	10	1515
Shale	2	1517
Water sand	8	1525
Hard red shale	12	1537
Sand	5	1542
Shale and sand streaks	3	1545
Sand	57	1602
Hard shell	1	1603
Hard sand	5	1608
Sand	29	1637
Shale and sand streaks	9	1646
Sand	30	1676
Shale	4	1680

<u>Well 174</u>		
City of Garland no. 2, in Garland.		
Soil	6	6
White rock	553	559
Hard shale and lime	106	665
Sticky shale	13	678
Rock	1	679
Hard black shale	38	717
Shale	22	739
Shale and boulders	36	775
Brittle shale and sand	19	794
Shale and boulders	114	908
Shale	117	1025
Gray shale	96	1121
Rock	2	1123
Hard shale	30	1153
Hard sand rock	6	1159
Hard shale	18	1177
Sandy shale and streaks		
hard shale	43	1220
Shale and boulders	5	1225
Sand and sandy shale	10	1235
Hard shale	10	1245
Hard sand and layers shale	23	1268
Hard shale	67	1335
Hard sandstone	10	1345
Shale	16	1361
Rock	3	1364
Sandy shale	20	1384
Rock	2	1386
Sand rock	5	1391
Hard sand and shale	15	1406
Shale and red beds	41	1447
Hard sandy shale	48	1495
Hard sand	15	1510
Shale and red beds	24	1534
(Continued on next page)		

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 174--Continued</u>		
Hard shale	9	1543
Rock	1	1544
Hard shale, red beds and gravel	28	1572
Hard sand and shale	10	1582
Shale, lime gravel and red beds	20	1602
Hard lime	10	1612
Lime and hard shale	30	1642
Hard lime	12	1654
Hard lime and shale	59	1713
Shale, lime and red beds	14	1727
Limestone and hard shale	54	1781
Hard shale and lime	377	2158
Hard lime	4	2162
Hard sandy shale	13	2175
Hard shale, lime and red beds	7	2182
Hard shale, red beds and streaks of sand	15	2197
Hard shale, lime and streaks of sand	19	2215
Sand	19	2234
Sandstone	14	2248
Sandy chalk	2	2250
Sand	53	2303
Sand and hard shale	9	2312
Hard shale	6	2318

Well 175

City of Garland no. 1, in Garland.

Scil	5	5
White rock	445	450
White gravel	4	454
White rock	122	576
Gumbo and boulder	35	611
Scapstone	25	636
Scapstone and shale	45	681
Scapstone	22	703
Scapstone and shale	63	766
Sand	4	770
Scapstone	10	780
Gumbo and scapstone	82	862
Scapstone and boulders	40	902
Scapstone and shale	60	962
Scapstone	12	974
Scapstone and boulders	10	984
Gumbo	20	1004
Gumbo and scapstone	20	1024
Scapstone	49	1073
Scapstone and shale	40	1113
Scapstone and boulders	11	1124

	Thickness (feet)	Depth (feet)
<u>Well 175--Continued</u>		
Soapstone	10	1134
Gumbo and rock	7	1141
Scapstone and shale	28	1169
Boulders and shale	26	1195
Rock	4	1199
Water sand	35	1234
Rock	2	1236
Gumbo	8	1244
Hard rock	2	1246
Boulders and gumbo	8	1254
Boulders and rocks	10	1264
Gumbo and rock	15	1279
Sand and rock	10	1289
Sandy soapstone and gravel	35	1324
Shale and red beds	15	1339
Gumbo and soapstone	78	1417
Hard rock	1	1418
Gumbo	8	1426
Shale and red beds	68	1494
Gravel	12	1506
Red beds and sandy soapstone	43	1549
Hard limestone	611	2160
Water sand	104	2264
Scapstone and sandstone	39	2303

Well 183

W. J. Lang, 5 $\frac{1}{2}$ miles northwest of Garland.

Surface	6	6
Sand and gravel	4	10
White rock	420	430
Shale	534	964
Sand	7	971
Hard rock	1	972
Shale	53	1025
Hard lime rock	2	1027
Shale	20	1047
Lime rock	6	1053
Shale	3	1056
Lime	3	1059
Shale	8	1067
Hard sand	9	1076
Sandy shale	15	1091
Sand	28	1119
Shale	29	1148
Sand rock	2	1150
Shale	2	1152
Lime rock	4	1156
Shale	1	1157
Sand rock	3	1160

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 183--Continued</u>		
Sand	4	1164
Hard sand rock	14	1178
Shale	6	1184
Lime rock	6	1190
Good water sand	42	1232

<u>Well 184</u>		
Floyd West, 12 miles northeast of Dallas Courthouse.		
Surface	6	6
White rock	379	385
Shale	510	895
Hard rock	2	897
Sand	4	901
Gray shale	5	906
Sand	14	920
White shale	4	924
Sand	5	929
Brown shale	6	935
Rock	1	936
Gray sandy shale	10	946
Gray shale	18	964
Brown shale	11	975
Light gray shale	3	978
Lime rock	1	979
Light gray shale	6	985
Hard rock	2	987
Gray shale	1	988
Red shale	7	995
Hard lime rock	5	1000
Gray shale	20	1020
Water sand	22	1042
Hard rock	3	1045
Reddish-gray shale	15	1060
Lime rock	1	1061
Fine-grained sand	3	1064
Dark brown lime	1	1065
Hard lime rock	16	1081
Gray and red shale mixed	6	1087
Brown lime	5	1092
Gray and red shale	8	1100
Sandy shale	10	1110
Gray shale	2	1112
Water sand	12	1124
Gray shale	3	1127
Gray and brown shale	4	1131
Shale, all colors	24	1155
Dark gray shale	14	1169

	Thickness (feet)	Depth (feet)
<u>Well 185</u>		
City of Richardson, in Richardson.		
Surface material	8	8
White rock	182	190
Shale	610	800
Shale and gumbo	86	886
Sandy lime	14	900
Hard lime	12	912
Rock	4	916
Sand	74	990
Soapstone	16	1006
Broken sand and shale	84	1090
Sand	65	1155
Red beds	30	1185
Hard sandy gumbo	74	1259
Broken lime and gumbo	113	1372
Lime	373	1745
Gumbo and soapstone	20	1765
Lime	51	1816
Sand	121	1937
Shale	10	1947

<u>Well 186</u>		
Restland Memorial Park, 11 miles northeast of Dallas Courthouse.		
Soil	8	8
White rock	307	315
Dark shale	93	408
Blue shale	103	511
Dark shale	214	725
Brown shale	54	759
Gray shale	79	838
Hard sandy shale	2	840
Gray sandy shale	22	862
Water sand	19	881
Sticky shale	8	889
Hard gray shale	6	895
Gray shale	14	909
Hard lime rock	1	910
Gray shale	35	945
Hard lime rock	3	953
Lime rock	14	967
Dark gray shale	13	980
Water sand	23	1003
Dark gumbo	3	1006
Lime rock	2	1008
Mixed shale	12	1020
Gray shale	8	1028
Red shale	8	1036
Gray shale	10	1046

(Continued on next page)

Table of Drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 186--Continued</u>		
Hard rock	2	1048
Mixed shale	6	1054
Hard sand	4	1058
Water sand	34	1092
Hard rock	1	1095
Gray shale	5	1098
Dark shale	11	1109
Brown shale	2	1111
Hard sand rock	2	1113
Sandy lime rock	9	1122
Gray shale	8	1130
Brown shale	7	1137
Hard rock	1	1138
Brown gray shale	2	1140
Gray shale	10	1150
Water sand	10	1160
Hard lime rock	6	1166

Well 187

W. S. Kilbourne, 12 miles northeast
of Dallas Courthouse.

Clay and rock	15	15
White rock	272	287
Gray shale	101	388
Blue shale	78	466
Gray shale	85	551
Blue shale	87	638
Gray shale	62	700
Blue shale	55	755
Light brown shale	30	785
Gray shale	12	797
Blue shale	13	810
Sand rock	2	812
Gray sandy shale	19	831
Water sand	25	856
Light shale	14	870
Water sand	5	875
Sandy shale	15	890
Brown shale	12	902
Gray shale	10	912
Sandy shale	3	915
Water sand	25	940
Mixed shale	3	943
Hard sandy lime	12	955
Dark gray shale	7	962
Hard rock	1	963
Sticky brown shale	3	966
Gray shale	2	968
Brown shale	9	977
Red shale	3	980
Red and gray shale	3	983
Gray shale	2	985
Hard lime	7	992

	Thickness (feet)	Depth (feet)
<u>Well 187--Continued</u>		
Fine-grained water sand	3	995
Hard lime and shale	5	1000
Shale	10	1010
Brown and gray shale	5	1015
Lime rock	2	1017
Brown shale	3	1020
Gray shale	10	1030
Red and gray shale mixed	4	1034
Hard sand rock and broken shale	6	1040
Gray shale	3	1048
Red and gray shale mixed	7	1055
Red shale	8	1063
Light-colored sandy shale	4	1067
Brown shale	3	1070
Gray shale	9	1079
Sand rock	1	1080
Water sand	30	1110
Sandy shale	2	1112
Blue shale	2	1114

Well 188

H. D. McWen, 13 miles north of Dallas
Courthouse.

Surface material	6	6
Yellow clay	7	13
White rock	252	265
Blue shale	520	785
Blue sand	13	798
Lime rock	2	800
White shale	24	824
Dark brown shale	4	828
Red shale	7	835
Light gray shale	15	850
Red shale	14	864
Lime rock	6	870
Light gray shale	23	893
White shale	27	920
Brown lime rock	2	922
Water sand	40	962
White shale	2	964

Well 189

-- Murchison, 13 miles north of Dallas
Courthouse.

Surface material	40	40
Shale	650	690
Sand, water	30	720
Gumbo and shale	80	800
Sand, water	12	812
Gumbo and shale	138	950
Sandy shale	30	980
Shale	15	995

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 191, partial log</u>		
C. D. Bell, 12 miles north of Dallas Courthouse.		
Soil	1	1
Hard white rock	9	10
Medium hard blue rock	105	115
Soft blue shale	542	657
Soft white water sand	20	677
Blue sandy shale	23	700
Brown shale	6	706
Gray shale	19	725
Sand rock	1	726
Sandy gray shale	16	742
Lime rock	1	743
Water sand	15	758
White shale	9	767
Brown shale	12	779
Hard sand	5	784
Blue shale	16	800
Gray lime	2	802
Water sand	22	824
Hard blue shale	4	828
TOTAL DEPTH		831

	Thickness (feet)	Depth (feet)
<u>Well 192</u>		
Bert Fields, 12 miles north of Dallas Courthouse.		
Surface material	8	8
Gravel and clay	10	18
White rock	110	128
Shale	522	650
Sand	6	656
Shale	2	664
Sand	9	673
Gray shale	12	685
Sandy shale	15	700
Sand	10	710
Gray shale	15	725
Limestone	4	729
Green putty-like material	3	732
Limestone	11	743
Brown shale	2	745
Hard sandstone	3	748
Fine-grained sand	2	750
Tough shale	8	758
White shale	5	763
Sandstone	3	766
Sand	24	790
Sticky light blue shale	10	800
Brown shale	4	804
Limestone	9	813
Hard limestone	1	814
Red shale	4	818
White shale	7	825

	Thickness (feet)	Depth (feet)
<u>Well 192--Continued</u>		
Lime	7	832
Sand	6	838
Hard sandstone	1	839
Light brown shale	3	842
Hard limestone	6	848
Water sand	31	879
Hard sandstone and light gray shale	1	880

	Thickness (feet)	Depth (feet)
<u>Well 193</u>		
James N. Tardy, 12 miles north of Dallas Courthouse.		
White rock	160	160
Shale	530	690
Water sand	12	702
Sandy shale	8	710
Water sand	19	729
Hard rock	2	731
Sandy shale	24	755
Sand	7	762
White shale	3	765
Water sand	30	795
White shale	11	806
Sand	12	818
Shell rock	1	819
White shale	18	837
Soft white sand	8	845
Hard sand	10	855
White shale	7	862
Red shale	8	870
Sandy shale	15	885
White shale	2	887
Sandy shale	3	890
Pink shale	9	899
Shell rock	1	900
Good water sand	26	926

	Thickness (feet)	Depth (feet)
<u>Well 194</u>		
Mrs. L. J. Pepperberg, 11 miles north of Dallas Courthouse.		
Surface material	16	16
Chalk	139	155
Shale	507	662
Sand	23	685
Shale	2	687
Sandy shale	13	700
Shale and boulders	35	735
Lime	5	740
Shale	8	748
Hard sand	4	752
Tough shale	10	762

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 194--Continued</u>		
Lime	8	770
Gray shale	15	785
Black shale	5	790
Hard white shale	10	800
Black shale	6	806
White shale, some sand	6	812
Sand	97	909

<u>Well 195</u>		
E. E. Fjelgelson, 11 miles north of Dallas Courthouse.		
Soil and black dirt	10	10
Blue shale	653	663
Water sand	2	665
Lime	5	670
Sandy shale	35	705
White shale	70	775
Red shale	5	780
White clay	76	856
Soft water sand	36	892

<u>Well 196</u>		
Dr. M. M. Paule, 11 miles north of Dallas Courthouse.		
Surface material	40	40
Shale	590	630
Sand	40	670
Gumbo and shale	180	850
Sand	30	880

<u>Well 197</u>		
Eddie V. Schaub, 10 miles north of Dallas Courthouse.		
Soil and clay	26	26
White rock	134	160
Blue shale	525	685
Sandstone	3	688
Water sand	24	712
Hard shale	3	715

<u>Well 198</u>		
Alvin M. Loeb, 10 miles north of Dallas Courthouse.		
Surface material	6	6
White rock	163	169
Gray shale	389	558
Brown shale	77	635
Gray shale	20	655
Brown shale	36	691

	Thickness (feet)	Depth (feet)
<u>Well 198--Continued</u>		
Sandy gray shale	14	705
Water sand	28	733
Gray shale	1	734

<u>Well 199</u>		
Ira P. DeLoach, 10 miles north of Dallas Courthouse.		
No record	1004	1004
Gray shale	4	1008
Sandy lime	3	1011
Dark-colored shale	21	1032
Sandy shale	4	1036
Hard lime rock	8	1044
Water sand	27	1071
Blue shale	6	1077

<u>Well 200</u>		
D. L. Keeney, 9 $\frac{1}{2}$ miles north of Dallas Courthouse.		
Surface material	4	4
White rock	218	222
Gray shale	139	360
Brown shale	20	380
Gray shale	256	636
Brown shale	74	710
Gray shale	18	728
Sandy shale	23	751
Water sand	19	770
Gray shale	5	775

<u>Well 201</u>		
Roy Malone, 9 $\frac{1}{2}$ miles north of Dallas Courthouse.		
White rock	226	226
Gray shale	82	308
Brown shale	78	386
Gray shale	194	580
Brown shale	122	702
Gray shale	33	735
Water sand	31	766
Gray shale	1	767

<u>Well 202</u>		
H. L. Graham, 9 $\frac{1}{2}$ miles north of Dallas Courthouse.		
Soil	1	1
White rock	197	198
Blue shale	419	617
(Continued on next page)		

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 202--Continued</u>		
Black shale	83	700
Blue sand and shale	33	733
Water sand	16	749
Gumbo	6	755

<u>Well 203</u>		
Dr. J. L. Jenkins, 9 miles north of Dallas Courthouse.		
Surface material	2	2
White rock	228	230
Blue shale	524	754
Water sand	16	770
Gray shale	20	790
Brown shale	9	798
Light gray shale	11	810
Brown shale	20	830
Purple shale	5	835
Water sand	5	840
Hard rock	10	850
Lime rock	2	852
White shale	8	860
Gray shale	13	873
Brown shale	22	895
Gray and red shale	125	1020
Gray shale	10	1030
Lime rock	2	1032
Water sand	23	1055
Sand rock	5	1060
Lime rock	5	1065

<u>Well 205</u>		
J. Kilchenstein, 10 miles north-east of Dallas Courthouse.		
Silt and clay	17	13
White rock	347	360
Shale	538	398
Sand, water	22	920
Shale	12	932
Sand, water	32	964
Shale	11	977
Lime	2	979
Dry sand	8	987
Sand, water	27	1014
Lime	9	1023
Shale	22	1045
Red shale	29	1074
Sand, water	23	1097
Lime	13	1115
Red shale	3	1118
Lime	9	1127

	Thickness (feet)	Depth (feet)
<u>Well 206</u>		
Carl A. Mangold, Jr., 8 miles northeast of Dallas Courthouse.		
Black soil	3	3
Lime and gravel	4	7
Lime	3	10
Gray shale	3	13
Lime shells	8	21
Chalky lime	25	46
Shells and lime	40	86
Chalk and lime	114	200
Chalk	75	275
Brown shale	20	295
Chalk	79	374
Lime and fossils	4	378
Brown shale	65	443
Pyrites and lime	5	448
Dark brown shale	44	492
Gray shale	14	506
Brown shale	54	560
Blue shale	235	795
Brown shale	85	880
Lime	25	905
Good sand	15	920
Blue shale	8	928
Sand	23	951
Hard sandy lime	12	963
Blue shale	4	967
Hard sand	26	993
Hard sand and lime	12	1005
Hard sand	14	1019
Blue shale	5	1024
Sandy lime	4	1028
Soft sand	34	1062
Hard sand	25	1087
Gray sandy shale	5	1092
Blue shale	18	1110
Sandy lime and chalk	5	1115
Blue shale	9	1124
Hard sand	3	1127
Red rock	3	1130
Sand	10	1140
Sandy lime	15	1155
Sand	3	1158

<u>Well 208</u>		
Reynolds Presbyterian Orphanage, 7 1/2 miles north east of Dallas Courthouse.		
Surface material	10	10
White rock	295	305
Blue shale	465	770

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

Well 208--Continued		Well 210			
Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)		
Well 208--Continued		Well 210			
Soapstone	15	785	Underwood and Wzell, 6 miles north of Dallas Courth use.		
Broken sand	60	845	Soil and surface material		
Soapstone and hard sand rocks	90	935	Chalk		
Good water sand	38	973	Shale		
Sand, mixed with soapstone	47	1020	Water sand (p. r)		
Well 209		Sandy shale			
Glen Lakes Country Club, 7 ¹ miles north-east of Dallas Courthouse.		Shale			
White rock	245	245	Water sand		
Shale and ledges of rock	515	760	Shale		
Shell, rock	5	765	Miller McCraw, 6 miles north of Dallas Courthouse.		
Sandy lime	3	768	White limestone		
Water sand	22	790	Shale		
Brown gumbo	18	808	Water sand		
Pink shale	7	815	Shale		
Hard rock	5	820	Water sand		
Light brown shale	4	824	Shale		
Mixed shale	4	828	Hard white rock		
Hard lime	7	835	Gray shale		
Gray shale	15	850	Hard brown rock		
Mixed shale	4	854	Water sand		
Hard lime	10	864	Shale		
Red gumbo	16	880	Well 212		
White gumbo	3	883	Harry W. Bass, 6 ¹ / ₂ miles north of Dallas Courth use.		
Black shale	10	893	Surface material	18	18
Lime rock	5	898	White rock	136	154
Red gumbo	3	903	Shale	506	660
Hard lime rock	4	907	Sand	20	680
White shale	1	908	Hard rock	5	683
Fine-grained sand	2	910	Sandy shale	29	712
Red gumbo	5	915	Gray shale	17	729
Shale, all colors	5	920	Lime	3	732
Hard lime rock	5	925	Shale	20	752
Sandy lime	9	934	Hard sandy lime	13	765
Gray shale	8	942	Sand	18	783
Hard lime	4	946	Shale	15	798
Red shale	3	949	Lime rock	7	805
Hard lime	4	953	Brown shale	9	814
Shale, all colors	4	957	Hard lime	9	823
Hard lime	2	959	Mixed shale	3	826
Gray shale	3	962	Hard lime	5	831
Sandy lime	7	969	Shale	27	858
Gray shale	4	973	Sand	6	864
Red shale	5	978	Yellow shale	4	868
Hard lime rock	3	981	Shale	27	893
Sandy lime	18	999	Lime rock	5	898
Shale, all colors	17	1016	(Continued on next page)		
Hard lime rock	9	1025			
Blue shale	10	1035			
Water sand	90	1125			

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 212--C ntinued</u>		
Shale	12	910
Gumbo	14	924
Lime	10	934
Water sand	66	1000

<u>Well 213</u>		
Preston Road Fresh Water Supply Dist. no. 10, 7 $\frac{1}{2}$ miles north of Dallas Courthouse.		
White rock	135	135
Shale	641	776
Sand	22	798
Shale, gumbo and thin rocks	137	935
Sand	35	970
Shale	5	975

<u>Well 214</u>		
Harold Byrd, 7 miles north of Dallas Courthouse.		
Soil	5	3
Chalk	170	173
Blue shale, a few layers of rock	507	680
Water sand	12	692
Lime rock	4	696
Sandy shale	12	708
Sandy shale and hard lime shells	36	744
Sand	106	850

<u>Well 221</u>		
Rae Skillern, 8 $\frac{1}{2}$ miles northwest of Dallas Courthouse.		
Yellow clay	21	21
Blue shale	469	490
Sand, p. or	15	505
Shale	10	515
Very hard rock	1	516
Sand, p. or	6	522
Shale	49	571
Sharp sand rock	3	574
Sand	31	605
Shale	72	677
Shell, sand rock and sand	22	699
Red beds	12	717
Fine-grained lime, sand	11	728
Shale	25	753
Coarse-grained sand	49	802
Broken sand and shale	8	810

	Thickness (feet)	Depth (feet)
<u>Well 230</u>		
A. and Rex McCullough, 7 $\frac{1}{2}$ miles north- west of Dallas, Courthouse.		
Sand	2	2
Red clay	4	6
Sand and gravel	10	16
Gray shale	224	240
Brown shale	110	350
Hard rock	1	351
Water sand	20	371
Shell rock	7	378
Shale	2	380

<u>Well 239</u>		
City of Dallas no. 4, 6 miles north- west of Dallas Courthouse.		
Soil	6	6
Clay	12	18
Gravel, sand	54	72
Sand rock	3	75
Shale and clay	337	412
Sand rock	5	417
Hard water bearing sand	16	433
Sand rock	4	437
Hard sand and streaks of hard sand rock	228	665
Sand	22	687
Sand rock	4	691
White marl or soapstone	7	698
Sand rock	3	701
Blue shale	7	708
Hard sand	25	733
Sand rock	3	736
Gumbo	17	753
Shale, soapstone	12	765
Sand rock	4	769
Gumbo	5	774
Hard sand	9	783
Sand rock	2	785
Blue shale	15	800
Gumbo	9	809
Shale	8	817
Sand rock	4	821
Shale	14	835
Limestone, rock	7	842
Gumbo	9	851
Shale	9	860
Limestone	7	867
Gumbo	9	876
Hard limestone	15	891
Limestone	23	914
Shale	9	923

(Continued on next page)

Table of drillers' logs, Dallas County-- continued

Well 239--C continued			Well 243		
	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Limestone	27	950	J. L. Hathaway, 6 ¹ miles northwest of Dallas Courthouse.		
Shale	11	961	Soil and clay	18	18
Limestone	109	1070	White rock	2	20
Shale	1	1081	Blue shale	325	345
Limestone	1	1102	Black shale	102	447
Shale	8	1107	Sandy shale, some water	5	452
Hard limestone	173	1270	Water sand	16	468
Sand rock	1	1276	Sandy shale, limey	17	485
Gumb. with streaks of Limestone	77	1363			
Sand	2	1365	Well 244		
Sand rock	4	1369	L. J. Lissauer, 5 ¹ miles northwest of Dallas Courthouse.		
Hard sand	8	1377	Soil	1	1
Good coarse-grained sand	27	1401	Gray-white rock	15	16
Good sand, but finer- grained	26	1427	Blue rock	10	26
Sand rock	1	1429	Blue shale	409	435
Shale, soapstone	7	1436	Black shale	91	526
Sand rock	2	1438	Blue sandy shale	11	537
Hard fine-grained sand and streaks of soapstone	11	1449	Water sand	22	559
Sand rock	1	1451			
White marl	1	1455	Well 245		
Coarse-grained sand	1	1459	J. P. Stephenson, 5 ¹ miles northwest of Dallas Courthouse.		
Fine-grained sand and sandstone	2	1461	Surface material	2	2
Hard sand and streaks of fine-grained soft sand	25	1486	White rock	58	60
Sand rock	3	1489	Shale, gumbo and thin rocks	60	120
Blue dirty looking sand	38	1527	Hard sand rock	1	121
			Shale, gumbo and thin rocks	504	625
			Broken sand	16	641
			Shale, gumbo and thin rocks	85	724
			Sand rock	3	727
			Shale	9	736
			Broken sand	14	750
			Shale	30	780
			Fine-grained sand	15	795
			Shale	6	801
			Soft sand rock	6	807
			Shale	23	830
			Fine-grained sand	12	842
			Sand rock	1	843
			Shale	3	851
			Sand	40	891
			Shale	7	898
Well 240					
City of Dallas no. 12, 6 miles north- west of Dallas Courthouse.					
Soil and yellow clay	8	8			
Yellow sand	10	18			
Light blue shale	2	20			
Yellow and gray sand, some gravel	34	54			
Blue shale	288	342			
Hard water sand	2	344			
Water sand and 7 feet of hard sand rock	20	364			
Soapstone and coarse- grained hard sand rock	11	375			
Light blue, gray and pink shale and layers of hard sand rock	133	508			
Water sand	32	540			
Broken sand rock	2	542			

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 248</u>		
City of Dallas no. 15, 2 $\frac{1}{2}$ miles north-west of Dallas Courthouse.		
Dirt	10	10
Clay and gravel	10	20
Sand	10	30
Shale	85	115
Rock	1	116
Shale	53	169
Rock	1	170
Shale	42	212
Rock	1	213
Shale and gravel	24	237
Rock	1	238
Shale	85	323
Rock	2	325
Shale	10	335
Rock	50	385
Shale and soapstone mixed	24	409
Rock	1	410
Mixed sand	10	420
Rock	2	422
Shale	14	436
Sand rock	8	444
Sand	30	474
Soapstone	11	485
Sand	81	566
Shale	4	570
Sand	28	598
Gravel	15	613
Sand	29	642
Mustard seed shale and red soapstone	7	649
Sand	20	669
General mixture, shale, sand and soapstone and thin layers of rock	24	693

	Thickness (feet)	Depth (feet)
<u>Well 249</u>		
City of Dallas no. 2, 2 $\frac{1}{2}$ miles north-west of Dallas Courthouse.		
Soil	17	17
Sand	5	22
Gumbo	319	341
Tough rock	15	356
Sand	5	361
Hard rock	1	362
Sand	21	383
Shale	21	404
Sand rock	12	416
Hard shale	33	439
Rock	2	441
Gumbo	36	477

	Thickness (feet)	Depth (feet)
<u>Well 249--Continued</u>		
Sand rock	37	514
Hard rock, some pyrites	2	516
Hard blue shale	40	556
Very dark gumbo	20	576
Blue shale	17	593
Rock	4	597
Shale	9	606
Very fine gravel	2	608
Shale	13	621
Alternate strata of red and blue shale with occasional hard sand rock	146	767
White lime rock	8	775
Blue shale	6	781
White lime rock	21	802
Blue shale	32	834
White lime rock and thin layers of blue shale 5 to 10 inches thick	38	872
Hard lime rock	14	886
Alternate layers blue lime rock, blue gumbo	37	923
Hard and shelly lime rock	8	931
Blue gumbo	29	960
Alternate strata of lime rock and blue shale from 1 to 2 $\frac{1}{2}$ feet thick	13	973
Blue shale	22	995
Very hard white lime rock, spots of pyrites	16	1011
Alternate strata of blue shale and white lime rock; lime rock 1 $\frac{1}{2}$ to 8 feet thick; blue shale 1 to 4 feet thick	70	1091
Blue shale	19	1100
White lime rock	18	1118
White marl	1	1119
Dingy brown sand rock	5	1124
White lime rock	7	1131
Layers of white lime rock and blue shale	21	1152
Hard and tough white lime rock	35	1187
Thin layers of lime rock and blue shale	23	1210
White lime rock	10	1220
Sand rock	5	1225
Very fine-grained water sand	41	1266
Hard pack sand	29	1295

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

Well 249--Continued		Well 250--Continued			
	Thickness (feet)	Depth (feet)			
Red and white speckled gritty shale	3	1298	Very hard white lime rock	16	760
Hard sand rock	1	1299	Blue shale and thin strata of limestone	29	789
Water sand, white and pretty hard	22	1321	Lime rock and layers of blue shale	21	809
Sand, a little soft	21	1342	Blue shale and thin layers of white		
Sand	25	1367	limestone	22	831
Very hard blue sand rock	3	1370	White limestone	9	840
Good sand	30	1400	Blue shale	9	849
Shale	3	1403	Very hard white limestone	9	858
Very hard lime rock	1	1404	Blue shale and thin layers of limestone	25	883
Gumbo	1	1405	Very hard lime rock and shells	23	906
			Gummy blue shale	5	911
			Hard lime rock	2	920
			Blue shale, thin layers of limestone	14	934
			White limestone with hard shells	24	958
			Hard layers of white lime rock and blue shale	122	1030
			White marl and thin layers of sand rock	7	1087
			Hard sand rock	5	1092
			Thin layers of sand rock and dark blue shale	25	1117
			Dingy brown and flinty hard rock	3	1120
			Dark blue shale	3	1123
			Hard and tough lime rock	12	1135
			Gummy blue shale	7	1142
			Hard lime rock	4	1146
			Layers of blue shale and lime rock	38	1184
			Hard and tough white lime rock	11	1195
			Blue shale and white shells	7	1202
			Layers of sand rock and light blue shale	3	1210
			Sand rock	6	1216
			Hard sandy chalky rock	8	1224
			Good water sand	45	1269
			Hard sand rock, thin layers of light blue shale	15	1284
			Water sand	6	1290
			Soft fine-grained water sand	9	1299

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 250--Continued</u>		
Thin layers of sand rock and fine-grained white sand	16	1314
Sand rock and thin layers of light blue shale	4	1318
Alternate layers of sand rock, green, white and red shale	11	1329
Dingy white pack sand	7	1336
Layers of hard sand rock and shale	44	1380
Gritty light blue shale	17	1397
Layers of hard rock	7	1404
Alternate layers of lime rock and light blue shale	14	1418
Layers of white lime rock and blue shale	5	1423

Well 251 ^{7/}

City of Highland Park no. 3, $3\frac{1}{2}$ miles north of Dallas Courthouse.		
Clay	6	6
White rock	165	171
Blue shale	68	239
Blue shale and marl	91	330
Shale	38	368
Rock	1	369
Shale	131	500
Shale and marl	93	593
Sandy shale	9	602
Sand rock	32	684
Shale and rock	23	767
Sand rock	27	794
Sandy shale	61	855
Sand rock	12	868
Sandy shale	40	908
Hard sand and sand rock	18	926
Hard water sand and sand rock	31	957
Shale and gumbo	17	974
Shale and lime rock	76	1050
Sand and lime rock	6	1056
Lime rock	35	1091
Shale and lime rock	31	1122
Limestone rock	19	1141
Shale and marl	8	1149
Lime rock	21	1170
Marl and lime rock	79	1249
Lime rock	136	1435
Shale and lime rock	13	1448
Lime rock	108	1556
Shale	15	1571
Lime and sand rock	9	1580
Shale and scapstone	6	1586

	Thickness (feet)	Depth (feet)
<u>Well 251 ^{7/} --Continued</u>		
Sand	31	1617
Sandy shale	13	1630
Shale and lime rock	14	1644
Water sand	33	1677
Sand	50	1727
Sandy lime rock	6	1733
Lime rock	7	1740
Broken lime	64	1804
Hard lime	6	1810
Broken lime	12	1822
Lime rock	10	1832
Broken lime	23	1855
Lime	22	1877
Lime rock	28	1905
Broken lime	28	1933
Hard lime	47	1980
Lime rock	15	2011
Hard lime	8	2019
Lime rock	14	2033
Hard lime	42	2075
Broken lime	20	2095
Hard lime rock	41	2136
Sandy lime	17	2153
Hard sand	96	2249
Sharp sand	2	2251
Sand	4	2255
Sandy lime	18	2273
Lime and streaks of sand	13	2286
Sandy lime, sand	25	2311
Lime, hard sand, hard lime	29	2340
Hard lime	8	2348
Hard sand rock	3	2351
Hard rock, lime rock	16	2367
Hard lime	41	2408
Red beds	19	2427
Red beds, sand	10	2437
Red beds, gumbo	16	2453
Red beds	3	2456
Red beds, streaks of sand	46	2502
Hard lime	2	2504
Red beds	8	2512
Red beds, hard sand	16	2528
Sand	175	2703
Hard sand	12	2715
Sand rock and lime	19	2734
Sand, shale, hard lime	22	2756
Hard sandy lime	12	2768

^{7/} Dallas Petroleum Geologists, op. cit.
pp. 114-115.

Well 253 ^{8/}

City of Highland Park no. 2, 4 miles
north of Dallas Courthouse.

(Continued on next page)

Table of Drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 253 E/--Continued</u>		
Surface material	7	7
White rock	106	113
Shale	240	353
Gumbo	100	453
Shale	119	572
Rock	60	632
Pyrites, sand and shale	12	644
Soapstone	20	664
Shale	30	694
Soapstone	15	707
Sand, shale	60	767
Soapstone and sand	14	781
Shale	10	791
Soapstone	10	801
Hard sand rock	20	821
Sand	20	841
Shale	70	871
Gumbo	10	881
Soapstone	10	891
Sand	15	906
Hard sand	90	996
Shale	20	1016
Lime rock	20	1036
Shale and boulders	30	1066
Lime	177	1133
Gumbo	26	1219
Lime	16	1235
Gumbo	2	1237
Broken lime	27	1264
Lime	62	1326
Broken lime	22	1348
Lime	22	1370
Broken lime	12	1388
Lime rock	17	1405
Lime	19	1424
Lime rock	22	1446
Shale	6	1452
Lime rock	9	1461
Lime	2	1463
Hard lime	7	1470
Lime	14	1484
Hard lime	7	1491
Lime	30	1521
Shale and boulders	5	1526
Lime	17	1543
Shale	6	1549
Lime	2	1551
Sand	50	1601
Gumbo	2	1603
Red gumbo	6	1609
Broken sand	28	1637
Red gumbo	5	1642
Hard rock	4	1646
Hard sand	1	1647

	Thickness (feet)	Depth (feet)
<u>Well 253 S/--Continued</u>		
Sand and shale	29	1676
Sand	19	1695
Sand rock	2	1697
Hard sand	7	1704
Rock	3	1707
Lime rock	19	1726
Hard lime rock	17	1743
Broken lime rock	44	1787
Hard rock	4	1791
Hard lime rock	11	1802
Broken lime	20	1822
Hard lime	4	1826
Broken lime	9	1835
Hard lime	3	1838
Broken lime	31	1869
Hard lime	4	1873
Broken lime	30	1903
Hard lime	22	1925
Sand rock	2	1927
Hard sand rock	1	1928
Hard lime	11	1939
Lime rock	49	1988
Broken lime	4	1992
Lime	5	1997
Lime rock	41	2038
Broken lime	35	2073
Lime rock, hard	37	2110
Soapstone	2	2112
Lime rock	16	2128
Broken lime	42	2170
Lime rock	20	2190
Broken lime	19	2209
Lime rock	10	2219
Hard lime	26	2245
Sandy lime	7	2252
Hard lime	5	2257
Sandy lime	15	2272
Hard sand	9	2281
Sand	11	2292
Hard sand	9	2300
Sand	8	2308
Hard sand	7	2315
Sand	7	2322
Hard sand	6	2328
Sand	14	2342
Hard sand	20	2362
Red mud, little streaks of sand	15	2377
Red mud, streaks of sand	18	2395
Red beds, sandy lime	9	2404
Hard lime	1	2405
Hard sand rock	3	2408

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 253 8/</u> --Continued		
Hard sand	9	2417
Sand rock	39	2456
Pyrites, sand rock	5	2461
Sand rock	2	2463
Very hard lime	2	2465
Lime rock	7	2472
Sand rock	4	2476
Sandy lime	11	2487
Lime rock	39	2526
Red beds, lime rock	8	2534
Lime rock	8	2542
Red beds	24	2566
Red beds, sand	6	2572
Red beds and broken sand	20	2592
Red beds and sand	60	2652
Hard sand	5	2657
Sand rock	9	2666
Red beds and sand	22	2688
Sand	17	2705
Red beds, hard sand	45	2750
Marl sand	7	2757
Sand	13	2770
Hard sand	12	2782
Water sand	41	2823
Hard sand	6	2829
Lime rock, sand	12	2841
Hard sand rock	2	2843
Hard sand rock	3	2851
Sand	9	2860
Hard red pyrites	1	2861

8/ Dallas Petroleum Geologists, op. cit., pp. 115-116.

Well 254

H. D. Lindsley, 4 $\frac{1}{2}$ miles north of Dallas Courthouse.

Soil	4	4
Clay	5	9
Shelly white rock	5	14
White rock	126	140
Shale, some boulders	40	180
Sand rock	2	182
Sand	12	194
Sandstone	7	197
Sand rock	1	198
Shale, sandstone	9	207
Sand rock	2	209
Shale, boulders and sandstone	456	665
Sand rock	2	667
Sand	12	679
Hard pack sand	26	705
Sand rock	4	709

	Thickness (feet)	Depth (feet)
<u>Well 254--Continued</u>		
Sand and gravel	2	711
Gumbo	4	715
Shale and soapstone	10	725
Sand rock	1	726
Gravel	2	728
Red marl	7	735
Shale	3	738
Gumbo	4	742
Red marl	9	751
Sand rock	2	753
Gravel	3	756
Soapstone	4	760
Sand rock	2	762
Mustard seed gravel	3	765
Shale	7	772
Red marl	9	781
Blue gumbo	8	789
Shale	7	796
Sand rock	2	798
Fine-grained gravel and sand	3	801
Shale	5	806
Red marl	6	812
Blue gumbo	4	816
Sand rock	2	818
Gravel and fine-grained sand	2	820
Shale	10	830
Red marl	11	841
Blue gumbo	2	843
Sand rock	2	845
Fine-grained gravel	2	847
Sand rock	2	849
Shale	6	855
Red marl	7	862
Blue gumbo	8	870
Sand rock	3	872
Fine-grained gravel	2	875
Shale	9	884
Concrete rock	5	889
Fine-grained gravel, some sandstone	5	894
Red marl	7	901
Blue gumbo	5	906
Shale	5	911
Sand rock	1	912
Hard packed rock	1	921
Red marl	7	928
Gumbo	7	935
Sand rock	2	937
Gravel	3	940
Red marl	6	946
Blue gumbo	3	949

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

Well 254--Continued		Well 255--Continued			
Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)		
<u>Well 254--Continued</u>		<u>Well 255--Continued</u>			
Sand rock	2	951	Shale	32	1030
Gravel	3	954	Gumbo	14	1044
Shale	7	961	Lime rock	14	1058
Sand rock	1	962	Gumbo	5	1063
Blue gumbo	4	966	Lime rock	87	1150
Fine-grained gravel and sand	5	971	Gumbo	22	1172
Hard sand	3	979	Lime rock	43	1215
Soapstone and sand	2	987	Gumbo and boulders	20	1235
Red coarse-grained sand	10	997	Hard lime rock	25	1260
Soapstone	3	1000	Gumbo	4	1264
Red coarse-grained sand	16	1016	Soft lime rock	6	1270
Shale	2	1018	Hard lime rock	4	1274
			Gumbo	8	1282
			Lime rock	140	1422
			Gumbo	4	1426
			Lime rock	42	1463
			Shale	5	1473
			Gumbo and boulders	12	1492
			Lime rock	66	1558
			Shale	6	1564
			Lime rock	53	1617
			Water sand	22	1630
			Lime rock	2	1641
			Water sand	15	1656
			Gumbo	4	1660
			Water sand	3	1669
			Gumbo	19	1688
			Water sand	42	1730
			Pyrites of iron	2	1732
			Water sand	32	1764
			Hard sand	5	1769
			Gumbo	5	1772
			Lime rock	34	1806
			Gumbo	10	1816
			Lime rock	30	1846
			Gumbo	7	1853
			Lime rock	17	1870
			Broken lime rock	8	1878
			Lime rock	3	1887
			Gumbo	6	1893
			Lime rock	5	1898
			Sand	10	1908
			Shale and lime boulders	14	1922
			Lime rock	3	1930
			Sand rock	6	1936
			Lime rock and shale	9	1945
			Hard lime rock	115	2060
			Broken shale and lime	7	2067
			Hard lime rock	48	2115
			Gumbo	6	2121
			Hard lime rock	170	2291
			Water sand	44	2335

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

Well 255--Continued		Well 257--Continued			
Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)		
Red gumbo	2	2337	Hard sandy shale	80	1132
Sand	19	2356	White sandy marl	20	1152
Gumbo	5	2361	White marl	33	1185
Sand	3	2369	Gumbo	30	1215
Gumbo	3	2372	Lime and white marl	30	1245
Hard sand	3	2375	White marl	26	1271
Not given	1	2376	Lime	7	1278
Red gumbo	5	2381	Hard lime	18	1296
Sand	5	2386	Not given	5	1301
Lime boulders	4	2390	Lime and marl	31	1332
Gumbo	3	2393	Lime	190	1522
Hard sand	6	2399	Lime and marl	36	1558
Red gumbo and shale	5	2404	Lime	23	1581
Sand	21	2425	Sandy lime	37	1613
Hard sand rock	4	2429	Hard lime	57	1675
Not given	7	2436	Gumbo and lime shells	10	1685
Sand	12	2448	Lime	6	1691
Hard sand rock	6	2454	Shale	6	1697
Hard sand	12	2466	Hard lime and rock	12	1709
Hard lime rock	20	2486	Sand	30	1739
Sand	10	2496	Sand and sand rock	8	1747
Hard lime rock	6	2502	Hard sand	8	1755
Sand	5	2507	Sand	55	1810
Lime rock	16	2523	Lime	45	1855
Red shale and gumbo	17	2540	Sand	36	1891
Red shale and sand	10	2550	Lime	6	1897
Gumbo	10	2560	Sand	33	1930
Sand	5	2565	Lime	70	2000
Gumbo	13	2578	Lime and marl	189	2189
Lime rock	2	2580	Sand and sandy lime	42	2231
Gumbo	23	2603	Lime and marl	85	2316
Hard sand and cap rock	29	2632	Sand	20	2336
Sand	139	2771	Gumbo	16	2352
Hard sand and lime rock	3	2779	Sand	27	2379
Sand	30	2809	Gumbo	23	2402
Lime rock and sand	5	2814	Lime	53	2455
Shale and sand	36	2850	Sandy lime	81	2536
			Lime	71	2607
			Hard sandy lime	20	2627
			Hard lime	17	2644
			Red gumbo	31	2675
			Hard lime	6	2681
			Hard sand	10	2691
			Sandy shale	25	2716
			Water sand	40	2756
			Sand	18	2774
			Sand rock	10	2784
			Sand	5	2789
			Gumbo	5	2794
			Hard sand	93	2892
			Hard lime	6	2893
			Sand and shale	77	2975
			Sandy lime	24	2999

Well 257

Southern Methodist University, 4³ miles
northeast of Dallas Courthouse.

Yellow clay and sand	19	19
White rock	261	280
Shale	446	726
Shale	86	812
Hard sand and rock	15	824
Sandy shale	85	909
Sandy shale and gumbo	21	970
Hard sand and sand rock	10	950
Not given	22	972
Sandy shale	60	1032
Pack sand	10	1042
Gumbo	10	1052

Table of Drillers' logs, Dallas County--Continued

Well 258		Well 259			
	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Vickory Place, 3½ miles north east of Dallas Courthouse.			Terrill Preparatory School and Junior College, 3 miles northeast of Dallas Courthouse.		
Surface material	21	21	Joint clay	22	22
White rock	226	247	White rock	235	257
Shale	61	308	Blue shale	76	333
Gumbo	70	378	Gumbo	3	336
Shale	91	469	Hard rock	2	338
Rock	1	350	Blue shale	92	430
Shale	65	413	Hard rock	2	432
Gumbo	21	434	Blue shale	67	505
Hard rock	1	435	Gumbo	12	537
Shale	20	455	Blue shale	193	730
Hard rock	1	456	Hard rock	23	753
Shale and rock	20	476	Water sand	5	758
Shale	21	497	Hard rock	1	759
Hard rock	1	498	Soapstone	2	761
Shale	20	518	Very hard rock	4	765
Hard rock	1	519	Gumbo	19	784
Shale	12	531	Blue shale	2	786
Gumbo	8	539	Gumbo	5	791
Shale	20	559	Soft rock	7	798
Hard rock	1	560	Gumbo and shale	25	823
Shale	20	580	Hard rock	7	830
Shell rock	1	581	Sand rock	11	841
Hard shale	20	601	Shale and small gravel	31	872
Gumbo and shale	21	622	Hard rock	2	874
Shale	105	727	Sand rock	18	892
Hard rock	1	728	Blue shale	8	900
Shale	21	749	Shale and gravel	15	915
Rock	1	750	Water sand	39	954
Shale and soapstone	19	769			
Sand rock	1	770	Well 260		
Shell rock	1	771	Munger Place 3 miles northeast of Dallas Courthouse.		
Sand	27	798	Surface dirt	12	12
Pyrites	11	812	White rock	198	210
Hard shale	6	818	Shale	90	300
Pyrites	5	823	Rock	2	302
Hard pack sand	20	843	Gumbo	42	344
Hard rock	1	844	Rock	1	345
Hard pack sand	18	862	Shale	45	390
Hard rock	1	863	Gumbo	10	400
Hard shale	6	869	Rock	2	402
Hard pack sand	5	874	Shale	18	420
Hard rock	1	875	Rock	2	422
Hard pack sand	6	881	Shale and sand	22	450
Hard shale	4	885	Rock	1	451
Hard rock	4	889	Shale	34	485
Hard shale	6	895	Rock	2	487
Shale	22	917			
Sand	2	925	(Continued on next page)		
Soapstone	25	950			
Water sand	36	986			

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 260--Continued</u>		
Shale and scapstone	8	495
Shell rock	5	500
Gravel and shale	40	540
Rock	2	542
Shale	33	565
Rock	1	566
Gumbo	14	580
Rock	1	581
Shale	29	610
Rock	1	611
Shale	21	640
Rock	2	642
Shale	38	680
Rock	1	681
Hard pack sand	12	695
Shale	10	705
Rock	3	708
Shale	12	720
Rock	2	722
Mustard seed shale	28	750
Rock	4	754
Hard pack sand	16	770
Shale and sand	20	790
Rock	2	792
Scapstone and shale	3	805
Sand rock	5	805
Sand	28	833
Rock	2	835
Mixed rock	15	850
Sand and shale	9	859
Sand	10	869
Rock	4	873
Hard pack sand	7	880
Rock	2	884
Red marl and sand	4	888
Rock	7	895
Scapstone	1	896
Sand	32	928

Well 261

Lakewood Country Club, 4 $\frac{1}{2}$ miles north- east of Dallas Courthouse.		
White rock	395	395
Shale, gumbo and thin streaks	470	865
Sand	39	904
Shale and gumbo	123	1047
Sand	51	1098
Shale and sand	188	1286
Lime	470	1756
Broken sand	5	1761
Sand	119	1880

	Thickness (feet)	Depth (feet)
<u>Well 264 9/</u>		
Buckner Orphans Home, 7 $\frac{1}{2}$ miles east of Dallas Courthouse.		
Surface soil	8	8
Chalk	505	513
Shale	247	760
Gumbo	35	795
Shale	328	1123
Sand rock	11	1134
Hard rock	1	1135
Shale and scapstone	25	1160
Gumbo	20	1180
Shale and scapstone	30	1210
Sand and hard shale	55	1265
Sand	57	1322
Redbed and sandy shale	110	1432
Sand	50	1482
Lime	8	1490
Redbed lime and shale	57	1547
Sand and lime	44	1591
Hard lime	54	1645
Gumbo and lime	30	1675
Hard lime	45	1720
Gumbo	24	1744
Hard lime and streaks of gumbo	353	2097
Broken sand and shale	15	2112
Broken sand and lime	46	2158
Redbed and scapstone	15	2173
Sand	30	2203
Gumbo and hard lime	10	2213
Sand	97	2310
Lime	31	2341
Hard sand rock	5	2346
Sandy lime	26	2372
Hard lime	266	2638
Sand and thin streaks of redbed	164	2802
Hard broken lime	32	2834
Broken sand	21	2855
Hard broken lime	42	2897
Broken sand	23	2920
Lime and redbed	28	2948
Redbed	37	2985
Very hard sandy lime	100	3085
Sand and thin streaks of redbed	238	3323
Hard lime and gravel	14	3337
Sand	34	3371
Gravel and scapstone	7	3378

9/ Dallas Petroleum Geologists, p.
cit., pp. 116-117.

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 266</u>		
Buckner Orphans Home, 6 miles east of Dallas Courthouse.		
Soil and white rock	3	3
White rock	487	490
Blue shale	10	500
Hard sandy limestone	1	501
Blue shale	465	966
Water sand, blue and speckled shale in streaks	13	1004
Red, white and blue shale	20	1024
White marl and thin layers of sand rock	14	1038
White and blue marl	12	1050
Hard fine-grained water sand	10	1060
Red, blue and gray shale and thin layers of sandstone	79	1139
Water sand	9	1148
Very hard sandstone	2	1150
Water sand	3	1153
Sand and dingy yellow gravel	15	1168
Speckled red, white and blue marl	150	1318
Hard water sand	25	1343

	Thickness (feet)	Depth (feet)
<u>Well 269</u>		
Leonard Bradford, 7 miles southeast of Dallas Courthouse.		
White rock	560	560
Shale	40	600
Rock	1	601
Gumbo	17	618
Shale	122	740
Gumbo	20	760
Shale	285	1045
Hard shale and sand	15	1060
Rock	1	1061
Gumbo	17	1078
Hard pack sand	7	1085
Shale	40	1125
Scapstone	3	1128
Shale	17	1145
Hard sand	17	1162
Shale	18	1180
Gumbo	15	1195
Sand	5	1200
Scapstone	2	1202
Red gumbo	10	1212
Scapstone	3	1215

	Thickness (feet)	Depth (feet)
<u>Well 269--Continued</u>		
Red clay	13	1228
Shale	7	1235
Scapstone	3	1238
Shale	7	1245
Rock	1	1246
Hard sand	19	1265

	Thickness (feet)	Depth (feet)
<u>Well 278</u>		
Green Floral Co., 4 miles southeast of Dallas Courthouse.		
Sand, red clay and gravel	40	40
White rock	210	250
Shale	50	300
Sandstone	2	302
Shale and occasional boulders	446	748
Sand	15	763
Scapstone	4	767
Sand	5	772
Shale	16	788
Sand	18	806
Red shale and scapstone	33	839
Sand	38	877

	Thickness (feet)	Depth (feet)
<u>Well 279</u>		
Silvers Box Factory, 4 miles southeast of Dallas Courthouse.		
Soil, clay and gravel	59	59
White and blue rock	243	302
Shale and gumbo and few thin streaks of rock	503	805
Shale, gumbo and some red marl with streaks of hard sand rock	182	987
Dark or dirty water sand	16	1003
Water sand	6	1009

	Thickness (feet)	Depth (feet)
<u>Well 280</u>		
Texas Ice and Cold Storage Co., 2 miles east of Dallas Courthouse.		
Surface soil and clay	20	20
Surface water sand	36	56
White rock	211	267
Blue shale and 4-inches of lime rock at 297 feet	414	681
Hard sandy lime rock	1	682
Scapstone and sand rock in streaks	10	692
Soft coarse-grained water sand	7	699

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 280--Continued</u>		
Light blue shale and thin rocks	19	718
Fine-grained water sand	8	726
Sand rock and gray shale	12	738
Hard water sand	4	742
Soft red and white marl	26	768
Hard sand rock	2	770
Water sand	50	820
White marl and thin layers of sand rock	6	826

<u>Well 281</u>		
Thrift Packing Co., 2 miles east of Dallas Courthouse.		
Soil and clay	54	54
White rock	161	195
Blue shale	497	692
Water sand	5	697
Sandy limestone	3	700
Brown shale	9	709
Hard limestone	6	715
Brown sandy shale	14	729
Hard limestone	9	738
Sandy shale	25	763
Sandstone	30	793
Brown shale	32	815
Sticky blue shale	21	836
Red shale	21	857
Hard limestone	9	866
Water sand	70	936
Limestone	10	946

<u>Well 285</u>		
City of Dallas no. 39, 3 1/2 miles south of Dallas Courthouse		
Surface material	12	12
Chalk rock	184	196
Shale	38	234
Rock	1	235
Hard shale	54	289
Blue shale	376	665
Rock	2	668
Hard shale	39	707
Rock	1	708
Hard shale	50	758
Hard sandy shale and layers of sand	27	785
Hard shale	35	820
Sand	14	834
Shale	3	837
Sand and streaks of shale	14	851

	Thickness (feet)	Depth (feet)
<u>Well 285--Continued</u>		
Shale and hard layers of sand	125	976
Hard shale	4	980
Limestone	3	983
Broken limestone and shale	19	1002
Limestone	1	1003
Hard shale and streaks of limestone	133	1136
Limestone	8	1144
Hard shale and streaks of limestone	28	1172
Limestone	9	1181
Hard shale and limestone	143	1324
Limestone	5	1329
Hard shale and limestone	77	1406
Limestone	15	1421
Hard shale and layers of limestone	124	1545
Shale	7	1552
Sandy shale	4	1556
Shale and layers of limestone	40	1596
Shale	3	1599
Sandy shale	2	1601
Sand	28	1629
Sandy shale	7	1636
Shale and layers of limestone	14	1650
Shale	2	1652
Sand	4	1656
Shale and streaks of limestone	35	1691
Shale and layers of fine-grained sandstone	42	1733
Limestone	7	1740
Sandy shale	4	1744
Hard shale and limestone	5	1749
Sand	4	1753
Hard lime and layers of shale and sand	20	1773
Limestone	13	1786
Lime and hard layers of shale	47	1833
Limestone	15	1848
Lime and layers of hard shale	41	1889
Hard shale and layers of limestone	20	1909
Hard limestone	4	1913
Hard shale and layers of limestone	49	1962
Limestone	12	1974

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Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 285--Continued</u>		
Sandy limestone and shale	33	2012
Sandy limestone	22	2034
Shale and streaks of limestone	27	2061
Sandy limestone and shale	15	2096
Hard shale and limestone	107	2263
Hard shale	10	2293
Sandy shale and layers of sandstone	17	2310
Hard sand and layers of hard shale	24	2334
Sand	8	2342
Hard shale and limestone	5	2347
Shale and layers of sand	14	2361
Sand	22	2383
Tough shale	3	2386
Hard shale	4	2390
Hard shale and limestone	6	2396
Hard shale and layers of hard sand	17	2413
Hard shale	3	2416
Sand	10	2426
Hard shale	7	2433
Hard shale and streaks of limestone	25	2458
Sand	5	2463
Sand and layers of hard shale	9	2472
Shale and layers of sand	23	2495
Hard shale and layers of sandstone	15	2510
Red beds	10	2520
Sand and layers of hard red shale	27	2547
Hard sand and layers of rock	12	2559
Hard red shale	13	2577
Hard shale and layers of sand	15	2592
Hard sandy shale	6	2598
Hard red shale	9	2607
Soft sandy shale	10	2617
Shale	4	2621
Soft sand	6	2627
Shale and layers of hard sand	15	2642
Red shale and layers of sandy shale	15	2657
Hard sand	9	2666
Hard shale	8	2674
Loose sand	4	2678
Sand	60	2738
Sand and layers of shale	10	2748
Sand	6	2754

	Thickness (feet)	Depth (feet)
<u>Well 285--Continued</u>		
Hard shale	19	2773
Sand	7	2780
Shale and layers of sand	10	2790
Sand	38	2828
Sand and layers of shale	21	2849
Sand	2	2851
Shale	7	2858
Coarse-grained sand	20	2878
Rock	1	2879
Hard blue and red shale	42	2921

Well 287 10/

City of Dallas n. 37, 5 miles south of Dallas Courthouse.

Surface soil	5	5
White rock	217	222
Shale and shells	459	681
Sand	15	694
Hard sand	14	708
Sand	5	713
Shale	78	791
Sand	32	823
Sand shale	51	874
Sand	56	910
Shale and rocks	85	995
Sand and rocks	5	1000
Hard shale and shells	30	1030
Shale and limestone	94	1124
Broken limestone and marl	31	1155
Limestone	102	1263
Shale	13	1276
Limestone	47	1323
Limestone and marl	30	1355
Limestone	71	1424
Limestone and marl	55	1479
Limestone	95	1574
Limestone and sand	41	1615
Sand	42	1657
Water sand	74	1731
Shale and rock	30	1761
Broken limestone and sand	42	1793
Limestone	64	1847
Gumbo	13	1860
Shale	15	1874
Limestone	12	1886
Sandy limestone	38	1924
Limestone and marl	39	1963
Limestone	18	1981
Limestone and marl	13	1994
Shell rock and sand	43	2037
Limestone	3	2040

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 287 10/</u> --Continued		
Sand	6	2046
Limestone	53	2104
Broken sand and limestone	43	2146
Broken limestone	57	2183
Broken sand and limestone	41	2224
Broken sand and shale	22	2246
Sandy limestone and sand	36	2282
Limestone	15	2297
Sandy limestone, sand and marl	39	2336
Shell and sand	53	2389
Sandy limestone and shell	35	2424
Sandy limestone, sand and marl	49	2472
Red beds	3	2480
Shale	2	2482
Sandy limestone	9	2491
marl	4	2495
Shale and rock	6	2501
Sandy limestone	12	2513
Sand	45	2556
Sand and red beds	32	2588
Red beds	12	2606
Sand	10	2616
Broken sand and red beds	55	2671
Sand	163	2834
Broken sand and red beds	24	2918
Shale	3	2921
Hard rock	1	2922
<u>10/ Dallas Petroleum Geologists, op. cit., pp. 117-118.</u>		

<u>Well 288</u>		
A. A. and J. M. Heibel, 6 ¹ / ₂ miles southwest of Dallas Courthouse.		
White rock	17	17
Blue rock	111	128
Chalk	52	180
Gray shale	360	540
Brown shale	91	631
Water sand	12	643
Gray shale	2	645
Water sand	15	660
Gray shale	1	661

<u>Well 289</u>		
F. T. Bartlett, 7 miles southwest of Dallas Courthouse.		
Not given	172	172
Blue shale	381	553
Caving material	60	613

	Thickness (feet)	Depth (feet)
<u>Well 288--Continued</u>		
Blue sand (some water) and clay	12	675
Hard rock	30	655
Sand and shale	30	685

<u>Well 290</u>		
Leslie Brown, 7 miles southwest of Dallas Courthouse.		
Soft yellow rock	25	25
White rock	123	148
Gray shale	450	598
Sandy shale	12	611
Gray limestone	7	617
Sandy shale	6	624
Water sand	8	632
Sandy shale and limestone	22	654
Water sand	26	680

<u>Well 291</u>		
Magnolia Petroleum Co., 8 miles southwest of Dallas Courthouse.		
Surface soil	1	1
Clay	3	4
White rock	101	105
Blue shale	101	206
Rock	1	207
Blue shale	238	445
Brown shale	97	542
Hard sand rock	3	545
Sand	12	557
Rock	1	558
Sand	5	563
Dark shale	20	583
Gray sandy shale	9	592
Water sand	23	620
Sandy shale	11	631
Gray shale	29	660
Water sand	99	759
Sand rock	2	761
Dark shale	4	765
Hard sandy limestone	6	771
Shale	3	774
Hard rock	1	775
Dirty sand	9	784
Shale	7	791
Sandy limestone	5	796
Shale	47	843
Water sand	6	849
Sandy limestone	4	853
Shale	28	881

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 292</u>		
Consumers Ice Co., 3 $\frac{1}{2}$ miles southwest of Dallas Courthouse.		
Soil and clay	5	5
White rock	265	263
Blue shale	24	292
Hard rock	1	293
Blue shale	329	622
Water sand	15	637
Alternate layers of blue and gray shale; a few layers of sand rock 3 to 10 inches thick	168	805
Hard rock	1	806
White and red marl	13	819
Water sand	38	857

	Thickness (feet)	Depth (feet)
<u>Well 294</u>		
City of Dallas n. 38, 3 $\frac{1}{2}$ miles southwest of Dallas Courthouse.		
Surface soil	14	14
Blue shale	113	127
Shale and shell rock	49	175
Shale	340	515
Sand	24	539
Shale and shell rock	121	660
Broken limest. ne	5	665
Sand	40	705
Shale	55	760
Sandst ne	15	775
Broken sandst ne	35	810
Shale and lime shell	99	909
Limest. ne	45	954
Shale	29	983
Limest ne	436	1419
Broken limest. ne and sand	37	1456
Sand	16	1472
Gumb. and clay	19	1491
Sand	10	1501
Gumb. and clay	2	1503
Sand	2	1531
Broken sandst. ne	18	1549
Sand	26	1575
Shale and limest. ne	23	1598
Limestone and sand	35	1633
Shale	3	1636
Limestone and sand	55	1691
Limestone and shale	33	1724
Limestone	86	1810
Limestone and shale	70	1880
Shell rocks and sand	85	1965
Sand and shale	40	2005
Limestone and sand	47	2052

	Thickness (feet)	Depth (feet)
<u>Well 294--Continued</u>		
Limestone and shale	78	2130
Sand	39	2169
Sand and shale	34	2203
Gumbo and clay	1	2204
Sand and shale	22	2226
Gumbo, clay and hard sand	12	2238
Sand and shale	46	2284
Red beds	8	2292
Shale and limestone and red beds	4	2296
Red beds	18	2314
Sand	34	2348
Red beds	14	2362
Sand	159	2521
Broken sandst ne	5	2526
Broken sand and shell rocks	50	2576
Shale and lime shells	58	2634

	Thickness (feet)	Depth (feet)
<u>Well 295</u>		
City of Dallas n. 36, 4 $\frac{1}{2}$ miles southwest of Dallas Courthouse.		
Surface material	8	8
White rock	7	15
Shale	120	135
Shale and rock	63	198
Shale	258	456
Shale and hard rock	47	503
Sand	5	508
Sand and hard rock	4	512
Hard sand rock	2	514
Sand and shale	50	564
Shale	19	583
Sand rock	5	588
Shale	12	606
No record	14	620
Sand and shale	82	702
Sand	33	735
Shale	185	920
Lime	31	951
Shelly lime	47	998
Lime	13	1011
Shale	6	1017
Lime	6	1023
Lime and shale	66	1089
Lime rock	36	1125
Lime	109	1234
Gumbo	4	1238
Lime	149	1387
Shale	4	1391
Sand	57	1448

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 295--Continued</u>		
Hard sand	19	1467
Soft sand	7	1474
Limestone	59	1533
Lime	10	1543
Muck	5	1548
Shale and lime	19	1567
Lime	137	1704
Hard lime	12	1716
Lime	84	1800
Shell rock	23	1823
Chalk and lime	55	1878
Shale and lime	24	1902
Lime	146	2048
Shale and lime	27	2075
Red beds and lime	8	2083
Hard sand rock	34	2117
Lime	4	2121
Sand	34	2155
Lime	54	2209
Red beds and rock	17	2226
Red beds and boulders	11	2237
Red beds	40	2277
Red beds and sand	16	2293
Red beds	13	2306
No record	9	2315
Sand	58	2373
Red beds and sand	27	2400
Lime, sand and red beds	45	2445
Sand	81	2526
Sand and lime	19	2545
Sand and blue shale	55	2600
Sand and red beds	48	2648
No record	4	2652

Well 299

Sisters of Our Lady of Charity, 5 $\frac{1}{2}$ miles southwest of Dallas Courthouse.

Chalk	526	526
Sand	18	544
Shale and cap rock	293	837
Sand	28	865
Limestone and shale	541	1406
Water sand	86	1492

Well 300

Dallas County Fresh Water Dist. no. 1, 6 $\frac{1}{2}$ miles southwest of Dallas Courthouse.

Soil	8	8
Blue shale	352	360
Water sand	23	383

	Thickness (feet)	Depth (feet)
<u>Well 300--Continued</u>		
Blue shale	28	411
Sandy shale	5	416
Brown shale	3	419
Rock	2	421
Brown shale	7	428
Rock	1	429
Water sand	27	456
Blue shale	16	472
Sandy shale	25	497
Brown shale	21	518
Fine-grained sand	7	525
Gray shale	8	533
Gray lime	2	535
Sandy shale	16	551
Blue shale	5	556

Well 303

The Texas Company no. 3, 4 $\frac{1}{2}$ miles west of Dallas Courthouse.

Clay	18	18
Rock	2	20
Shale	373	393
Hard sandstone	1	394
Water sand	16	410
Sandstone and shale	58	468
Shale and rock	166	634
Hard rock	2	636
Sand and shale breaks	39	675
Shale	95	770
Limestone	53	823
Shale	32	855
Limestone	13	868
Shale	7	875
Limestone	15	890
Shale	16	906
Broken limestone and shale	58	964
Limestone	137	1101
Shale and limestone	44	1145
Limestone	89	1234
Sandstone	4	1238
Shale	5	1243
Hard sandstone	27	1270
Sand	139	1409
Shale and sand	19	1428
Rock and gumbo	24	1452
Limestone	53	1505
Limestone and gumbo	71	1576
Limestone	128	1704
Soft honeycombed limestone	22	1726
Lime and gumbo	40	1766
Sandy lime and shale	16	1732

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (Feet)	Depth (feet)
<u>Well 303--Continued</u>		
Lime and shale streaks	182	1964
Sand	13	1982
Sand and shale	45	2027
Hard lime and shale	10	2037
Red rock and shale	160	2197
Hard sandstone	3	2200
Sand and red rock	83	2283
Sand	52	2335
Red rock	10	2345
Sand	103	2453
Sand and red rock	16	2469
Red rock	16	2485

Well 306

The Texas Co., no. 2, 4 miles west of Dallas Courthouse.		
Soil	10	10
Clay	50	60
Gravel	3	69
Hard blue shale	96	165
Gumbo	37	202
Rock	184	386
Gumbo	2	394
Rock	39	433
Hard shale	3	436
Hard sand	10	446
Gumbo	8	454
Rock	6	460
Gumbo	3	463
Sandstone, some water	25	493
Gumbo	106	599
Red sandstone	7	606
Chalk rock	64	670
Gumbo	31	701
Rock	4	705
Gumbo	40	745
Chalk rock	58	803
Gumbo	31	834
Rock	12	846
Gumbo and boulders	57	903
Gumbo	59	942
Gumbo and boulders	52	994
Limestone	41	1035
Gumbo and boulders	20	1055
Limestone	35	1090
Gumbo and rock	32	1122
Limestone	17	1139
Gumbo	1	1140
Limestone	23	1163
Gumbo	4	1167
Limestone and boulders	18	1185
Gumbo	21	1206

	Thickness (feet)	Depth (feet)
<u>Well 306--Continued</u>		
Limestone	18	1224
Water sand	88	1312
Sand, gravel and shale	19	1330
Coarse-grained white sand and boulders	68	1398
Crystallized sand	18	1416
Hard gumbo	2	1424
Limestone	8	1432
Limestone and hard shale	176	1608
Shale, some water	22	1630
Limestone	60	1690
Soft sandy shale, flow of mineralized water	22	1712
Limestone	28	1740
Gumbo and large boulders	55	1795
Hard shale and limestone	55	1850
Limestone and streaks of gumbo	110	1960
White limestone	5	1965
Water sand	25	1990
Sand rock	20	2010
Limestone and sand	30	2040
Boulders and shale	40	2080
Limestone	18	2098
Hard red gumbo	42	2140
Limestone and gumbo	20	2160
Sand and red shale	50	2210
Sand and streaks of gumbo	55	2265
White sand	25	2290
Sand and streaks of shale	14	2304
Coarse-grained sand	67	2371
Rock	2	2373

Well 308

Texas Railway Equipment Co., 3 miles west of Dallas Courthouse		
Soil	6	6
Small gravel and sand	10	16
Clay	8	24
Shale and thin rocks	309	333
Gumbo and hard shale	47	380
Broken sand	41	421
Scapstone and thin sand rocks	74	495
Sand mixed with scapstone	55	550
Soft sandstone	35	585
Good sand	44	629

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 309</u>		
Lone Star Cement Corp., no. 4, 3 miles west of Dallas Courthouse.		
Gravel	43	43
Shale	332	375
Broken sand	106	481
Shale	77	558
Sand	46	604
Shale, shell rocks, soapstone and red beds	225	829
Lime	494	1323
Sand	87	1410
Shale and sand rocks	89	1499
Lime	497	1996
Sand	91	2087
Lime and red beds	140	2227
Sand	289	2516

	Thickness (feet)	Depth (feet)
<u>Well 313</u>		
Charles Reasnover, 2 $\frac{1}{2}$ miles southwest of Dallas Courthouse.		
Shale and ledges of rock	535	535
Sand	5	538
Sandy shale	10	548
Water sand	32	580
Hard shale	5	585

	Thickness (feet)	Depth (feet)
<u>Well 314</u>		
Master Petroleum Co., no. 2, 2 miles west of Dallas Courthouse.		
Surface soil and gravel	24	24
Shale, gumbo and shell rocks	401	425
Broken sand	92	517
Soapstone, shale, and streaks of hard sand rocks	78	595
Good water sand	15	610
Broken shale and sand	53	663
Good water sand	54	717
Shale	5	722

	Thickness (feet)	Depth (feet)
<u>Well 315</u>		
Dr. John Kelly, 1 $\frac{1}{2}$ miles west of Dallas Courthouse.		
Sand and shale	460	460
Water sand	18	478
Shale	42	520
Water sand	17	537
Shale	70	616
Water sand	11	627

	Thickness (feet)	Depth (feet)
<u>Well 315--Continued</u>		
Shale	20	647
Water sand	8	655
Shale	121	776
Hard lime	2	778
Shale and sandy shale	167	945

	Thickness (feet)	Depth (feet)
<u>Well 319</u>		
City of Dallas no. 14, 1 $\frac{1}{2}$ miles north-west of Dallas Courthouse.		
Surface material	10	10
Shale	190	200
Hard pan	10	210
Shale	40	250
Hard pan	3	253
Shale	150	403
Hard pan	6	414
Shale	12	426
Rock	1	427
Shale	28	455
Rock	2	457
Shale	13	475
Shale and soapstone	12	487
Sand rock	5	492
Water sand	20	512
Shale	60	572
Rock	3	575
Shale	30	605
Hard pan	7	612
Fine-grained shale and soapstone	60	672
Hard pan	64	736
Fine-grained shale, soapstone and sand	36	772
Sand	28	800

	Thickness (feet)	Depth (feet)
<u>Well 320</u>		
City of Dallas no. 12, 1 $\frac{1}{2}$ miles north-west of Dallas Courthouse.		
Black soil	10	10
White rock	20	30
Blue soapstone	23	53
Hard sand rock	1	54
Soapstone	19	73
Hard sand rock	1	74
Hard blue shale	51	125
Hard sandstone	1	126
Hard blue shale	33	159
Hard rock	1	160
Hard blue shale	60	220
Cave or hole	5	225

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 320--Continued</u>		
Shale and hard gumbo	250	440
Boulders	5	423
Water sand	25	508
Hard flint rock	2	510
Blue gumbo	30	540
White rock and boulders	100	640
Red gumbo	10	650
White lime rock	15	665
Red gumbo or shale	10	675
White lime rock	20	695
Water sand	12	713
White rock	25	738
Blue shale or marl	12	750
White lime rock	10	760
Red gumbo	20	780
White lime rock and boulders	6	786
Soft red shale	5	791
Water sand	12	803
White lime rock	2	805
Scapstone	13	818
White lime rock	4	822
Dark colored shale	40	862
Scapstone	30	892
White rock and boulders	8	900
Scapstone	25	925
White rock and boulders	40	965
Scapstone	10	975
White lime rock	20	995
Gumbo	15	1010
White lime rock	14	1024
Dark brown shale	10	1034
White lime rock	6	1040
Gumbo and boulders	60	1100
White lime rock	10	1110
Hard shale and boulders	75	1185
White lime rock	3	1194
Gumbo, shale and boulders	116	1310
Blue lime rock	100	1410
Hard sand rock	10	1420
Hard water sand	160	1580
Hard shale	40	1620
Shale, gumbo and lime rock	200	1820
Boulders	72	1898
Soft sand, mineral water	25	1923
Hard and soft lime rock	37	1960
Fine-grained water sand	35	2195
Sand rock	10	2305
White lime rock	10	2235
Dark shale and boulders	45	2280
Red gumbo	25	2305
Blue lime rock	10	2315
Dark red shale	60	2375

	Thickness (feet)	Depth (feet)
<u>Well 320--Continued</u>		
Blue gumbo	15	2390
White lime rock	10	2400
Water sand	178	2578

<u>Well 321</u>		
City of Dallas, "Gill" well, $1\frac{1}{2}$ miles northwest of Dallas Courthouse.		
Alluvial material	100	100
Sift limestone and shale	680	780
Sand, water mineralized	15	795
Blue shale	215	1010
Layers of hard and soft limestone	490	1500
Water sand	89	1589
Caving material	301	1890
Sand, water mineralized	20	1910
White limestone	15	1925
Blue shale and hard limestone streaks	255	2180
Sandstone, mineralized water	30	2210
Rock and blue shale	50	2260
Fine-grained pink sandstone and streaks of hard clay	140	2400
Water sand	185	2585

<u>Well 324</u>		
Dallas Power and Light Co., no. 2, $\frac{1}{2}$ mile northwest of Dallas Courthouse.		
Shale, gumbo and thin layers of rock	490	490
Water sand	68	558
Shale, gumbo and thin layers of rock	160	718
Not given	182	900
Lime	500	1400
Not given	46	1446
Water sand and layers of scapstone	177	1623

<u>Well 325</u>		
Liquid Carbonic Co., $\frac{1}{2}$ mile north of Dallas Courthouse.		
Soil and clay	18	18
White rock	62	80
Blue shale and some hard rocks	460	540
Hard sandstone, water	25	565
Red and blue shale and several hard rocks	101	666
Shale and sand	20	686
(Continued on next page)		

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 325--Continued</u>		
Sand, water	56	742
<u>Well 326</u>		
Brown Cracker and Candy C., $\frac{1}{2}$ mile north of Dallas Courthouse.		
Clay	14	14
White and yellow sand	4	18
White rock	37	55
Blue rock	13	68
Shale	22	90
Flint rock	2	92
Shale	12	104
Rock	2	106
Shale	104	210
Rock	4	214
Shale	121	335
Gumbo	20	355
Shale	175	530
Rock	4	534
Hard pan	6	540
Hard shale and sand	20	560
Scapstone	5	565
Hard pan	5	570
Sand rock	2	572
Sand	13	585
Scapstone	5	590
Sandstone	1	591
Sand	5	596
Scapstone	4	600
Rock	2	602
Scapstone	4	606
Gumbo	9	615
Sand rock	5	620
Hard shale	10	630
Hard pan	5	635
Flint rock	3	638
Hard pan	4	642
Scapstone	8	650
Hard shale	8	658
Red gumbo	12	670
Soft scapstone	10	680
Hard pan	5	685
Sand rock	2	687
Scapstone	3	690
Sand rock	1	691
Sand	49	740

	Thickness (feet)	Depth (feet)
<u>Well 327</u>		
Coca-Cola Bottling Co., $\frac{1}{4}$ mile northeast of Dallas Courthouse.		
Yellow surface sand	24	24
White rock	20	44
Shale	60	104
Rock	1	105
Shale	40	145
Rock	1	146
Gumbo	59	205
Rock	2	207
Gumbo	64	271
Rock	1	272
Shale	20	292
Rock	1	293
Shale	50	403
Rock	1	404
Shale and sand	10	414
Rock	1	415
Shale	40	455
Rock	1	456
Hard pan	19	475
Sand rock	3	478
Water sand	28	506
Hard shale	12	518
Rock	6	524
Shale	20	544
Rock	8	552
Mixed gravel and shale	10	562
Rock	4	566
Gravel and shale	18	584
Scapstone	8	592
Sand rock	5	597
Not recorded	123	720
Water sand	21	741
<u>Well 328</u>		
Dallas County, $\frac{1}{2}$ mile north of Dallas Courthouse.		
Surface material	31	31
Shale, gumbo and shell rocks	522	553
Sand	40	593
Broken sand, shale and gumbo	134	727
Sand	45	772
Sandy shale, broken sand and lime rock	199	971

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well 328--Continued</u>			<u>Well 330 ^{11/}--Continued</u>		
Hard lime rock	126	1097	Water sand	16	860
Hard lime and shale	75	1172	Red, blue and gray plastic shales	110	970
Hard lime rock	253	1425	Lime rock	20	990
Lime and shale	45	1470	Lime rock and blue shale layers	13	1003
Broken sand	167	1637	Lime rock	24	1027
<u>Well 329</u>			Pink plastic shales	25	1052
Sanger Bros., $\frac{1}{4}$ mile n rtheast of Dallas Courth. use.			Lime rock	17	1069
Surface sand	22	22	Light blue shale	4	1073
White rock	42	64	Lime rock	18	1091
Gumbo	20	84	Light blue shale lime rock and sulphur balls	29	1120
Shale	60	144	Lime rock	19	1139
Rock	1	145	Lime rock and marl	43	1182
Shale	55	200	Lime rock	4	1186
Rock	1	201	Lime rock and sulphur balls	6	1192
Shale	100	301	Soft lime rock	1	1193
Rock	1	302	Lime rock	1	1194
Shale	80	382	Hard lime rock	7	1201
Rock	2	384	Lime rock and marl	12	1213
Mixed shale and scapstone	196	580	Hard lime rock	4	1217
Sand rock	2	582	Lime rock and marl	18	1235
Water sand	28	610	Hard lime rock	7	1242
Shale	40	650	Light blue marl	5	1247
Rock	1	651	Lime rock and pyrites	14	1261
Shale and sand	13	664	Hard lime rock	3	1264
Shale	26	690	Hard lime rock and pyrites	10	1274
Rock	1	691	Hard lime rock	15	1289
Mustard seed shale and sand	17	708	Tough and soft lime rock	6	1295
Sand rock	2	710	Hard lime rock and sulphur	14	1309
Water sand	41	751	Light blue marl	1	1310
<u>Well 330 ^{11/}</u>			Hard lime rock	10	1320
Union Terminal Co., $\frac{1}{4}$ mile south of Dallas Courth. use.			Light to dark blue marl	4	1324
Soil, clay and sand	10	10	Sand rock and blue marl	7	1331
White rock	95	95	Dark blue marl and lime rock	12	1343
Blue shale with a few thin sand rocks and sulphur balls	470	565	Blue marl	11	1354
Sand rock	10	575	Hard lime rock	24	1378
Water sand	15	590	Hard and tough lime rock	20	1393
Hard sand rock	1	591	Streaks of sand, shale and rock	12	1410
Water sand	5	596	Streaks of hard tough lime rock	15	1425
Water sand, red and blue marl	10	606	Light gray shale	7	1432
Blue shale and sand rocks	21	630	Tough lime rock	3	1435
Water sand	35	665	Streaks of hard tough lime rock	13	1448
Red, blue to gray shale and sand rock	179	844	Gray sandy shale	5	1453
			Hard fine-grained water sand	12	1465
			Hard water sand and shale	13	1478

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 330 11/-- Continued</u>		
Water sand, hard sand rock	.	1481
Hard sand rock, water rock	1	1482
Hard, sharp sand rock	4	1486
Hard, close water sand	9	1495
Soft water sand	4	1499
White marl and sand rock	16	1515
Light blue marl	8	1523
Light-colored water sand	2	1525
Hard water sand	18	1543
Mixed marls and sand	9	1552
Streaks of sand rock and marl, hard water sand	3	1560
Hard water sand	3	1563
Blue marl	2	1565
Hard water sand	45	1610
Sand rock and blue marl	7	1617
Hard water sand	10	1627
Medium hard water sand	5	1632
Hard water sand	18	1650
Hard sandy lime rock	7	1657
Sandy shale	4	1661
Hard sandy lime rock	19	1680
Hard sandy lime rock, light blue shale	3	1683
Hard, sandy lime rock and blue shale	1	1684
Lime rock with shale and marl	6	1690
Hard sand and lime rock	20	1710
Hard lime rock, thin layers of marl	18	1728
Hard, gritty blue and gray shale	4	1732
Lime rock and marl	28	1760
Layers of hard sand rock	6	1766
Hard sand rock, white water sand	17	1779
Layers of lime rock and marl	12	1791
Light blue marl	10	1801
Thin layers of marl and lime rock	4	1805
Hard lime rock	3	1808
Shelly lime rock, shelly shale	12	1826
Hard lime rock	3	1829
Shelly lime rock	20	1859
White marl	5	1864
Lime rock	1	1865
Shell and shale	16	1881
Lime rock	25	1906
Hard lime rock	24	1930

	Thickness (feet)	Depth (feet)
<u>Well 330 11/-- Continued</u>		
Lime rock	10	1940
Hard lime rock	14	1954
Porous lime rock and sand	21	1975
Hard lime rock	19	1994
Shale	2	1996
Hard lime rock	112	2108
Sand rock	5	2113
Sandy lime rock	16	2129
Sand and lime rock	3	2132
Lime rock	3	2135
Hard, white lime rock	38	2173
Blue sandy lime rock	1	2174
Hard lime rock	11	2185
Hard sand rock	11	2196
Sand rock	21	2217
Sand and shale	47	2264
Hard sand rock	44	2308
Sand and shale	12	2320
Sand and red, green, and pink marl	9	2329
Sand	9	2338
Sandy marl	1	2339
Hard sand rock t. red marl	13	2352
Blue marl and sand rock	5	2357
Hard sand rock	2	2359
Sand rock	25	2384
Sand rock and white marl	14	2398
Sand rock	4	2402
Red marl and sand rock	5	2407
Red marl and sand	16	2423
Red marl and sand rock	18	2441
Marl and sand	15	2456
Hard sand	5	2461
Sand, gravel and marl	16	2477
Sand and marl	12	2489
Sand and marl	5	2494
Sand	127	2621
Hard sand	4	2625
Hard sand rock	1	2626
Hard water sand	4	2630
Hard sand rock	1	2631
Sand	21	2652
Hard sand	23	2675

11/ Dallas Petroleum Geologists,
Geology of Dallas County, Texas, pp.
123-125, Dec. 1941.

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 332</u>		
Republic National Bank, $\frac{1}{2}$ mile north-east of Dallas Courthouse.		
Surface material	16	16
White rock	188	204
Broken shale	368	572
Sand	33	605
Broken shale, sand and lime	146	751
Sand	45	796

	Thickness (feet)	Depth (feet)
<u>Well 333</u>		
First National Bank, $\frac{1}{2}$ mile northeast of Dallas Courthouse.		
Clay	7	7
White rock	110	117
Layers of white rock and shale	45	162
Blue shale with few hard rocks	435	597
Sand rock and water sand	30	627
Rock and blue and gray shale in layers	115	742
Water sand	42	784
Layers of blue and gray shale	96	880
Water sand and white marl	22	902
Light blue shale with soft sand rock	127	1029
White lime rock with few thin streaks of shale	375	1404
Gritty lime rock	10	1414
White lime rock with few thin streaks of shale	90	1504
Gritty lime rock mixed with sand	10	1514
Sand, which was mixed with little streaks of dirty sand and gray sand rock	157	1671

	Thickness (feet)	Depth (feet)
<u>Well 334</u>		
Adolphus Hotel, $\frac{1}{2}$ mile northeast of Dallas Courthouse.		
Surface material	10	10
White rock and brown shale	573	583
Sand	65	648
Brown shale and limestone	90	747
Sand	37	784
Shale and soapstone	215	999

	Thickness (feet)	Depth (feet)
<u>Well 334--Continued</u>		
Brown limestone	513	1512
Sand	139	1651
Brown sand	9	1660

	Thickness (feet)	Depth (feet)
<u>Well 335</u>		
Adolphus Hotel, $\frac{1}{2}$ mile northeast of Dallas Courthouse.		
Sand and gravel	14	14
White rock	68	82
Gumbo	40	122
Rock	1	123
Shale	59	182
Rock	1	183
Shale	40	223
Rock	1	224
Shale	60	284
Rock	2	286
Gumbo	20	306
Shale	10	316
Rock	1	317
Shale	275	592
Sand rock	2	594
Water sand	16	610
Hard sand rock	2	612
Water sand	14	626
Fine-grained sand and shale	20	646
Shale	12	658
Rock	1	659
Shale	7	666
Rock	1	667
Mixed red marl and shale	6	673
Rock	1	674
Sand and mustard seed shale	20	694
Rock	2	696
Hard pack sand	15	711
Rock	1	712
Mixed sand and shale	20	732
Rock	1	733
Red marl and mustard seed shale	10	743
Rock	1	744
Mixed shale and sand	22	766
Sand	37	803

	Thickness (feet)	Depth (feet)
<u>Well 336</u>		
Baker Hotel, $\frac{1}{2}$ mile east of Dallas Courthouse.		
Surface to basement of Hotel	20	20

(Continued on next page)

Table of Drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 336--Continued</u>		
White rock	119	139
Shale, gumb. and thin rocks	451	590
Broken sand	15	602
Hard rock	1	603
Water sand	25	628
Soapstone, gumbc and thin sand rocks	120	748
Hard rock	1	749
Water sand	55	804
Shale	2	806

<u>Well 337</u>		
Southwestern Bell Telephone Co., 1/2 mile east of Dallas Courthouse.		
Surface to basement	56	36
White rock	88	124
Shale, gumbc and thin rocks	440	564
Rock	2	566
Shale	25	591
Hard sand	25	616
Hard rock	1	617
Hard sand	56	673
Lime, hard sand rock and soapstone	95	768
Hard shell rock	1	769
Coarse-grained sand	73	842

<u>Well 338</u>		
Southland Life Insurance Co., 1/2 mile east of Dallas Courthouse.		
Clay and sand	20	20
White and blue rock	145	165
Shale and hard thin rocks	435	650
Sandstone	8	658
Hard rock and 6 feet of pyrites and gumbc	27	685
Gumbo	15	700
Hard stone mixed with pyrites	64	764
Water sand	50	814
Soapstone	1	815

<u>Well 339 12/</u>		
Magnolia Petroleum Co., nc. 1, 1/2 mile northeast of Dallas Courthouse.		
Surface material	8	8
Chalk rock	83	91
Gumbo	31	122

	Thickness (feet)	Depth (feet)
<u>Well 339 12/ --Continued</u>		
Sand	6	128
Gumbo	38	166
Shale	89	255
Lime rock	6	261
Gumbo	119	380
Shale	213	593
Mixed sand and lime	14	607
Shale	15	622
Sand rock	7	629
Shale, sand and shells	73	702
Mixed sand and lime	15	717
Shale, sand, shells	44	761
Sand	54	815
Gumbo and shale	40	864
Shale, sand and shells	56	920
Gumbo	120	1040
Lime rock	114	1154
Shale	26	1180
Lime rock	140	1320
Gumbo	22	1342
Lime	124	1476
Shale	12	1488
Lime rock	14	1502
Gumbo	9	1511
Sand rock	5	1516
Sand	14	1530
Shale	8	1538
Sand	48	1586
Gumbo	8	1594
Sand	38	1632
Shale	5	1637
Sand and lime	31	1668
12/ Dallas Petroleum Geologists, Co. cit., p. 119.		

<u>Well 340</u>		
Southwestern Life Insurance Co., 1/2 mile northeast of Dallas Courthouse.		
Surface soil and coarse- grained sand	14	14
White rock	71	35
Soft shale and thin hard rocks	505	590
Water sand	22	612
Hard shale mixed with sand and soapstone	83	695
Gumbo	40	735
Hard sand and soapstone	41	776
Water sand	38	814
Hard sand and soapstone	60	874
Water sand	47	921
Gumbo	22	943

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 340--Continued</u>		
Hard rock and pyrites of iron	7	950
Hard shale	20	970
Hard sand rock	5	975
Hard gray shale	20	995
Hard gumbo	19	1014
Lime	74	1088
Shale	20	1118
Lim stone	22	1140
Shale	35	1175
Gumbo	12	1188
Limestone	15	1203
Gumbo	7	1210
Limestone	35	1245
Hard shale	5	1250
Hard limestone	105	1355
Gumbo	30	1385
Limestone	40	1425
Shale	28	1453
Limestone	62	1515
Gumbo	5	1520
Hard sand	20	1550
Faulty sand	5	1555
Water sand	63	1618

Well 341

Busch Building, $\frac{1}{2}$ mile northeast of Dallas Courthouse.		
White rock	91	91
Soft blue shale	19	110
Soft rock	2	112
Soft gummy shale	7	119
Hard rock	1	120
Hard shale and hard pack sand	16	136
Hard rock	1	137
Soft shale and thin hard rocks	423	360
Brown shale	14	574
Hard sand rock	6	580
Sand	2	582
Red gummy hard pack sand	3	585
Scapstone mixed with fine- grained sand	50	615
Water sand	8	623
Gray shale and thin layers of sand rock	10	633
Alternate layers of white marl and red gumbo	40	673
Sand rock	2	675
Alternate layers of white marl and red gumbo	56	731

	Thickness (feet)	Depth (feet)
<u>Well 341--Continued</u>		
Gray shale	12	743
Water sand	7	746
Coarse-grained white water sand	45	791

Well 342

Dallas National Bank Building, $\frac{1}{2}$ mile northeast of Dallas Courthouse.		
Surface to basement	30	30
White rock	65	95
Shale	377	472
Gumbo	20	492
Shell rock	1	493
Shale	25	513
Gumbo	44	562
Shale	50	612
Gumbo	10	622
Sand	6	628
Sand rock	3	631
Broken sand	36	667
Sand rock	2	669
Sand	3	672
Gumbo	5	677
Sandy shale	14	691
Lime rock	2	693
Broken sand	10	703
Broken lime rock	3	706
Broken sand	12	718
Sandy shale	30	743
Hard sand	4	752
Broken sand	10	762
Hard sand	3	765
Sand	45	808

Well 343

Praetorian Building, $\frac{1}{2}$ mile northeast of Dallas Courthouse.		
Surface clay and coarse- grained sand	14	14
White rock	71	85
Soft shale and thin hard rocks	505	590
Water sand	22	612
Hard shale mixed with sand and scapstone	93	695
Gumbo	40	735
Hard sand and scapstone	41	776
Water sand	33	814
Hard sand and scapstone	60	874
Water sand	47	921
Gumbo	22	943

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 343--Continued</u>		
Hard rocks and pyrites of iron	7	950
Hard shale	20	970
Hard sand rock	3	975
Hard gray shale	20	995
Hard shale	19	1014
Limestone	74	1088
Shale	30	1118
Limestone	22	1140
Shale	35	1175
Gumbo	13	1188
Limestone	15	1203
Gumbo	7	1210
Limestone	35	1245
Hard shale	5	1250
Hard limestone	105	1355
Gumbo	30	1385
Limestone	40	1425
Hard shale	26	1453
Limestone	62	1515
Gumbo	5	1520
Hard sand	30	1550
Fruity sand	5	1555
Good water sand	63	1618

Well 344

Allen Building, $\frac{1}{2}$ mile east of Dallas Courthouse.		
White rock	88	88
Shale and gumbo	523	611
Broken sand	45	656
Lime rock	6	662
Sand and shale	59	721
Sand rock	9	730
Gumbo	35	765
Hard sand rock	1	766
Sand	46	812
All measurements from basement floor.		

Well 345

Y. W. C. A., $\frac{3}{4}$ mile east of Dallas Courthouse.		
Surface material	14	14
White rock	171	185
Gumbo	20	205
Shale	55	260
Rock and gumbo	25	285
Sand rock	45	330
Gumbo	10	340
Shale	160	500
Lime rock	5	505

	Thickness (feet)	Depth (feet)
<u>Well 345--Continued</u>		
Hard shale	35	540
Gumbo and hard thin rocks	60	600
Sand rock	50	650
Sand	3	653
Soapstone	4	657
Sand	5	662
Gumbo	18	680
Sand rock	3	683
Sand	7	690
Broken sand	10	700
Shale	35	735
Lime rock	5	740
Gumbo and shale	10	750
Shale and soapstone	25	775
Gumbo	7	782
Broken sand	6	788
Sand rock	3	791
Water sand	23	814

Well 346

Butler Bros., $\frac{1}{2}$ mile east of Dallas Courthouse.		
Soil	7	7
Light-colored clay	20	27
Sand and gravel	9	36
Sandstone	1	37
Hard sandstone	3	40
Soapstone and gumbo	5	45
Shale and boulders	555	600
Shale and streaks of gumbo	40	640
Sandstone	6	646
Sand	12	658
Sandstone	2	660
Hard pack sand	135	795
Sandstone	3	798
Sand	37	835
Shale and soapstone	9	844
Sandstone	2	846
Hard sand	56	902
Shale and soapstone	10	912
Sandstone	2	914
Gumbo	6	920
Limestone	13	933
Soapstone and shale	8	941
Sand	8	949
Sandstone	4	953
Shale	15	968
Hard rock	5	973
Limestone	197	1170
Limestone with soft streaks	250	1420

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 346--Continued</u>		
Hard limestone	50	1470
Limestone and streaks of shale	63	1533
Soapstone	6	1539
Sandstone	1	1540
Hard sand	17	1557
Faulty sand	15	1572
Coarse-grained sand	39	1611
Faulty sand	7	1618
Coarse-grained sand	37	1655
Soapstone and shale	5	1660

Well 348

Medical Arts Building, $\frac{2}{3}$ mile northeast
of Dallas Courthouse.

Surface to basement	9	9
White rock	92	101
Shale, gumb. and thin rocks	523	624
Sand	20	644
Gumbo	10	654
Sand	19	673
Sand rock and gumbo	107	780
Good sand	38	818
Base rock	1	819
Soapstone	9	828

Well 349

August A. Busch and Co., $\frac{1}{2}$ mile north-
east of Dallas Courthouse.

Surface material	20	20
Gravel	10	30
White rock	65	95
Mixed shale and gumbo	40	135
Shale	45	180
Rock	1	181
Shale	59	220
Rock	1	221
Shale	129	350
Rock	2	352
Shale	69	420
Rock	1	421
Mixed shale and hard pan	139	560
Rock	2	562
Shale	38	600
Rock	1	601
Shale	24	625
Rock	1	626
Hard pan	9	635
Rock	2	637
Hard pan	3	640

	Thickness (feet)	Depth (feet)
<u>Well 349--Continued</u>		
Rock	1	641
Sand	7	648
Rock	1	649
Water sand	33	687
Rock	1	688
Shale and red gumbo	8	696
Rock	5	699
Hard pan	6	705
Mustard seed shale	15	720
Rock	2	722
Shale and gravel	8	730
Rock	5	735
Sand and gravel	9	744
Rock	2	746
Hard pan	9	755
Rock	1	756
Gravel and red gumbo	9	765
Soapstone and shale	19	784
Rock	2	786
Sand	15	801
Soapstone, gravel and shale	25	826
Rock	2	828
Sand	14	842
Shale, gravel and rock	20	862

Well 351

Ideal Laundry, $1\frac{1}{2}$ miles northeast of
Dallas Courthouse.

Sand and gravel	50	50
White rock	132	172
Blue shale and lime shells	543	715
Sand	12	727
Mixture of shale and hard lime	145	872
Water sand	16	888
Shale and lim. rock	16	904
Water sand	22	926

Well 352

Fishburn Laundry, $1\frac{1}{2}$ miles northeast of
Dallas Courthouse.

Surface material	16	16
Brown water sand	33	49
Blue shale	1	50
Chalk	119	169
Shale	431	600
Gray sandy shale	5	605
Brown shale	10	665
Gray sandy shale	30	695

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 352--Continued</u>		
Water sand	20	715
Pink shale	15	730
Water sand	12	742
Brown shale	12	754
White streaky?	8	762
Water sand	9	771
Brown shale	15	786
Dark gray shale	8	794
Soft brown shale	36	830
Lime rock	4	834
Gray shale	11	845
Hard lime rock	5	850
Fine-grained sand	10	860
Hard lime rock	12	872
Light gray shale	3	875
Red shale	2	877
Gray shale	1	878
Lime rock	7	885
Hard dirty sand	7	892
Water sand	27	919
Red shale	5	924
Gray shale	4	928

Well 353

St. Paul's Hospital, 1½ miles northeast of Dallas Courthouse.		
Black soil	10	10
Yellow clay	15	25
Yellow water sand	10	35
Sand and gravel	15	50
White chalk	122	172
Blue shale	543	715
Sand	10	725
Mixture of sand and ?	75	800
Red shale	54	834
Sand	24	858
Blue shale	4	862
Sand	5	867
Gray shale	3	870
Lime	2	872
Gray shale	5	877
Sandy lime	9	886
Water sand	30	916
Red shale	4	920

Well 354

M. P. Terrill School, 2½ miles northeast of Dallas Courthouse.		
Surface soil	12	12
Loose yellow sand	72	84
White rock	138	220

	Thickness (feet)	Depth (feet)
<u>Well 354--Continued</u>		
Shale and occasional thin hard rocks	480	700
Sand	50	750
Hard gray shale and pack sand	60	810
Sand rock and pyrites	2	812
Hard fine-grained pack sand mixed with shale and soapstone	68	880
Water sand	37	917

Well 355

Buckner's Home Annex, 2½ miles northeast of Dallas Courthouse.		
Surface material	6	6
Yellow sand	36	42
White rock	158	200
Shale	23	223
Rock and shale	24	247
Shale	81	328
Shale	142	470
Rock	1	471
Shale	117	588
Rock	1	589
Shale	17	606
Rock	1	607
Shale	18	625
Gumbo	5	630
Shale	62	692
Hard rock and shale	5	697
Shale	7	704
Soapstone	11	715
Hard rock	1	716
Sand	22	738
Hard rock	11	749
Pyrites and hard rock	41	790
Pyrites and soapstone	19	809
Hard shale	22	831
Mixed sand and soapstone	9	840
Red marl	21	861
Water sand	35	896

Well 357

City of Dallas, Sullivan Park well, 1 mile southeast of Dallas Courthouse.		
Surface material	10	10
Sand and gravel	12	22
Hard white rock	74	96
Soft blue shale	49	145
Hard blue shale	2	147
Soft blue shale	10	157

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 357--Continued</u>		
Hard shell rock	1	158
Soft blue shale	282	440
Soft brown shale	110	550
Blue shale	59	609
White caprock	1	610
White water sand	9	619
Hard blue shale	1	620

<u>Well 358</u>		
F. C. Callier, 2 $\frac{1}{4}$ miles east of Dallas Courthouse.		
Sand	4	4
Red clay	6	10
Sand	38	38
White rock	114	152
Shale	30	182
Rock	1	183
Shale	28	211
Rock	3	214
Shale	101	315
Rock	2	317
Shale	12	329
Rock	1	330
Shale	10	340
Rock	2	342
Shale	49	391
Gumbo	3	394
Shale	60	454
Gumbo	8	462
Shale	58	520
Gumbo	4	524
Rock	2	526
Gumbo	12	538
Shale	10	548
Gumbo	8	556

<u>Well 361</u>		
The Dallas Cotton Mills, 1 $\frac{1}{2}$ miles southeast of Dallas Courthouse.		
Surface material	15	15
White and blue rock	90	105
Shale and gumbo	485	590
Sand	15	605
Shale, sandstone and gumbo	100	705
Hard sand rock	4	709
Water sand	41	750

	Thickness (feet)	Depth (feet)
<u>Well 362 13/</u>		
The Dallas Cotton Mills, 1 $\frac{1}{4}$ miles southeast of Dallas Courthouse.		
Sand and clay	10	10
White limestone	30	90
Blue shale	610	700
Sand, sulphur water	5	705
Sandstone	40	745
White clay	10	755
Sandstone	30	785
Sand	20	805
13/ Hill, R. T., op. cit., p. 603.		

<u>Well 364</u>		
Dallas Coffin Co., 1 mile southeast of Dallas Courthouse.		
Sand	16	16
White rock	90	106
Shale	40	146
Rock	1	147
Shale	30	177
Gumbo	21	198
Shale	60	258
Rock	1	259
Shale	30	289
Gumbo	10	299
Shale	110	409
Gumbo	15	424
Shale	120	544
Gumbo	8	552
Shale	25	577
Rock	1	578
Sand	22	600
Rock	5	605
Shale	30	635
Gumbo	6	641
Mixed sand, shale and soapstone	48	689
Rock	4	693
Sand	44	737

<u>Well 368</u>		
City of Dallas no. 33, 1 $\frac{1}{2}$ miles south of Dallas Courthouse.		
Soil	10	10
Gravel and sand	8	18
White rock	30	48
Blue shale	124	172

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 368--Continued</u>		
Lime rock	113	285
Yellow lime rock	140	425
Blue shale	85	510
Sand rock	20	530
Hard sand rock	2	532
Water sand	35	567
Sand rock and gray marl	14	581
Sand rock and blue shale	14	595
Shale and hard sand	11	606
Water sand	19	625
Hard sand	14	639
White and gray marl	14	653
Sand rock	10	663
White marl	27	690
Hard water sand	15	705
Sand rock	6	711
White and red marl	13	724
Hard sandy lime rock	4	728
Hard sand rock	9	737
Red and gray marl	24	761
Shale and sand rock	16	777
Hard water sand	13	790
Water sand	18	808
Shale and sand rock	14	822
Water sand	8	830
Marl and sand rock	28	858
Blue marl	9	867
Water sand	19	886
Sand rock	11	897
Gray marl	25	922
Light blue shale	30	952
Light blue marl	35	987
White lime	8	995
Lime	107	1102
White lime	114	1216
Lime rock	2	1218
White lime	33	1251
White marl	20	1271
White lime rock	12	1283
White lime	31	1314
Lime	34	1348
Sand rock	7	1355
White lime	2	1357
Lime	10	1367
White lime	88	1455
Hard water sand	9	1464
Sand rock	11	1475
Water sand	11	1486
Hard water sand	10	1496
Sand rock	8	1504
Hard water sand	20	1524
Water sand	36	1560
Hard water sand	14	1574

	Thickness (feet)	Depth (feet)
<u>Well 368--Continued</u>		
Water sand	18	1592
Hard water sand	29	1621
Water sand	3	1624
Lime rock	4	1628
Sandy lime	7	1635
Lime rock	4	1639
Hard sandy lime	4	1643
White lime	27	1670
Lime and shale	22	1692
Lime rock	3	1695
Lime and blue shale	42	1737
White lime	82	1819
Lime rock	9	1828
Lime and shale	243	2071
Water sand	40	2111
Lime rock	11	2122
Sand rock	86	2208
Water sand	20	2228
Sand rock	18	2246
Hard water sand	12	2258
Water sand	22	2280
Sand rock	192	2472
Water sand	301	2773

Well 369

J. A. Dewberry no. 1, $1\frac{3}{4}$ miles south of Dallas Courthouse.

Yellow clay	30	30
Chalk and lime	30	60
Blue shale	410	470
Black shale	80	550
Sandy blue shale, water	21	571
Water sand	5	576
Shale	6	582
Sand	15	597
Blue shale	10	607
Sand	13	620
Blue shale	10	630

Well 370

J. A. Dewberry no. 2, 2 miles south of Dallas Courthouse.

Chalk	100	100
Blue shale	385	485
Black shale	100	585
Sandy shale	10	595
Sand	13	608
Gumbo	8	616
Sand	12	628
Gumbo and hard streaks of sand	72	700

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 370--Continued</u>		
Sand	15	715
Hard dry sand	15	730
Sand	55	785
Limestone	1	786
Sand	19	805
Gumbo	10	815

<u>Well 372</u>		
Oak Cliff Paper Mills, 2 $\frac{1}{2}$ miles south of Dallas Courthouse.		
Clay	26	26
White rock	49	75
Blue shale	490	565
Rock	2	567
Water sand	4	571
Sand rock	3	574
Water sand	10	584
Sticky shale	15	599
Sand	29	628
Sticky shale	4	632
Hard sandy shale	9	641
Sticky shale and hard ledges of rock	21	672
Hard sand rock	2	674
Sand	126	800
Blue shale	4	804

<u>Well 373</u>		
Columbia Packing Co., 2 $\frac{1}{2}$ miles southeast of Dallas Courthouse.		
Surface material	8	8
Sandy clay	10	18
White rock	87	105
Gray shale	390	495
Brown shale	55	550
Gray shale	50	600
Hard rock	3	603
Sand	11	614
Hard rock	4	618
Sand	7	625
Sandy shale	13	643
Hard rock	2	645
Shale	2	647
Hard sand & lime	4	651
Dark-colored sandy shale	25	676
Dark-colored sticky shale	2	678
Sandy shale	5	683
Lime rock	4	687
Brown gumbo	16	703
Mixed shale	7	710
Lime rock	2	712
Brown shale	13	730

	Thickness (feet)	Depth (feet)
<u>Well 373--Continued</u>		
Gray shale	12	742
Lime rock	1	743

<u>Well 375</u>		
City of Grand Prairie no. 2, 0.2 mile northwest of Grand Prairie City Hall.		
Silt	3	3
Clay	7	10
Sandy clay, water	5	15
Yellow clay	23	38
Black shale	42	80
Brown shale	20	100
Blue shale	25	125
Sand	5	130
Gray shale	15	145
Water sand	15	160
Gray shale	33	193
Water sand	27	220
Lime	6	226
Brown shale	19	245
Sand	15	260
Sticky shale	5	265
Lime	15	280
Gray shale	27	307
Brown shale	5	312
Brown gumbo	8	320
Water sand	18	338
Hard rock	4	342
Brown shale	18	360
Water sand	7	367
Brown shale	5	372

<u>Well 376</u>		
City of Grand Prairie no. 3, 0.25 mile northwest of Grand Prairie City Hall.		
Black silt	3	3
Clay	17	20
Gray sand and clay	2	22
Clay	26	48
Dark shale	72	120
Gray sandy shale	10	130
Shell rock	1	131
Gray sandy shale	21	152
Water sand	8	160
Brown shale	5	165
Rock	1	166
Dark gray shale	14	180
Water sand	13	193
White shale	11	204
Water sand	33	237
Lime	3	240

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 376--Continued</u>		
Sand	6	248
Hard lime	7	255
Gray shale	3	258
Brown shale	8	264
Sandy lime	6	270
Sand	29	299
Lime rock	4	303
Water sand	17	320
Black shale	4	324
Brown shale	5	329
Sticky shale	6	335
Lime	12	347
Brown sandy shale	8	355
Hard sand	20	375
Brown shale	13	393
White shale	7	400
Sandy shale	7	407
Lime rock	8	415
Brown shale	4	419

Well 377

City of Grand Prairie no. 4, 0.3 mile northwest of Grand Prairie City Hall.		
Surface soil	9	3
Sandy clay	12	20
Sand and gravel	5	25
Sandy clay	14	39
Shale	86	125
Sand rock, dry	5	130
White shale	10	140
Sandy shale	6	146
Sand	7	153
Brown shale	7	160
Gray shale	15	175
Sand	18	193
White shale	3	196
Sand	12	214
Brown shale	11	225
Sandy shale	25	250
Lime rock	5	253
Sandy shale	7	260
Brown shale	8	268
Gray shale	4	272
Sand	49	321
Black shale	4	325
Gray sandy shale	17	342
Hard sand	20	362
Gray shale	6	368
Dark brown shale	15	383
Gray shale	5	388
Sand	16	404
Gray shale	4	408

	Thickness (feet)	Depth (feet)
<u>Well 377--Continued</u>		
Black shale	7	415
Gray putty sand	5	420
Gray shale	54	474

Well 378

City of Grand Prairie no. 5, 0.25 mile north of Grand Prairie City Hall.		
Surface soil	6	6
Mixed clay	9	15
Dark sand	1	16
Mixed clay	13	29
Blue shale	35	64
Shale	76	140
Sand	9	149
Blue shale	26	175
Gray sandy shale	7	182
Sand	33	215
Brown shale	20	235
Gray shale	3	238
Sand	10	248
Lime rock	3	251
Gray shale	7	258
Brown shale	4	262
Lime rock	3	265
Sandy shale	5	270
Gray shale	20	290
Lime rock	1	291
Water sand	14	305
Black shale	8	313
Blue shale	7	320
Sand	13	333
Lime rock	1	334
Gray shale	11	345

Well 379

City of Grand Prairie no. 6, 0.6 mile northeast of Grand Prairie City Hall.		
Soil	3	3
Clay	11	14
Sand and gravel	34	48
Shale	72	120
Sand rock	2	122
Sandy shale	15	137
Sand	5	142
Shale	13	155
Rock	17	172
Shale	17	189
Dark shale	14	203
Rock	15	218
Gray shale	7	225

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 379--Continued</u>		
Sandy shale	12	237
Sand	5	242
Shale	18	260
Hard sand	10	270
Sand	7	277
Gray shale	30	307
Dark sandy shale	18	325
Gray shale	4	329
Sand	6	335
Shale	11	346
Sand	29	375
Hard sand	3	378
Soft sand	44	422
Black shale	8	430

	Thickness (feet)	Depth (feet)
<u>Well 380</u>		
City of Grand Prairie no. 7, 0.6 mile northeast of Grand Prairie City Hall.		
Clay	17	17
Sand, gravel and clay	11	28
Clay	15	43
Shale	70	113
Gray sandy shale	4	117
Sand rock	3	120
Gray sandy shale	13	133
Hard sand rock	3	136
Sand	12	148
Brown shale	32	180
Gray shale	18	198
Hard sandy lime	7	205
Gray shale	17	222
Sandy shale	6	228
Sand	13	247
Brown shale	13	260
Sand	17	277
Gray shale	40	317
Sand rock	8	325
Dark shale	6	331
Sand	6	337
Dark shale	12	349
Gray sandy shale	9	358
Sand	52	410
Shale	2	412

	Thickness (feet)	Depth (feet)
<u>Well 382</u>		
City of Grand Prairie no. 8, 1.0 mile west of Grand Prairie City Hall.		
Black soil	5	5
Yellow clay	10	15
Mixed clay	15	30
Blue shale	80	110

	Thickness (feet)	Depth (feet)
<u>Well 382--Continued</u>		
Sandy shale	15	125
Brown shale	21	146
Gray shale	2	148
Hard shale	8	156
Sandy shale	26	182
Hard rock	2	184
Sandy shale	22	206
Sand	34	240
Mixed shale	43	283

	Thickness (feet)	Depth (feet)
<u>Well 383</u>		
City of Grand Prairie no. 8a, 1.0 mile west of Grand Prairie City Hall.		
Surface soil	3	3
Yellow clay	5	8
Joint clay, mixed	24	32
Shale	76	108
Sand	6	114
Gray shale	26	140
Brown shale	10	150
Sand	3	153
Brown shale	20	173
Rock	3	187
Hard sand	3	190
Shale	25	215
Hard sand	20	235
Rock	7	242
Hard sand	18	260
Shale	25	285
Sandy shale	19	304
Gray shale	11	315
Sandy shale	16	331
Rock	3	334
Gray sticky shale	34	368
Hard rock	3	371
Sandy shale	11	382
Hard sand	5	387
Shale	14	401

	Thickness (feet)	Depth (feet)
<u>Well 385</u>		
City of Grand Prairie no. 9, 1.0 mile west of Grand Prairie City Hall.		
Surface soil	10	10
Gravel	2	12
Yellow clay	14	26
Gray shale	89	115
Rock	6	121
Blue shale	9	130
Sand	16	146
Lime and shale	28	174
Hard rock	4	178

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 385--Continued</u>		
Sandy shale	49	227
Sand	63	290
Hard lime	3	295
Shale	3	298
Hard lime	2	300
Sandy shale	57	357
Hard lime	2	359
Sandy shale	53	412
Lime	115	527
Sandy shale	59	586
Lime, shale streaked	82	668
Lime rock	258	926
Shale, lime streaked	41	967
Shale and lime	34	1001
Sand	35	1036
Hard rock	3	1039
Sand	11	1050
Shale and lime	67	1117
Hard lime	8	1200
Sandy shale	9	1208
Lime	14	1222
Tough shale	23	1245
Lime rock	85	1330
Sandy lime	15	1348
Lime rock	23	1371
Brown shale	27	1398
Lime rock	55	1453
Sandy lime	49	1502
Shale	63	1565
Sand	13	1578
Shale	22	1600
Sandy lime	25	1625
Hard lime	3	1628
Shale	7	1635
Lime	42	1677
Shale, lime streaked	30	1707
Lime	27	1734
Sandy lime	8	1742
Sand	12	1754
Sandy lime	42	1796
Sandy shale	30	1826
Sand, lime streaks	29	1855
Lime	10	1865
Red shale	12	1878
Sand	14	1892
Shale	7	1899
Sand and rock	44	1943
Sand	12	1955
Sand and rock	13	1968
Mixed shale	12	1980
Sand	17	1997
Lime	6	2003
Lime and shale	10	2013
Hard lime	4	2017
Lime, shale	12	2029

	Thickness (feet)	Depth (feet)
<u>Well 386</u>		
U. S. Naval Reserve Aviation Base Training Squadron no. 1, 1.1 miles southwest of Grand Prairie City Hall.		
Surface soil	8	8
Yellow clay	7	15
Sandy clay	15	30
Sand	2	32
Black shale	2	34
Mixed shale	21	55
Blue shale	43	98
Sand rock	3	101
Iron pyrites	2	103
Hard rock	2	105
Gray shale	97	202
Hard sand rock	24	226
Gray shale	49	275
Lime rock	4	279
Black shale	8	287
Gray shale	25	312
Rock	1	313
Gray shale	17	330
Sandy shale	15	345
Sand	53	398
Gray shale	10	408

	Thickness (feet)	Depth (feet)
<u>Well 387</u>		
North American Aviation Inc., no. 31, 1.5 miles southeast of Grand Prairie City Hall.		
Surface soil	5	5
Yellow sand and clay	50	55
Black shale	80	135
Sand	15	150
Shale	7	157
Sand	6	163
Shale	13	176
Sandy shale	14	190
Gray shale	33	223
Sand	16	239
Sandy shale	33	272
Rock	2	274
Sand	8	282
Sandy shale	41	323
Sand and layers of shale	32	355
Shale	7	362
Sandy shale and sand	61	423
Sand	17	440
Hard shale	26	466
Shale	79	545
Lime and shale	122	667
Lime	178	845
Shale and lime	154	999
Sandy shale	18	1017
(Continued on next page)		

Table of drillers' logs, Dallas County--Continued

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
<u>Well 387--Continued</u>				<u>Well 388</u>			
Sandy shale and layers				North American Aviation Inc. no. 1, 1.5 miles southeast of Grand Prairie City Hall.			
sand	10	1035		Soil	3	3	
Sandy shale	6	1041		Clay	8	11	
Hard shale	12	1053		Red sand and sandy clay	18	29	
Hard shale and layers lime	3	1085		Red sandy clay	20	49	
Sandy shale	30	1115		Red sand	20	69	
Hard shale	9	1127		Hard sandy shale	101	170	
Sandy shale and lime	45	1172		Sand rock	1	171	
Sandy lime	23	1195		Fine-grained gray sand	18	189	
Lime and shale (hard)	50	1253		Hard sandy shale	19	208	
Sandy lime and shale	53	1286		Hard shale and sandy shale	54	262	
Lime and shale	16	1302		Soft rock	6	268	
Hard shale and lime	30	1322		Sand. shale and lignite	22	290	
Hard lime	43	1370		Rock	1	291	
Lime	11	1381		Hard shale	44	335	
Sandy lime	9	1390		Fine-grained sand	12	347	
Lime	15	1405		Fine-grained sand and sandy shale	17	364	
Hard lime	15	1420		Rock	5	369	
Sandy lime	12	1432		Hard shale	61	430	
Lime	7	1439		Sandy shale and lignite	20	450	
Hard lime	41	1480		Sand rock	3	462	
Lime and layers shale	11	1491		Hard shale	44	506	
Hard lime and shale	21	1512		Hard shale and lime	23	529	
Hard lime	18	1530		Lime rock	4	533	
Lime and layers of shale	45	1575		Hard shale, lime Hard layer	17	550	
Hard lime	29	1604		Hard shale and lime	1	551	
Lime	13	1617		Hard shale and lime	18	569	
Shale and lime	16	1633		Shale	27	596	
Shale	8	1641		Lime rock	95	691	
Sand	13	1654		Shale and lime	16	707	
Shale	21	1675		Lime rock	222	929	
Sand	15	1690		Lime rock and shale	67	996	
Sandy shale and sand	17	1707		Hard dry shale	3	1001	
Shale and sand	12	1720		Hard dry shale and layers hard sand	10	1011	
Shale and lime	65	1785		Shale	19	1030	
Hard shale	14	1799		Sand	33	1063	
Hard red and blue shale	101	1900		Shale	5	1068	
Sandy shale and sand	16	1916		Red shale	14	1082	
Sand	17	1933		Shale and lime	27	1109	
Sand and layers of shale	20	1953		Limestone	5	1114	
Hard shale	4	1957		Hard shale	6	1120	
Shale and sand streaks	19	1976		Hard rock	2	1122	
Sand	21	1997		Sandy limestone and shale	3	1125	
Sand and layers shale	11	2008		Hard sandy lime	21	1146	
Shale	6	2014					
Sand	41	2055					
Hard shale	6	2061					
Sand	11	2072					
Hard red and blue and yellow shale	8	2080					

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 388--C ntinued</u>		
Shale	5	1151
Brittle shale and lime	24	1175
Hard limestone	61	1236
Sandy limestone and shale	7	1243
Hard sandy shale	77	1320
Layers sandy shale and limestone	45	1365
Hard sandy shale	13	1378

	Thickness (feet)	Depth (feet)
<u>Well 389</u>		
North American Aviation Inc., no. 2, 1.5 miles southeast of Grand Prairie City Hall.		
Soil	4	4
Yellow clay	7	11
Sandy clay and sand	50	61
Hard sandy shale	53	114
Shale	50	164
Sand rock	1	165
Sand	19	184
Hard shale	80	264
Sand	6	270
Rock	4	274
Sand and lignite	22	296
Shale	42	338
Sand	15	353
Shale	3	361
Shale and sand	14	375
Sandy shale and shale	101	476
Shale	43	519
Shale and lime	91	610
Lime	354	964
Lime and shale	30	994
Sandy shale and sand	25	1019
Hard shale	2	1021
Sandy shale and sand	7	1028
Sand	29	1057
Hard red shale and lime	24	1081
Sandy lime and shale	53	1134
Sandy shale and lime	42	1176
Sandy lime	26	1202
Lime and shale	43	1245
Sandy shale and thin layers hard sand	61	1306
Sandy lime and shale	53	1359
Lime and shale	20	1379
Lime	47	1426
Sandy lime	10	1436
Lime	47	1483
Lime and shale layers	76	1559
Shale and lime	87	1646
Shale	6	1652

	Thickness (feet)	Depth (feet)
<u>Well 389--Continued</u>		
Sand	44	1696
Lime	10	1706
Sand	6	1712
Lime and shale	46	1758
Shale and lime	21	1779
Sand	8	1787
Shale and lime	16	1803
Hard red and blue shale	23	1826
Sand	10	1836
Shale	7	1843
Hard red and blue shale	60	1903
Sand	14	1917
Hard shale	11	1928
Sandy lime and sand layers	11	1939
Hard shale	12	1951
Sand	15	1966
Shale	7	1973
Hard shale and sand layers	13	1986
Sand	76	2062
Lime	8	2070
Sand	10	2080
Hard shale and lime layers	68	2148

	Thickness (feet)	Depth (feet)
<u>Well 390</u>		
North American Aviation Inc., no. 4, 1.5 miles southeast of Grand Prairie City Hall.		
Yellow sandy clay and sand	59	59
Black shale	95	154
Sand	6	160
Shale	8	168
Sand	12	180
Gray shale	41	221
Shale and layers sand	26	247
Sand	4	251
Sandy shale	17	268
Sand and layers shale	37	305
Sandy shale and sand	24	329
Shale	28	357
Lime and pyrites	4	361
Shale	8	369
Sand	12	381
Sandy shale and sand	23	409
Sand	15	424
Sandy shale	17	441
Shale	17	458
Sand	15	473
Hard shale	22	495

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 390--Continued</u>		
Hard gray shale, lime	45	540
Lime	285	825
Lime and shale	46	871
Hard shale	10	881
Lime and shale	110	991
Sandy shale and lime	21	1012
Sandy shale and sand	25	1037
Hard shale	3	1045
Sandy shale	8	1053
Hard blue shale	41	1094
Sandy shale and sand	5	1099
Red and blue shale and sand	30	1129
Shale and sand	34	1163
Hard shale	6	1169
Hard lime and shale	32	1201
Hard shale and lime	163	1364
Hard lime	4	1368
Lime and shale	76	1444
Lime and shale	195	1639
Sand and shale breaks	51	1690
Sand and shale and lime	33	1723
Lime and shale	31	1754
Hard shale and lime	12	1766
Sand	20	1786
Hard red and blue shale	119	1905
Sand	16	1921
Shale (good)	6	1927
Sand and few shale breaks	37	1964
Sand	101	2065
Hard shale	10	2075

Well 393

U. S. Naval Reserve Aviation Base no. 1, 2.5 miles southeast of Grand Prairie City Hall.		
Surface soil	6	8
Yellow clay	7	15
Sand and gravel	6	21
Blue shale	57	78
Gray shale	27	105
Brown shale	77	182
Sandy shale	3	185
Sand rock	2	187
Sandy shale	3	190
Hard sand rock	2	192
Sand	17	209
Brown shale	53	262
Sand	52	314
Shale	61	375
Lime rock	3	378
Fine-grained sand	23	401
Shale	84	485

	Thickness (feet)	Depth (feet)
<u>Well 394</u>		
U. S. Naval Reserve Aviation Base no. 2, 2.5 miles southeast of Grand Prairie City Hall.		
Surface soil	9	9
Mixed clay, yellow and gray	4	13
Sand and gravel	6	19
Mixed clay	9	28
Shale	169	197
Sand	3	200
Rock	2	202
Shale	62	264
Brown sandy shale	5	269
Water sand	46	315
Gray sandy shale	61	376
Lime	3	379
Gray shale	32	411
Sandy lime	4	415
Dark shale	2	417

Well 396

U. S. Naval Reserve Aviation Base no. 3, 2.5 miles southeast of Grand Prairie City Hall.		
Surface soil	12	12
Sandy clay	6	18
Sand and gravel	10	28
Mixed shale	7	35
Blue shale	20	55
Shale	141	196
Hard sand rock	4	200
Gray sandy shale	31	231
Sand	4	235
Sandy shale	7	242
Sand	11	253
Shale	94	347
Lime rock	5	350
Sand	4	354
Gray shale	6	360
Green shale	22	382
Shale	21	403
Rock	2	405
Sand	14	419
Gray shale	23	442
Sandy shale	5	447
Gray shale	11	458
Lime rock	15	473
Shale	22	495
Shale and lime	73	568
Sand and lime	72	640
Shale and lime	102	742
Lime	66	808
Hard lime	60	868
Lime	20	888

(Continued on next page)

Table of drillers' logs, Dallas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 396--Continued</u>		
Lime and shale	108	996
Sand	19	1015
Sand and lime	60	1075
Sandy lime	92	1167
Sand	53	1220
Lime	39	1259
Lime and shale	60	1319
Shale and sand	71	1390
Lime	75	1465
Lime and shale	85	1550
Lime	65	1615
Sand	15	1630
Lime	10	1640
Shale	10	1650
Shale and lime	36	1686
Lime	24	1710
Sand	15	1725
Shale	25	1750
Sand, streaks lime	21	1771
Lime	19	1790
Sand	26	1816
Shale	9	1825

	Thickness (feet)	Depth (feet)
<u>Well 396--Continued</u>		
Sand	7	1832
Broken sand	28	1860
Lime and shale	36	1896
Lime	44	1940
Shale	15	1955
Lime	10	1965
Shale	15	1980
Sand	5	1985
Shale	60	2045
Sand	15	2060
Green shale	15	2075
Sand	25	2100
Sand and shale	17	2117
Sand	18	2135
Shale	21	2156

Partial analyses of water from wells and springs in Dallas County, Texas

Analyzed at The University of Texas under the direction of W. W. Hastings, Chemist, U. S. Department of the Interior, Geological Survey, and Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry. Results are in parts per million. Well numbers correspond to numbers in table of well records.

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.)
a/ 2	Town of Coppell	220	Aug. 17, 1942	610	4.0	1.5	233	415	148	13	1.4	0	16
8	J. W. Hudnall	124	Sept. 3, 1942	1,248	11	5.1	467	744	310	35	3.7	0	48
a/ 12	City of Carrollton	410	Aug. 14, 1942	2,189	8.8	3.6	819	805	554	404	3.6	0	37
13	do.	320	do.	2,094	6.4	3.9	797	793	407	488	1.6	0	32
17	C.S. Hamilton	690	Aug. 25, 1942	2,201	2.0	1.5	829	830	591	365	-	4.0	11
21	Mrs. J.T. Marsh	536	do.	2,324	2.0	1.5	937	830	20	955	-	-	11
a/ 25	Farmers Branch Fresh Water Dist.	303	Aug. 13, 1942	1,906	2.4	3.9	713	781	554	245	3.2	0	22
27	Frank Dobecka	128	Sept. 3, 1942	1,429	7.6	.2	562	854	214	225	-	0	20
33	Cabell Dairy Co.	278	Aug. 17, 1942	1,955	98	28	523	378	1,035	70	0	15	352
a/ 34	F. Fields Est.	65	do.	1,738	10	3.9	591	403	869	60	1.4	5.0	42
35	W. F. Laney	23 ¹	Sept. 3, 1942	-	-	-	-	390	392	211	-	220	-
38	S. L. Neilson	163	Aug. 17, 1942	1,997	4.0	1.5	771	799	351	474	-	2.0	16
42	Dr. C.L. Martin	320	do.	2,166	.4	3.9	823	750	480	490	-	0	17
45	Joe Fields	175	Sept. 3, 1942	1,811	2.4	2.7	686	732	436	320	-	4.0	17
46	B. Harrington	180	Aug. 17, 1942	3,831	328	52	807	305	1,368	338	-	783	1,032
49	J.E. Millican	149	Aug. 13, 1942	1,565	2.4	3.9	595	781	377	196	-	7.0	22
58	Chas. Rogers	15	do.	-	-	-	-	390	92	23	-	13	-
60	R. Hansen	139	do.	1,861	4.4	1.2	690	702	591	221	3.8	5.0	16
77	City of Irving	4-4	do.	1,832	b/	1.5	621	634	591	155	-	1.0	6
a/ 78	do.	397	do.	1,708	10	3.9	622	577	554	182	1.6	1.5	42
85	D. W. Cluck	16	Sept. 4, 1942	443	95	6.3	55	250	55	54	-	55	264
92	Edwin T. Moore	14	Aug. 17, 1942	579	100	10	96	311	177	41	-	2.0	291
93	do.	190+	do.	1,709	4.0	1.5	646	826	466	177	-	6.0	15
a/ 100	R. S. Morris	2,636	July 2, 1942	11,629	430	196	3,016	226	7,762	107	6.1	0	1,831
101	E. W. Turck	100	Sept. 3, 1942	868	4.4	2.7	308	311	333	59	-	8.0	22
102	Tom Hall	24	do.	-	-	-	-	354	137	143	-	189	-

a/ Analyses of water from selected wells and springs are given in milligram equivalents per liter on page 104.

b/ Ars than 2 parts per million.

b/

Partial analyses of water from wells and springs in Dallas County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Results are in parts per million									Total hardness as CaCO ₃ (calc.)
				Total dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	
105	W. Joe Brown	35	Sept. 3, 1942	432	54	10	96	311	103	15	-	0	176
106	W. J. Goldman	190	Aug. 11, 1942	1,360	6.4	2.7	512	750	370	97	1.7	0	27
107	Cabell Barker	197	do.	1,584	4.8	2.4	655	1,122	2	364	3.6	0	22
a/109	Fred H. Hastings	750	do.	1,711	2.8	5.1	605	531	739	95	1.1	2.0	28
110	John Hall	593	Sept. 4, 1942	1,375	12	.2	557	543	739	180	.7	10	30
111	G. W. Trees	16	do.	288	87	6.3	17	205	17	6.0	-	5.0	244
112	Paul Hintz	36	Sept. 3, 1942	747	88	15	161	336	137	109	-	72	279
115	A. M. Gibson	703	do.	2,023	3.6	.2	718	525	387	145	2.2	9.0	10
a/118	Town of Cedar Hill	892	July 6, 1942	982	8.4	2.7	321	488	285	21	.4	3.0	32
119	Frank Wylie	22	Aug. 11, 1942	982	172	6.1	128	226	224	66	-	275	454
120	T.J.Gilliland	8	Sept. 3, 1942	-	-	-	-	220	111	3.0	-	25	-
121	Mrs.J.H.Chapman	15	Sept. 4, 1942	705	168	3.9	50	207	100	75	-	206	437
122	Pickens Burton	Spring	Sept. 1, 1942	411	110	1.5	42	348	55	3.0	1.1	27	281
123	Lawrence Henry	36	Aug. 7, 1942	-	-	-	-	293	41	7.0	-	2.0	-
a/124	De Soto School	864	Aug. 11, 1942	1,954	.4	3.9	704	598	776	170	2.7	3.0	17
126	Lone Star Gas Co.	918	do.	2,095	.4	3.9	755	659	832	175	-	5.0	17
127	Lou Foote	907	Aug. 7, 1942	2,395	10	3.9	854	721	702	438	3.5	0	42
128	Jerome Dean	909	Sept. 1, 1942	1,994	4.4	2.7	733	639	647	265	0	3.0	22
129	Laurel Land Memorial Park	853	July 30, 1942	2,230	4.0	1.5	833	769	528	385	-	0	16
130	do.	859	do.	2,196	9.6	0.2	814	793	665	314	2.8	0	25
131	R.A.Simpson Est.	900+	Sept. 1, 1942	1,898	7.6	.2	722	842	444	310	-	0	20
132	Mrs. E. H. Ray	35	do.	-	-	-	-	439	13	42	-	172	-
a/134	W. A. Sears	1,025	Aug. 6, 1942	1,552	8.8	5.1	557	622	518	125	1.6	30	43
135	Mrs.W.H.Niess	24	Aug. 7, 1942	271	91	5.1	2.1	238	8	17	-	31	248
136	Cedric Moore	16	do.	-	-	-	-	354	26	11	-	1.0	-
137	Wilmer-Hutchins School Dist.	1,025	Aug. 6, 1942	2,320	21	2.4	909	970	111	300	-	-	62
a/138	City of Lancaster	1,057	Aug. 7, 1942	1,431	10	1.5	520	567	480	134	1.6	5.0	31
139	A. J. Sandling	18	Sept. 1, 1942	-	-	-	-	262	22	4.0	-	7.0	-
140	Mrs.L.B.Miller	22	Aug. 6, 1942	515	162	2.7	31	354	16	122	0	7.0	417
141	City of Ferris	1,400+	Sept. 1, 1942	1,405	2.0	1.5	539	756	351	130	2.9	7.0	11
142	L. O. Wammack	1,322	Aug. 7, 1942	1,776	78	1.5	600	824	407	280	4.4	0	201

a/ Analyses of water from selected wells and springs are given in milligram equivalents per liter on page 104.

b/ Less than 2 parts per million.

Partial analyses of water from wells and springs in Dallas County--Continued

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.)
143	C. G. Daniel	20	Aug. 7, 1942	277	77	3.6	28	305	6	3.0	-	9.5	207
144	Ward Finley	16	Sept. 1, 1942	-	-	-	-	415	59	51	-	9.5	-
145	Mrs. Nancy Cobb	22	Aug. 7, 1942	591	87	5.1	135	409	92	70	-	1.0	238
146	City of Seagoville	1,731	July 31, 1941	2,398	5.2	2.4	926	1,036	356	572	4.2	0	23
149	Federal Reformatory for Women	34	do.	1,128	207	25	195	450	4.5	475	-	0	620
150	do.	36	Dec. 4, 1941	799	36	4.1	236	671	51	82	-	-	108
151	do.	1,847	July 29, 1941	1,670	3.7	1.4	634	900	366	199	4.5	0	15
153	Dr. W. J. Ridgell	45	Aug. 4, 1942	1,735	412	28	178	421	259	650	1.4	-	1,147
154	H. Scott Cherry	1,177	do.	18,776	487	184	6,572	24	20	11,500	1.2	-	1,973
155	Buford Jett	35	do.	470	126	3.9	48	366	55	53	-	4.0	332
156	Clayton Stark	38	do.	504	122	1.5	57	311	129	19	.3	22	311
157	J. M. Cole	20	do.	-	-	-	-	183	111	334	-	80	-
159	M. F. Romine	1,137	Sept. 2, 1942	1,809	4.4	2.7	698	811	325	375	.9	4.0	22
a/162	City of Mesquite no. 2	2,555	July 31, 1941	1,069	4.1	1.6	394	564	307	63	1.4	0	16
163	City of Mesquite no. 1	1,475+	do.	2,011	5.2	2.4	782	942	317	440	-	0	23
165	W. S. Ragsdale	30	Aug. 4, 1942	-	-	-	-	195	59	146	-	189	-
167	H. B. Lowe	30	Aug. 5, 1942	-	-	-	-	171	277	27	-	19	-
a/168	F. H. Hamilton	22	do.	1,112	119	5.1	269	370	163	199	.2	165	318
169	Ellis Borchard	62	do.	-	-	-	-	220	5	160	-	132	-
170	Swoffer Fst.	59	do.	809	92	8.8	190	348	67	160	-	120	265
171	W. P. Wilhite	26	do.	-	-	-	-	549	155	540	-	70	-
172	City of Dallas	15	Aug. 24, 1942	794	118	3.9	188	421	33	236	1.2	7.0	312
173	J. A. Sharp	55	Aug. 6, 1942	342	103	6.3	5.0	226	33	16	.8	65	234
a/174	City of Garland no. 2	2,318	July 3, 1942	360	4.4	3.9	332	528	174	32	2.2	2.0	27
175	City of Garland	2,303	Mar. 6, 1941	820	-	4.4	322	616	156	32	1.7	1.0	18
175	do.	2,303	July 3, 1942	847	4.0	1.5	332	622	166	33	2.0	2.5	16
176	Mrs. Maggie Oliver	30	Aug. 5, 1942	-	-	-	-	336	63	17	-	16	-
177	H. L. Shenault	16	do.	-	-	-	-	281	15	30	-	18	-
178	A. T. Russell	28	Sept. 2, 1942	434	122	11	20	305	59	42	-	30	-

a/ Analyses of water from selected wells and springs are given in milligram equivalents per liter on page 104.

b/ Less than 2 parts per million.

Partial analyses of water from wells and springs in Dallas County--Continued

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.)
179	Mrs. G. A. Brown	37	Aug. 5, 1942	-	-	-	-	237	1,353	468	-	330	-
180	R. F. Hofmann	25	Sept. 2, 1942	346	106	10	9.7	329	16	11	-	31	306
181	Bill Bryant	Spring	Aug. 6, 1942	-	-	-	-	299	18	25	-	23	-
a/182	do.	Spring	do.	328	109	4.9	7.8	305	15	17	.8	22	293
a/185	City of Richardson	1,947	July 3, 1942	742	4.0	1.5	294	598	122	23	1.1	2.5	16
190	Dallas County	Spring	Aug. 24, 1942	-	-	-	-	293	12	9.0	-	34	-
194	Mrs. L. J. Pepperberg	909	do.	2,884	3.8	2.4	1,034	769	1,109	350	-	2.0	32
202	H. L. Graham	755	do.	-	-	-	-	866	2	1,165	-	-	-
205	J. Kilchenstein	1,127	do.	2,171	6.0	1.5	817	930	554	380	-	4.0	21
206	Carl A. Mangold, Jr.	1,075	do.	1,754	.4	2.7	658	720	554	185	3.6	6.5	12
a/217	Walnut Hill School	605	Aug. 25, 1942	2,566	4.0	1.5	989	927	462	650	3.7	-	16
225	J. T. Lively and Son	360	Aug. 13, 1942	549	123	6.3	73	427	41	62	.4	28	334
227	John W. Schwab	16	Aug. 17, 1942	182	4.4	2.7	57	177	12	4.0	-	5.0	22
a/230	A. and Rex McCullough	330	July 24, 1942	2,192	22	2.7	848	903	170	700	3.4	2.0	67
234	Colonial Motor Lodge, Inc.	365	do.	2,268	6.0	1.5	887	891	270	650	2.5	3.0	21
237	P. P. Ballowe	290	Sept. 4, 1942	2,110	4.4	3.9	808	817	392	500	-	0	27
241	Brook Hollow Country Club	50	July 23, 1942	348	102	3.9	30	366	15	13	.4	3.0	272
242	Texas Textile Mills	518	July 24, 1942	1,416	9.6	.2	530	571	384	180	-	2.0	25
246	W. A. Bradshaw	32	do.	2,185	8.0	1.5	878	854	14	860	3.2	-	26
247	Texas Oak Flooring Co.	330	do.	1,783	10	1.5	659	708	525	230	2.8	7.0	32
a/252	City of Highland Park no. 1	2,700+	June 25, 1942	10,577	204	86	3,124	342	6,759	232	2.4	0	863
255	City of University Park	2,850	do.	8,498	120	54	2,585	281	5,359	225	4.9	0	523

a/ Analyses of water from selected wells and springs are given in milligram equivalents per liter on page 164.

b/ Less than 2 parts per million.

Partial analyses of water from wells and springs in Dallas County--Continued

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.)
257	Southern Methodist University	2,999	June 19, 1942	1,051	4.0	1.5	378	360	407	82	1.3	0	16
262	G.C. and S.F. Ry. Co.		10 Aug. 24, 1942	1,250	86	.2	356	415	554	50	-	0	215
a/263	Buckner Orphans Home	1,600+	June 22, 1942	1,537	9.4	1.9	547	694	439	138	3.3	.5	32
264	do.	3,368	do.	7,590	126	54	2,233	52	4,740	293	-	.5	536
266	do.	1,342	do.	1,726	12	1.5	644	793	470	198	5.2	5.0	36
267	G. G. Slack	1,302	Aug. 4, 1942	1,495	6.0	1.5	555	659	400	138	2.8	1.0	21
268	Mrs. F. T. Cox	1,301	July 31, 1941	1,139	5.4	1.0	305	720	395	128	-	0	13
271	S. S. Conner	1,160	do.	1,512	3.6	1.3	572	702	402	187	-	0	14
272	S. D. Sprinkle	1,260	do.	1,506	3.7	1.3	559	702	414	182	-	0	14
273	Frank W. Bevill		30 ¹ / ₂ Sept. 2, 1942	-	-	-	-	317	101	365	-	46	-
274	Mercedes Montgomery		28 ¹ / ₂ Aug. 6, 1942	396	96	7.5	40	293	52	26	.7	30	270
275	Jaffee Cotton Products Co.	950	do.	1,645	14	3.9	594	714	569	110	3.6	0	52
276	do.	40	do.	1,671	8.4	2.7	609	683	591	121	3.2	0	32
277	W. M. Kirby		23 Sept. 2, 1942	538	124	8.8	46	293	33	33	-	144	345
282	Proctor and Gamble	2,650	June 22, 1942	2,002	36	3.9	666	525	924	110	2.6	1.0	107
a/285	City of Dallas no. 39	2,921	June 18, 1942	1,032	8.0	2.8	381	556	253	94	2.6	.5	32
288	A. A. and J. W. Heibel	661	Aug. 11, 1942	2,427	2.4	2.7	927	726	458	630	-	-	17
291	Magnolia Petroleum Co.	880	do.	1,081	.4	2.7	401	537	370	40	-	3.0	12
294	City of Dallas no. 38	2,634	June 26, 1942	1,099	6.8	2.4	394	498	341	80	1.7	2.5	27
296	Nelson A. Ferry	793	July 27, 1942	1,413	6.4	1.2	517	586	503	95	2.4	0	21
297	R.L. Meredith	365	do.	2,254	9.6	.2	347	702	525	520	2.4	5.0	25
299	Sisters of Our Lady of Charity	1,492	July 8, 1942	745	4.4	2.7	282	488	185	26	1.8	3.0	22

a/ Analyses of water from selected wells and springs are given in milligram equivalents per liter on page 124.

b/ Less than 2 parts per million.

Partial analyses of water from wells and springs in Dallas County--Continued

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.)
a/300	Dallas County Fresh Water Dist. no. 1	557	Aug. 12, 1942	1,244	12	1.5	454	586	399	87	1.2	1.5	36
301	Trinity Portland Cement Co.	1,550±	July 8, 1942	690	8.4	2.7	257	470	170	17	1.0	3.0	32
a/303	The Texas Co. no. 3	2,485	July 1, 1942	1,258	8.8	5.1	445	482	481	79	1.2	0	43
304	The Texas Co. no. 1	1,400±	do.	741	6.4	3.9	276	488	192	20	0	2.0	32
a/305	The Texas Co. no. 4	1,392	do.	375	4.4	3.9	330	537	222	49	1.4	0	27
306	The Texas Co. no. 2	2,373	do.	1,372	13	5.1	480	500	543	79	2.0	3.0	53
309	Lone Star Cement Corp., no. 4	2,516	June 29, 1942	1,108	8.4	3.9	397	464	395	72	1.5	2.0	37
312	Motor Hotel Corp.	805	July 29, 1942	1,550	1.6	.2	573	586	565	120	2.0	10	5
313	Charles Reasonover	585	July 27, 1942	2,020	8.0	1.5	744	708	628	290	-	0	26
314	Master Petroleum Co., no. 2	722	do.	1,645	6.8	5.1	597	653	555	150	-	0	38
315	Dr. John Kelly	945	do.	2,595	12	.2	979	787	565	650	2.3	0	30
321	City of Dallas "Gill" well	2,585	June 30, 1942	10,059	219	91	2,929	366	6,431	205	-	0	921
a/322	Dallas Power and Light Co.	570	July 8, 1942	1,522	7.6	3.8	589	659	481	205	0	6.0	55
323	Dallas Power and Light Co. no. 1	1,427	do.	954	11	5.1	359	695	207	23	3.4	3.0	48
324	Dallas Power and Light Co. no. 2	1,623	do.	724	9.6	.2	278	543	148	20	1.0	.5	25
328	Dallas County	1,637	July 11, 1942	835	9.5	.2	313	537	222	22	.6	3.0	25
a/330	Union Terminal Co.	2,675	June 30, 1942	1,092	8.4	2.7	403	549	314	90	1.0	2.5	32
333	First National Bank	1,671	July 10, 1942	761	8.8	2.4	288	543	170	20	2.5	2.0	32
a/334	Adolphus Hotel	1,660	do.	1,529	10	1.5	564	659	466	158	2.3	3.0	31

a/ Analyses of water from selected wells and springs are given in milligram equivalents per liter on page 104..

b/ Less than 2 parts per million.

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Partial analyses of water from wells and springs in Dallas County--Continued

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.) ³
339	Magnolia Petroleum Co., no. 1	1,668	July 11, 1942	701	10	2.7	259	476	170	20	1.4	3.0	37
340	Southwestern Life Insurance Co.	1,618	July 10, 1942	767	7.6	.2	296	549	170	21	2.2	0	20
343	Pratorian Building	1,618	July 11, 1942	736	2.8	2.4	285	537	159	21	1.0	0	17
346	Putler Bros.	1,660	July 9, 1942	1,107	10	3.9	405	592	333	57	3.3	4.0	42
347	Dallas Office and Club Building	1,650	July 22, 1942	815	6.4	2.7	307	543	217	19	1.4	4.0	27
a/353	St. Paul's Hospital	920	July 9, 1942	1,609	6.4	2.7	595	659	499	131	2.8	4.0	27
355	Baylor University Hospital	974	do.	1,775	1.6	.2	665	720	554	192	3.2	4.5	5
363	Sears Roebuck and Co.	1,658	do.	816	6.0	1.5	310	543	207	20	1.8	3.0	21
365	City of Dallas no. 34	-	June 20, 1942	1,035	6.4	2.4	378	522	279	8 ^a	2.2	.0	26
368	City of Dallas no. 33	2,773	do.	985	6.0	2.1	365	544	204	108	2.2	.0	24
371	City of Dallas no. 35	2,750	June 25, 1942	943	5.2	2.1	353	562	164	106	3.0	.0	22
375	City of Grand Prairie no. 2	372	Mar. 6, 1941	551	3.6	3.2	220	506	58	14	1.4	1.3	22
375	do.	372	June 30, 1943	646	1.9	.9	255	531	87	20	1.2	4.7	8
376	City of Grand Prairie no. 3	410	do.	580	2.0	.3	233	506	65	16	1.2	4.0	6
379	City of Grand Prairie no. 6	430	do.	633	2.1	.5	237	517	68	15	1.2	2.8	7
384	City of Grand Prairie no. 8b	1,000	July 6, 1942	717	.4	3.9	281	549	137	20	1.5	3.0	17
385	City of Grand Prairie no. 9	2,029	June 23, 1943	827	3.7	.9	321	543	131	83	1.9	2.0	8

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a/ Analyses of water from selected wells and springs are given in milligram equivalents per liter on page 104.

b/ Less than 2 parts per million.

Partial analyses of water from wells and springs in Dallas County--Continued

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.)
386	U. S. Naval Reserve Aviation Base Training Squadron no. 1	408	June 30, 1943	512	1.9	.7	199	441	53	14	1.2	2.0	8
387	North American Aviation Inc., no. 3	2,080	June 27, 1943	887	4.3	1.1	336	536	175	34	1.3	.0	15
388	North American Aviation Inc., no. 1	1,180	July 2, 1942	752	8.4	2.7	230	494	192	22	1.0	2.5	32
389	North American Aviation Inc., no. 2	2,148	do.	1,072	2.0	1.5	402	519	333	76	2.4	0	11
390	North American Aviation Inc., no. 4	2,075	June 27, 1943	1,025	6.9	2.2	374	517	235	30	1.7	.0	26
393	U.S. Naval Reserve Aviation Base no. 1	413	do.	1,008	3.2	1.0	377	529	294	54	5.7	.2	13
394	U.S. Naval Reserve Aviation Base no. 2	417	do.	942	5.1	1.6	352	519	230	30	1.3	1.8	19
396	U.S. Naval Reserve Aviation Base no. 3	2,156	do.	938	5.0	1.3	349	503	230	82	2.2	.2	13

a/ Analyses of water from selected wells and springs are given in milligram equivalents per liter on page 104.

b/ Less than 2 parts per million.

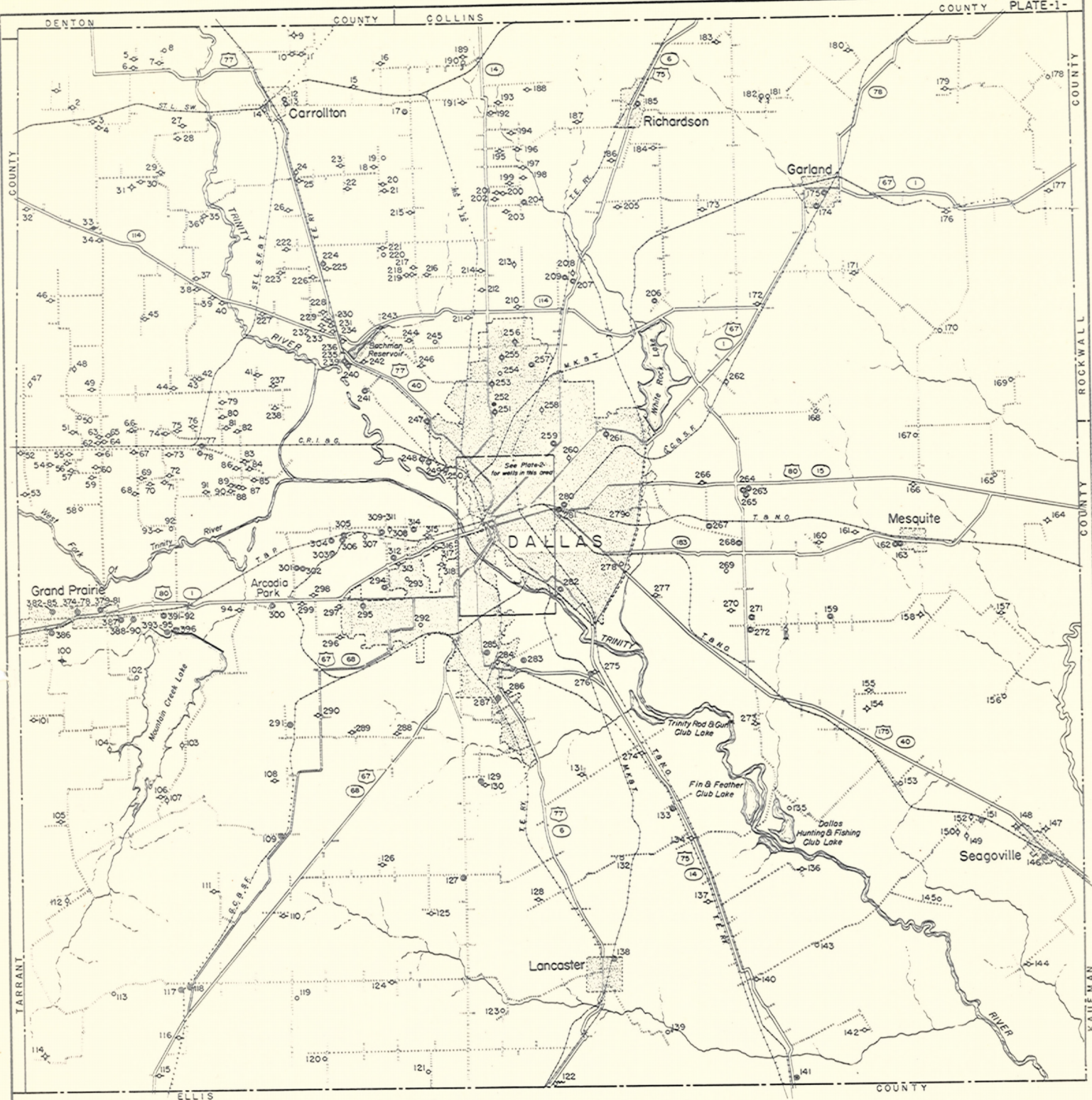
Determination of iron, silica and pH
(Parts per million except pH)

Well	Silica (SiO ₂)	Iron (Fe)	pH
146	22	0.06	-
162	20	.04	-
263	26	1.20	8.5
264	-	.32	8.5
285	24	.01	8.5
294	25	.02	-
365	26	.02	8.5
368	24	.02	8.5
371	31	.05	8.5
375	14	.14	8.7
376	9.2	.03	8.6
379	10	.04	8.8
385	16	.11	8.7
386	16	.24	8.8
387	21	.02	8.7
390	20	.04	8.6
393	12	.33	8.5
394	14	.50	8.6
396	18	.08	8.5

Chemical Analyses-Continued

Results are in milligram equivalents per liter

Well	Owner	Depth of well (ft.)	Date of collection	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.)
2	Town of Coppell	220	Aug. 17, 1942	0.20	0.12	10.14	6.30	3.08	0.51	0.07	0	0.32
12	City of Carrollton	410	Aug. 14, 1942	.44	.30	35.59	13.20	11.55	11.39	.19	0	.74
25	Farmers Branch Fresh Water Dist.	323	Aug. 13, 1942	.12	.32	30.79	12.30	11.55	6.91	.17	0	.44
34	E. Fields Est.	65	Aug. 17, 1942	.52	.32	25.70	5.60	18.10	1.69	.07	.03	.84
78	City of Irving	377	Aug. 13, 1942	.52	.32	27.04	11.10	11.55	5.13	.08	.02	.84
100	R. S. Morris	2,636	July 2, 1942	21.52	16.10	131.12	5.70	161.70	3.02	.32	0	37.62
109	Fred H. Hastings	750	Aug. 11, 1942	.14	.42	26.31	2.70	15.40	2.63	.06	.03	.56
113	Town of Cedar Hill	392	July 6, 1942	.42	.22	13.95	3.00	5.93	.59	.02	.05	.64
124	DeSoto School	864	Aug. 11, 1942	.02	.32	30.51	2.30	10.17	4.79	.14	.01	.54
134	W. A. Sears	1,025	Aug. 6, 1942	.44	.12	24.21	10.20	10.73	3.53	.03	.43	.86
138	City of Lancaster	1,057	Aug. 7, 1942	.50	.12	22.63	2.30	10.01	3.73	.03	.03	.62
162	City of Mesquite no. 2	2,555	July 31, 1941	.20	.13	17.15	2.24	6.39	1.73	.07	0	.33
168	F. H. Hamilton	22	Aug. 5, 1942	5.94	.42	11.71	6.40	3.39	5.61	.01	2.66	5.36
174	City of Garland no. 2	2,318	July 3, 1942	.22	.32	14.43	10.30	3.62	.90	.12	.03	.54
182	Bill Bryant	Spring	Aug. 6, 1942	5.46	.40	.34	5.00	.33	.43	.34	.25	5.86
195	City of Richardson	1,947	July 3, 1942	.20	.12	12.77	2.30	2.54	.55	.06	.04	.32
217	Walnut Hill School	635	Aug. 25, 1942	.20	.12	43.01	15.20	9.63	18.33	.17	-	.32
230	A. and Rex McCullough	380	July 24, 1942	1.12	.22	35.35	14.30	3.54	19.74	.18	.03	1.34
252	City of Highland Park no. 1	2,700+	June 25, 1942	10.20	7.06	135.82	5.60	140.81	6.54	.13	0	17.26
263	Buckner Orphans Home	1,600+	June 22, 1942	.47	.16	24.20	10.42	9.14	3.89	.17	.01	.63
285	City of Dallas no. 37	2,921	June 18, 1942	.40	.23	16.57	8.20	5.27	2.55	.14	.01	.63
300	Dallas County Fresh Water Dist. no. 1	557	Aug. 12, 1942	.60	.12	19.73	2.50	3.32	2.45	.06	.02	.72
303	The Texas Co. no. 3	2,435	July 1, 1942	.44	.42	19.34	7.90	10.01	2.23	.06	0	.96
305	The Texas Co. no. 4	1,392	do.	.22	.32	14.33	8.80	4.62	1.33	.07	0	.54
322	Dallas Power and Light Co.	570	July 3, 1942	.38	.72	25.59	10.30	10.01	5.73	0	.10	1.10
330	Union Terminal Co.	2,675	June 30, 1942	.42	.22	17.54	0.00	6.55	2.54	.05	.04	.74
334	Adolphus Hotel	1,660	July 10, 1942	.50	.12	24.54	10.30	9.70	4.45	.15	.05	.62
353	St. Paul's Hospital	920	July 9, 1942	.32	.22	25.87	10.70	10.40	5.10	.15	.06	.54

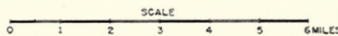


— EXPLANATION —

- WELL WITH HAND PUMP, BUCKET OR BAILER
- ◊ WELL WITH WINDMILL OR SMALL POWER PUMP
- ⊙ WELL WITH PUMPING PLANT — 5 HORSE POWER OR LARGER
- ◇ UNUSED WELL
- FLOWING WELL
- ◊ WELL DRILLED TO TEST FOR OIL OR GAS
- SPRING
- STATE HIGHWAY
- U.S. HIGHWAY



MAP OF DALLAS COUNTY, TEXAS
SHOWING WATER WELLS AND SPRINGS



TEXAS BOARD OF
WATER ENGINEERS
IN COOPERATION WITH
U.S. GEOLOGICAL SURVEY

BASE COMPILED FROM
HIGHWAY PLANNING SURVEY COUNTY ROAD MAP
AND FIELD NOTES

MAP OF CITY OF DALLAS

FOR EXPLANATION SEE PLATE 1.

