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STATE BOARD OF WATER ENGINEERS

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LEE COUNTY, TEXAS

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

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WORKS PROGRESS ADMINISTRATION

GROUND-WATER SURVEY

PROJECT 3763

W. I. Clark, Jr.

Project Superintendent

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

WORKS PROGRESS ADMINISTRATION

PROJECT 6507-5112

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

* * * *

Austin, Texas

Nov. 10, 1937

Introduction
by
Samuel F. Turner
Associate Hydraulic Engineer
U. S. Geological Survey

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

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

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

The field work in Lee County was started on February 2, 1937, and completed on March 24, 1937. This work was done as Project 3763 of District 9 of the Works Progress Administration, Austin, Texas. W. I. Clark, Jr., an engineer, was project superintendent. Mr. Clark should be given credit for the extra hours he spent on the project and for his interest in the work. The office of the Works Progress Administration in the Austin District made this work possible by constant help and cooperation.

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

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

Records of wells and springs in Lee County, Texas

(All wells are drilled or bored unless otherwise indicated in "Remarks" column.)

(See "Logs of W. P. A. test wells" for all records of test wells.)

No.	Distance from Lexington	Survey	Owner	Driller	Date completed	Temperature (°F.)	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
d/ 1	18½ miles west	J. D. Jamison	J. H. Rister	Sayre Oil Co.	1933	--	3,128	--	--
2	12½ miles west	--	G. Allen	--	--	66	Spring	--	--
d/ 3	12 miles west	Wm. Johnson	W. L. Bostic	D. H. Byrd	1930	--	3,752	--	--
5	9½ miles southwest	--	George Darden	--	--	69	Spring	--	--
6	9 miles southwest	--	do.	--	--	--	Spring	--	--
7	8½ miles southwest	--	August Dube	--	1915	74	52	8	0
8	9½ miles southwest	A. C. Dodd	S. Otto Richter	--	1917	72	90	8	0.5
10	10 miles south	L. P. Ruckers	Garret Urban	L. Kluge	1918	72	100	4	1
11	7 miles southwest	--	W. E. Beckor	--	Old	--	35	8	0.5
12	6½ miles southwest	J. Hudson	Mrs. H. Schubert	--	1917	71	105	8	0.5
13	7½ miles southwest	H. Donahoo	Andrews Estate	--	--	--	Spring	--	--
14	6½ miles southwest	do.	J. H. Patschko	--	--	--	Spring	--	--
15	7 miles southwest	do.	Andrews Estate	--	--	--	Spring	--	--
16	8½ miles southwest	--	Sherman Estate	--	--	62	Spring	--	--
17	9 miles west	--	R. C. Sanders	--	1925	--	20	30	2
18	8½ miles west	--	S. Sanders	--	--	--	Spring	--	--
d/ 19	9 miles west	Jos. Maximillian	R. C. Sanders	H. O. Rickets	1927	--	1,124	--	--
20	do.	W. Harrison	J. R. Bounds	--	1912	--	31	36	3
21	8½ miles west	do.	do.	J. R. Bounds	1936	--	11	30	2
22	6½ miles west	J. C. Hunter	W. T. Jonson	W. T. Jonson	1915	--	44	36	3.5
d/ 23	4½ miles west	George Darc	W. H. Thomas	Harts & Beaven	1930	--	2,600	--	--
24	5½ miles west	--	Leo Frede	--	1920	--	37	30	1
25	6½ miles west	--	M. Fisher	--	1916	--	51	30	3
26	5 miles southwest	N. Crunk	Otto Lerche	--	Old	--	15	50	2

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

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

No.	Water Level		Pump and power b/	Use of water c/	Topographic situation	Remarks
	Depth below measuring point (feet)	Date of measurement				
1	--	--	None	N	--	Oil test. See log.
2	Flows	Mar. 8, 1937	--	D,S	Head of draw	Estimated flow, 2 gallons a minute from several openings in sandstone. Known locally as Knobbs Spring.
3	--	--	None	N	--	Oil test. See log.
5	Flows	Feb. 23, 1937	None	S	Bank of draw	Estimated flow, 5 gallons a minute from 1 opening in sandstone. Known locally as Darden Spring.
6	Flows	do.	None	S	Head of narrow draw	Estimated flow, 5 gallons a minute from several openings in red sandstone.
7	40	e/	C,W	D,S	Hillside	Concrete curb; vitrified clay casing. See log.
8	53	e/	C,W	D,S	Hilltop	Vitrified clay casing. Owner reported never fails in drought.
10	61.8	Feb. 15, 1937	C,-	S	Small hill-top	Iron casing. Water reported in dark blue sand, 84-100 feet. Owner reported never fails in drought.
11	19	e/	C,W	D,S	Hillside	Concrete curb; vitrified clay casing. Water reported in fine sand. Owner reported never fails in drought.
12	92	e/	C,W	D,S	Top of red clay hill	Do.
13	Flows	Feb. 23, 1937	None	S	Head of draw	Estimated flow, 20 gallons a minute from several openings in white sand.
14	Flows	do.	None	D,S	Hillside	One opening in white sand. Known locally as Patschke Spring.
15	Flows	do.	None	S	Valley between sand hills	Estimated flow, 30 gallons a minute from 1 opening in coarse, white sand. Known locally as Black Spring.
16	Flows	do.	None	D,S	Head of small draw	Estimated flow, 5 gallons a minute from 1 opening in yellow sandstone. Known locally as Sherman Spring.
17	13.8	Feb. 19, 1937	B,H	D,S	Side of sand hill	Dug well. Brick curb; 10 foot brick casing and 10 foot concrete casing.
18	Flows	Mar. 16, 1937	--	D,S	Head of draw	Estimated flow, 2 gallons a minute from 1 opening in sand. Known locally as King Spring.
19	--	--	None	N	Valley	Oil test. See log.
20	22.7	Feb. 19, 1937	B,H	S	Top of sand hill	Dug well. Galvanized zinc curb; 8 feet brick casing at bottom.
21	10.7	do.	B,H	D	Steep hillside	Dug well. Concrete curb; concrete casing, top to bottom. Owner reported fails in dry seasons. Water in fine, yellow sand.
22	31.4	do.	B,H	D,S	Top of sand ridge	Dug well. Wood curb; 11 feet wood casing at top. Owner reported never fails in drought. Water in blue, sandy clay.
23	--	--	None	N	--	Oil test. See log.
24	16.3	Mar. 16, 1937	C,W	D,S	Hilltop	Dug well. Vitrified clay casing. Owner reported never fails in drought. Water in coarse, white sand.
25	24	do.	B,H	S	Level	Dug well. Brick curb and casing. Owner reported never fails in drought. Water in sand.
26	14.8	Feb. 16, 1937	B,H	D,S	Flat ridge-top	Do.

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

d/ No water sample collected for analysis.

e/ Water level reported.

Records of wells and springs in Lee County--Continued

No.	Distance from Lexington	Survey	Owner	Driller	Date completed	Temperature (°F.)	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
27	5½ miles south	L. Leberg	H. A. Woodward	--	--	58	Spring	--	--
29	5½ miles southeast	do.	Dr. -- York	--	1918	70	231	4	1
30	5 miles south	do.	H. A. Woodward	--	1914	71	235	4	--
31	do.	do.	Dr. -- York	--	1918	69	145	4	2
33	4 miles southcast	R. McNidt	Mollie Smith	--	1912	--	20	36	2
34	3½ miles south	J. Henderson	Savanah Dunlap	--	1919	--	20	36	2
35	2 miles southeast	--	Joe Parker	--	Old	--	30	30	3
36	1 mile southwest	James Shaw	--	--	1925	--	25	36	0
37	At Lexington	--	S. D. Harlan	-- Fisher	1935	73	135	6-5/8	1
38	¼ mile west	James Shaw	C. W. Raschke	--	Old	--	16	36	3
39	2¼ miles west	--	Thomas Thompson	--	Old	--	49	48	3
40	2½ miles west	--	do.	--	--	--	Spring	--	--
41	4 miles west	--	J. S. Wagner	--	1925	--	19	48	2
42	2¼ miles west	P. T. Curncil	C. H. Guthrie	C. H. Guthrie	1907	--	55	36	3
44	¾ mile northeast	S. Collum	S.A.& A.P. R.R.Co.	--	--	--	884	10	0
45	2¼ miles north	Thos. Morrow	-- Hicks	Watt Rolan	1934	60	13	36	2
46	do.	do.	R. L. Peebles	--	Old	71	44	36	3
47	6½ miles northwest	S. S. Curtiss	Arthur Clare	--	--	--	Spring	--	--
48	7 miles northwest	--	Mrs. L. R. Byrum	--	1932	--	--	36	3
49	6 miles northwest	--	V. M. Alfrifton	--	1922	68	46	36	3
50	6 miles north	P. Praytor	W. E. Gaither	--	1934	--	14	30	1
51	5½ miles north	do.	L. M. Johnson	--	1935	--	46	--	--
52	6 miles north	do.	J. A. Treadwell	--	1935	66	19	30	3

W. I. Clark, Jr., Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Topographic situation	Remarks
	Depth below measuring point (feet)	Date of measurement				
27	Flows	Feb. 8, 1937	None	S	Valley in sand hills	Estimated flow, 3 gallons a minute from 1 opening in sand. Reported never fails in drought.
29	Flows	Feb. 3, 1937	--	D,S	Valley	Estimated flow, 1 gallon a minute from fine, blue sand.
30	Flows	Feb. 8, 1937	--	D,S	do.	Steel casing. Estimated flow, 10 gallons a minute from fine sand. Originally an open well.
31	Flows	Feb. 3, 1937	--	S	do.	Steel casing, top to bottom. Estimated flow, 6 gallons a minute from fine, blue sand.
33	16.5	Feb. 8, 1937	E,H	D,S	Gentle slope	Dug well. Wood curb; brick casing. Owner reported never fails in drought. Water in blue sand.
34	12.4	do.	B,H	D,S	do.	Do.
35	20.5	Mar. 16, 1937	B,H	S	Valley	Dug well. Wood curb; rock casing. Owner reported never fails in drought. Water in fine sand.
36	10	Feb. 16, 1937	B,H	D,S	Hillside	Dug well. Brick curb and casing. Tenant reported never fails in drought. Water in fine sand.
37	86	e/	C,E,2	P	Gentle slope	Steel casing, top to bottom. See log. drought. Water in fine sand.
38	15.3	Feb. 19, 1937	B,H	D,S	Hillside	Dug well. Wood curb; brick casing. Tenant reported fails in dry seasons. Water in sandy, red clay.
39	42.1	Mar. 16, 1937	B,H	S	Hilltop	Dug well. Wood curb; 17 feet brick casing at top. Tenant reported never fails in drought. Water in sand.
40	Flows	do.	None	S	Head of draw	Estimated flow, 5 gallons a minute from 1 opening in sandstone. Reported never fails in drought.
41	14.3	do.	B,H	--	Top of sand ridge	Dug well. Wood curb; concrete casing, top to bottom. Owner reported never fails in drought. Water in coarse sand.
42	50.1	Feb. 19, 1937	B,H	D,S	Hilltop	Dug well. Wood curb and casing. Owner reported never fails in drought. Water in fine, gray sand, 50-55 feet.
44	70.2	Mar. 9, 1937	None	--	Valley	Steel casing. Formerly supplied railroad. See log.
45	6.2	Mar. 12, 1937	B,H	D	Hilltop	Dug well. Wood curb; 4 feet wood casing at top. Tenant reported never fails in drought. Water in fine, white sand, 10-13 feet.
46	38.4	do.	B,H	D,S	Hillside	Dug well. Wood curb; 30 feet rock casing at top. Owner reported never fails in drought. Water in sandstone, 30-44 feet.
47	Flows	Feb. 19, 1937	None	S	do.	Estimated flow, 3 gallons a minute from several openings in sand.
48	4.9	do.	B,H	D,S	do.	Dug well. Wood curb; 3 feet wood casing at top. Tenant reported never fails in drought. Water in fine sand.
49	31.7	Mar. 12, 1937	B,H	D,S	Ridgetop	Dug well. Concrete curb and casing. Owner reported never fails in drought. Water in fine sand.
50	7	do.	B,H	D	Gentle slope	Do.
51	46	do.	B,H	D	do.	Dug well. Wood curb and casing. Tenant reported never fails in drought. Water in fine, gray, micaceous sand.
52	13.3	Mar. 11, 1937	B,H	D	Ridgetop	Dug well. Brick and concrete curb; concrete casing. Owner reported never fails in drought. Water in fine, yellow sand.

Records of wells and springs in Lee County--Continued

No.	Distance from Lexington	Survey	Owner	Driller	Date completed	Temperature (°F.)	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
d/ 53	5 miles northeast	D. Hudson	C. A. Turner	J. E. Pederson	1936	--	6,560	--	--
54	4 $\frac{1}{4}$ miles northeast	do.	Mrs. J. J. Brown	--	1917	72	48	36	0
d/ 55	1 $\frac{1}{2}$ miles east	S. Collum	C. Hartfield	F. F. Foster	1922	--	3,300	10	--
56	1 $\frac{1}{2}$ miles east	do.	do.	--	Old	--	32	30	3
57	2 $\frac{1}{2}$ miles east	--	A. R. Urbanke	--	Old	--	--	36	3
58	3 $\frac{1}{2}$ miles east	J. Dunn	C. C. Perry	--	--	--	Spring	--	--
d/ 59	do.	S. Marshall	Perry Estate	--	--	--	Spring	--	--
60	3 $\frac{1}{4}$ miles east	do.	do.	--	--	--	Spring	--	--
61	3 $\frac{1}{4}$ miles southeast	do.	Mrs. R. F. Thomas	--	Old	--	19	36	3
62	4 $\frac{1}{2}$ miles southeast	R. Teal	Sam Peobles	--	--	--	Spring	--	--
63	5 miles southeast	--	Eggert Milburn	H. Goddson	Old	--	51	8	2
64	5 $\frac{1}{2}$ miles southeast	--	Henry Knox	--	1929	--	10	36	3
66	5 miles east	J. Furnash	A. Hannes Estate	--	--	--	Spring	--	--
67	5 $\frac{1}{2}$ miles east	J. F. Johnson	Joe Fowler	--	Old	--	30	30	3
68	6 miles east	J. Furnash	Lee County	--	--	--	Spring	--	--
69	7 miles east	J. W. Johnson	Homer Douglas	--	Old	70	45	30	3
70	7 $\frac{1}{2}$ miles east	L. Moore	Sam Peebles	--	Old	--	31	30	3
71	do.	G. Green	do.	--	--	--	Spring	--	--
72	do.	L. Moore	do.	--	1919	79	--	6	--
73	6 miles northeast	Ira Clemens	W. H. Rhodes	W. H. Rhodes	1929	67	27	30	0
75	8 miles northeast	--	Frank Brown	--	1935	--	44	30	1
76	6 $\frac{1}{2}$ miles northeast	D. Hudson	J. C. Roberts	--	--	--	Spring	--	--
77	7 miles northeast	do.	T. T. Cook	--	--	--	Spring	--	--

W. I. Clark, Jr., Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Topographic situation	Remarks
	Depth below measuring point (feet)	Date of measurement				
53	--	--	--	--	Hillside	Oil test. See log.
54	43.3	Mar. 11, 1937	C,W	D,S	Ridgetop	Dug well. Brick curb and casing. Owner reported never fails in drought. Water in
55	Flows	Feb. 24, 1937	None	--	Level	Oil test. See log. Plug at fine sand. top now prevents flow.
56	17.9	do.	B,H	D,S	Gentle slope	Dug well. Wood curb; rock casing. Reported never fails in drought. Water in fine
57	23.8	Feb. 17, 1937	B,H	--	Shallow valley	Dug well. Wood curb; rock casing. sand. Water reported by owner in sand and fos-
58	Flows	do.	None	S	Head of small draw	Flows from several open- siliferous rock. ings in green, sandy clay and glauconitic
59	Flows	Feb. 18, 1937	None	S	do.	Flows from several openings in sandstone. yellow glauconitic, fossiliferous sand-
60	Flows	do.	None	S	do.	Do. stone.
61	15	Feb. 19, 1937	B,H	--	Side of sand hill	Dug well. Wood curb; brick casing. Tenant reported never fails in drought. Water in
62	Flows	Feb. 18, 1937	None	S	Bottom of draw	Flows from several openings in fine sand. sand.
63	12.4	do.	B,H	D,S	--	Vitrified clay casing. Tenant reported never fails in drought. Water in fine
64	6.9	do.	B,H	D,S	Top of sand ridge	Dug well. Wood curb; brick casing. sand. Tenant reported never fails in drought.
66	Flows	Feb. 17, 1937	None	S	Draw	Estimated flow, 2 Water in white sand. gallons a minute from several openings in
67	14.3	do.	B,H	D,S	Ridgetop	Dug well. Wood sandy, dun-colored clay. curb; rock casing. Tenant reported never fails in drought. Water in fine sand.
68	Flows	do.	C,H	D,S	Head of draw	Estimated flow, 2 gallons a minute from 1 opening in yellow, glauconitic sandstone.
69	15.9	do.	B,H	D,S	Ridgetop	Dug well. Wood curb; brick casing. Tenant reported never fails in drought. Water in
70	28.6	Feb. 24, 1937	B,H	D,S	Side of sand ridge	Dug well. Wood curb; brick brown sand. casing. Reported never fails in drought.
71	Flows	do.	None	--	Flat marsh	Flows from sev- Water in fine, yellow sand. eral openings in yellow sand.
72	Flows	do.	None	S	Slope above marsh	Steel casing. Measured flow, 10 gallons a minute.
73	23.4	Mar. 11, 1937	B,H	D	Hilltop	Dug well. Brick curb and casing. Owner reported never fails in drought. Water in fine, tan-colored sand.
75	38.6	do.	B,H	D,S	Top of sandy ridge	Dug well. Concrete curb and casing. Owner reported never fails in drought. Water in fine, tan-colored sand.
76	Flows	do.	None	D,S	Head of draw	Estimated flow, 30 gallons a minute from several openings in fine, white sand.
77	Flows	do.	None	S	do.	Estimated flow, 3 gallons a minute from several openings in fine, white sand. Reported flow stops in extreme drought.

Records of wells and springs in Lee County--Continued

No.	Distance from Giddings	Survey	Owner	Driller	Date completed	Temperature (°F.)	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
101	9 miles northwest	W. P. Kerr	August Pillack	Max Schindler	1917	--	70	8	1
102	7 miles west	J. Waddington	Ernst Dagerath	-- Penchick	1917	72	185	4	1
103	6 miles southwest	A. C. Delaplane	P. O. Gersch	--	1925	--	22	36	2
d/104	8½ miles southwest	D. G. Green	Herman Bigon	Adolph Wachmann	1925	--	105	8	0
106	4¾ miles southwest	A. C. Delaplane	Ben Urban	Lehman Bros.	1926	76	203	3	1
108	6 miles south	Wm. Lewis	Henry Bamseh	--	1925	72	280	4	0.5
109	5 miles southeast	W. Newford	A. A. Wagner Estate	Adolph Wachmann	1925	58	126	8	1
d/110	¼ mile south	--	O. Raube	--	Old	--	315	4	1
d/111	¼ mile southwest	--	C. A. Hannes	--	1896	--	295	2½	0
112	¼ mile northwest	--	City of Giddings	Layno-Texas Co.	1935	94	1,354	13- 5/8	0
113	½ mile northwest	--	do.	do.	1931	94	1,364	12	0
d/114	do.	--	Giddings Compress Co.	--	1909	--	301	--	--
115	3½ miles northwest	--	Gus Kriegel	Lowie Kluger	1918	73	308	4	1
117	6 miles northwest	J. J. Licndo	M. Kisman Estate	--	Old	--	32	30	1
118	7½ miles northwest	John Brown	Alvin Brado	--	1910	--	70	8	--
119	9 miles northwest	Wm. H. Irion	John Kiscnek	--	Old	--	31	36	1
120	6½ miles northwest	J. J. Licndo	Paul Richski	--	Old	--	60	30	2
122	8 miles north	--	H. B. Kronik	--	1925	--	57	8	1
123	6 miles north	A. Kuykondall	E. Schulze	--	Old	--	19	30	2
124	do.	do.	Garrett Killian	--	Old	--	120	8	1
125	do.	E. Kennerly	A. J. Milburn	--	1927	72	125	8	1
126	5 miles northeast	M. Sparks	Ben Bonol	--	1927	--	35	8	3

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

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

W. I. Clark, Jr., Project Superintendent

No.	Water Level		Pump and power	Use of water	Topographic situation	Remarks
	Depth below measuring point (feet)	Date of measurement				
101	49	Feb. 18, 1937	C,W	D,S	Hilltop	Vitrified clay casing. Owner reported never fails in drought. Water in fine, blue sand, 40-70 feet.
102	45	e/	C,W	--	do.	Concrete curb; steel casing. Water in fine, blue sand.
103	12.2	Feb. 24, 1937	B,H	D,S	Valley	Dug well. Brick curb and casing. Owner reported never fails in drought. Water in
104	15	c/	C,W	D,S	Small hill-top	Concrete curb; vitrified clay casing. Water in blue sand. gray sand.
106	100	c/	C,W	D,S	do.	Galvanized iron casing. Water in gray sand.
108	70	c/	C,W	D,S	Hilltop	140 feet steel casing at top. Water in fine, blue sand.
109	100	e/	C,W	D,S	do.	Concrete curb; vitrified clay casing. Water in fine, blue sand.
110	90	e/	C,W	D	Level	Steel casing.
111	90	e/	None	N	do.	Galvanized iron casing. Water in fine, silty sand. Formerly supplied city.
112	160	e/	T,E, 30	P	High, flat ridge	Concrete curb; 134 feet of 6-inch casing at bottom lapped 72 feet into 1,292 feet of 13-5/8-inch casing at top. Measured yield, 293 gallons a minute. See log.
113	160	e/	T,E, 30	P	do.	Concrete curb; 596 feet of 6-inch casing at bottom lapped 64 feet into 570 feet of 8-inch casing below 262 feet of 12-inch casing at top. Estimated yield, 275 gallons
114	90	e/	--	--	Level	a minute.
115	41	e/	C,W	D,S,I	Side of low ridge	Steel casing, top to bottom. Water in yellow, fossiliferous sandstone. Irrigates
117	21.3	Mar. 4, 1937	C,W	--	Ridgetop	Dug well. Brick curb and casing. Reported never fails in drought. small garden.
118	65	e/	C,W	D,S	do.	Concrete curb; clay casing. Owner reported never fails in drought. Water in sand above rock. Water in sand.
119	23.8	Feb. 16, 1937	B,H	D,S	Flat ridge-top	Dug well. Brick curb and casing. Tenant reported never fails in drought. Water in
120	31.2	Feb. 4, 1937	C,W	D,S	Gentle slope	Dug well. Brick curb and casing. Tenant reported never fails in drought. Water in fine sand. hard, yellow sandstone.
122	36.9	do.	B,H	D,S	do.	Vitrified clay casing. Tenant reported never fails in drought. Water in fine sand.
123	12.1	do.	B,H	D	do.	Dug well. Brick curb and casing. Owner reported never fails in drought. Water in
124	55.4	do.	C,W	S	Small ridgetop	Vitrified clay casing. Water in fine sand. fine sand.
125	97	e/	C,W	D,S,I	do.	Concrete curb; vitrified clay casing. Water reported in fine, blue sand.
126	12.5	Feb. 4, 1937	B,H	S	do.	Wood curb; vitrified clay casing. Owner reported never fails in drought. Water in sand.

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

d/ No water sample collected for analysis.

e/ Water level reported.

Records of wells and springs in Lee County--Continued

No.	Distance from Giddings	Survey	Owner	Driller	Date completed	Temperature (°F.)	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)	a/
d/128	2 miles east	J. D. G. Warrellmann	R. W. Milburn	--	1925	--	186	3	1	
130	6½ miles southeast	--	Max Zeis	L. Kluger	1925	--	185	4	1	
131	8 miles east	--	J. H. Lehman	Walter Rinn	1929	69	110	6	--	
132	9 miles east	F. Boatwright	Walter G. Lehman	do.	1928	71	82	4	0.5	
133	9½ miles east	do.	Robert Levy	--	--	--	Spring	--	--	
134	10 miles east	do.	E. H. Lehman	Walter Rinn	1925	71	106	3	0.5	
135	do.	do.	do.	--	1891	--	36	30	2	
136	8 miles east	J. B. Crosby	O. R. Siegmund	Walter Rinn	1930	--	100	3	1	
137	8½ miles east	F. Boatwright	H. T. Griffin	--	Old	72	88	8	2	
138	9½ miles northeast	J. F. Mancha	Ellen Branch	John Branch	1927	--	305	8	2	
139	10½ miles northeast	do.	John Tate	--	--	50	Spring	--	--	
140	8½ miles northeast	T. S. Hinds	R. McCoy	--	1925	--	39	40	3	
141	7 miles north	do.	Levi Davis	--	1925	--	70	8	1	
143	do.	--	Rosie Matthijetz	--	Old	--	20	30	2	
144	7½ miles north	--	O. C. York	--	1902	77	700	8	6	
145	9 miles north	--	do.	Aleck Goodson	1929	--	110	8	2	
146	9½ miles north	--	A. L. Knippa	A. L. Knippa	Old	--	16	36	2	
148	10 miles north	G. W. Grimes	John Wilburn	John Wilburn	1918	--	32	36	2	
149	11 miles north	John Dupuy	T. C. Crothers	--	--	--	Spring	--	--	
150	do.	W. H. Bynum	State Highway Dept.	--	--	--	Spring	--	--	
151	10½ miles north	S. Cates	A. Kiege	--	Old	--	45	14	1	
152	do.	do.	John Wilburn	--	Old	--	23	36	2	
153	12 miles north	Thomas Bird	First-Trust Joint Stock Land Co., Chicago	--	1895	--	52	8	3	
154	9½ miles north	--	E. Schultz	--	1933	--	18	8	1	

W. I. Clark, Jr., Project Superintendent

No.	Water Level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Topographic situation	Remarks
	Depth below measuring point (feet)	Date of measurement				
128	145	e/	C,W	D,S	Level	Steel casing. Water in blue sand, 175-186 feet. First water sand at 122 feet.
130	90	e/	C,W	S	Hilltop	Steel casing. Water in fine, blue sand.
131	60	e/	C,W	D,S	Level	Galvanized iron casing, top to bottom. Water in fine, blue sand, 90-110 feet.
132	65	e/	C,W	S	Side of low ridge	Galvanized iron casing, top to bottom. Water in hard, blue sand, 68-62 feet.
133	Flows	Feb. 10, 1937	None	N	Head of small draw	Estimated flow, 1 gallon a minute from 3 openings in dark sand.
134	46	e/	C,W	S	Flat ridge-top	Galvanized iron casing, top to bottom. Water in fine, blue sand, 100-106 feet.
135	33.2	Feb. 10, 1937	B,H	D	Top of sand ridge	Dug well. Brick curb; 6 feet brick casing at top. Owner reported never fails in drought. Water in white sand.
136	50	e/	C,W	D,S	Level	Steel casing. Water in fine, blue sand.
137	49.6	Mar. 1, 1937	B,H	D,S	Ridgetop	Vitrified clay casing. Owner reported never fails in drought. Water in fine sand.
138	23.1	do.	B,H	--	do.	Vitrified clay curb and casing. Water in gray sand.
139	Flows	do.	None	D,S	Hillside	Estimated flow, $3\frac{1}{2}$ gallons a minute from 1 opening in fine sand, sandstone, and gravel.
140	39.9	do.	B,H	D	do.	Dug well. Brick curb and casing. Owner reported never fails in drought. Water in
141	42.2	Feb. 12, 1937	B,H	D,S	Hilltop	Vitrified clay curb and casing. sand. Tenant reported never fails in drought. Water in fine, blue sand.
143	18.9	Feb. 4, 1937	B,H	D	Gentle slope	Dug well. Brick curb and casing. Owner reported never fails in drought. Water in
144	Flows	Feb. 3, 1937	None	S	Creek bank	300 foot steel casing at top. Estimated flow, 20 gallons a minute. Water reported in fine sand. Originally an oil
145	42.9	do.	B,H	D,S	Slope	Vitrified clay curb and casing. test. Water in fine, blue sand.
146	5.7	do.	B,H	S	Gentle slope	Dug well. Brick curb and casing. Owner reported never fails in drought. Water in
148	20.2	do.	B,H	S	Valley	Dug well. Wood curb; fine, blue sand. brick casing. Owner reported never fails in drought. Water in black, sandy shale.
149	Flows	Feb. 18, 1937	None	D,S	Side of sand ridge	Estimated flow, 1 gallon a minute from 1 opening in white sand.
150	Flows	Feb. 11, 1937	None	S	do.	Estimated flow, 1 gallon a minute from several openings in fine sand.
151	33	e/	C,H	D,S	Knolltop	Dug well. Wood curb and casing. Tenant reported never fails in drought. Water in
152	12.4	Feb. 3, 1937	B,H	D,S	Valley	Dug well. Stone curb; brick fine sand. casing. Tenant reported never fails in drought. Water in fine sand.
153	50.2	Feb. 12, 1937	B,H	--	Slope	Vitrified clay casing. Tenant reported never fails in drought. Water in fine sand.
154	10.1	do.	B,H	--	Top of sand hill	Vitrified clay casing. Owner reported never fails in drought. Water in fine sand.

Records of wells and springs in Lee County--Continued

No.	Distance from Giddings	Survey	Owner	Driller	Date completed	Temperature (°F.)	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
155	11 miles northeast	Thomas Bird	M. Buchorn	--	1929	--	18	30	2
156	11½ miles northeast	T. Birch	Lee County	--	--	--	Spring	--	--
157	do.	S. F. Austin	F. Hannes	--	Old	71	30	8	1
158	10 miles northeast	W. A. Sorsby	P. P. Stanley	--	Old	72	135	8	1
159	11 miles northeast	G. B. Loftin	H. W. Allen	-- Fisher	1935	72	109	4	0
160	10 miles northeast	--	Dr. J. T. Obar	--	1929	72	112	8	1
161	11 miles northeast	C. Laurence	Kelley Oliver	--	Old	73	185	8	1
162	11½ miles northeast	do.	Antioch School	--	1927	73	135	8	2
163	13 miles east	B. M. Hatfield	M. A. Hayden	--	Old	--	26	36	1.5
164	14 miles northeast	T. W. Ward	Post Oak School	--	1927	68	30	30	3
165	16 miles northeast	H. Best	A. H. Kuhn	--	--	60	Spring	--	--
166	12½ miles northeast	C. Laurence	Mrs. W. E. Black Estate	--	Old	72	120	8	1
167	do.	do.	-- Selke	--	Old	72	53	8	2
168	13 miles northeast	do.	Geo. Black Estate	--	--	53	Spring	--	--
169	do.	J. Y. Wallace	Ed. Collins	--	1923	69	36	8	3
d/170	do.	S. F. Austin	-- Beaman [ana Prod. & Carbon Co.]	Texas-Louisiana	1929	--	3,687	--	--
171	13½ miles northeast	--	City Water Co.	--	1915	79	460	4	0
172	15½ miles northeast	S. F. Austin	F. D. Simek	E. F. Gardner	1926	77	380	4	0
173	16 miles northeast	do.	H. & T. C. Ry. Co.	--	1922	73	335	4	--
174	13 miles north	do.	Martin Mallinak	--	Old	--	44	30	1
175	13½ miles north	Niels Peterson	H. Hannes	Aleck Goodson	1926	--	28	8	1
176	15½ miles north	H. Griffith	J. F. Kocurek	--	1891	--	32	36	1
177	do.	do.	do.	--	--	63	Spring	--	--

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

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

W. I. Clark, Jr., Project Superintendent

No.	Water Level		Pump and power	Use of water	Topographic situation	Remarks
	Depth below measuring point (feet)	Date of measurement				
155	13.7	Feb. 12, 1937	B,H	D,S	Top of sandy ridge	Dug well. Wood curb and casing. Owner reported never fails in drought. Water in
156	Flows	do.	None	D,S	Slope	Seeps from one white sand, 16-18 feet. opening in sand.
157	41.4	do.	C,H	D,S	Gentle slope	Vitrified clay casing. Tenant reported never fails in drought. Water in blue sand.
158	47.5	Mar. 2, 1937	B,H	D,S	Hilltop	Vitrified clay curb and casing. Water in fine sand.
159	52	e/	C,W	D,S	do.	Concrete curb; steel casing. Water in fine, blue sand.
160	72.2	Mar. 1, 1937	B,H	D,S	do.	Vitrified clay casing. Water in fine sand
161	88	do.	B,H	D,S	do.	Do.
162	60.3	do.	B,H	D	Gentle slope	Do.
163	24.6	Feb. 10, 1937	B,H	D,S	Side of ridge	Dug well. Stone curb; 4½ foot stone casing at top. Tenant reported never fails in drought. Water in porous sand rock.
164	29.4	do.	B,H	D	Sand flat below ridge	Dug well. Brick curb; 13 foot brick casing. Reported never fails in drought. Water in
165	Flows	do.	None	D,S	Ridgetop	Estimated flow, 3 gallons a minute from 1 opening in sandstone. Known as Williams Spring. Reported never fails
166	84.1	do.	B,H	D,S	Side of ridge	Vitrified clay curb and casing. Water in fine sand, 108-120 feet. in drought.
167	47.2	Mar. 2, 1937	B,H	D,S	Hilltop	Vitrified clay casing. Tenant reported never fails in drought. Water in fine, blue
168	Flows	do.	None	D	Head of small draw	Seeps from 1 opening in fine sand. Reported never fails in drought. sand.
169	14.8	do.	B,H	D,S	Top of small knoll	Vitrified clay casing. Owner reported never fails in drought. Water in fine, blue
170	--	Mar. 19, 1937	--	--	--	Oil test. See log. sand, 34-35 foot.
171	39	e/	C,G, 4½	P	Level	Iron casing. Water in fine, silty, blue sand.
172	Flows	e/	None	D,S	Low hilltop	Iron casing. Estimated flow, 6 gallons a minute. Water in fine, silty sand.
173	Flows	Feb. 12, 1937	None	Ind	Steep slope above lake	Concrete curb; iron casing. Estimated flow, 63 gallons a minute. Water in fine
174	28.9	do.	C,W	D,S	Gentle slope below ridge	Dug well. Brick curb and casing. sand. Owner reported never fails in drought. Water in soft, porous, sandy rock.
175	5	e/	C,H	D	Near bottom small valley	Vitrified clay casing. Reported pumps dry in 2 hours; refills in 3 hours. Never fails in drought. Water in soft, yellow,
176	26.5	Feb. 11, 1937	B,H	D,S	Small ridgetop	Dug well. Brick curb and casing. Owner reported never fails in porous rock.
177	Flows	do.	None	S	Small draw	Estimated flow, 2 gallons a minute from 3 openings in clay. drought. Water in sand

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

d/ No water sample collected for analysis.

e/ Water level reported.

Table of Drillers' Logs, Lee County, Texas

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 1</u>		
Sayre Oil Co., J. H. Rister No. 1.		
18½ miles west of Lexington		
Sand- - - - -	90	90
Sand and shale- - - - -	47	137
Sand rock - - - - -	1	138
Sandy shale - - - - -	100	238
Hard sand rock- - - - -	3	241
Lignite - - - - -	3	244
Sandy shale - - - - -	42	286
Sand rock - - - - -	2	288
Lignite - - - - -	2	290
Sandy shale - - - - -	22	312
Sand rock - - - - -	1	313
Sandy shale - - - - -	26	339
Sand rock - - - - -	1	340
Lignite - - - - -	2	342
Sandy shale - - - - -	53	395
Sand rock - - - - -	1	396
Hard sand - - - - -	44	440
Sand rock - - - - -	1	441
Sandy shale - - - - -	10	451
Sand rock - - - - -	1	452
Sand and boulders - - - - -	48	500
Hard sand - - - - -	3	503
Shale and boulders- - - - -	492	995
Green sand- - - - -	5	1000
Sandy shale - - - - -	43	1043
Sandy lime rock - - - - -	2	1045
Sticky shale- - - - -	25	1070
Sandy lime rock - - - - -	2	1072
Sticky shale- - - - -	18	1090
Lime rock - - - - -	1	1091
Sandy shale - - - - -	39	1130
Sticky shale and boulders -	70	1200
Sandy shale and boulders- -	17	1217
Sticky shale - - - - -	113	1330
Gumbo - - - - -	12	1342
Shale and boulders- - - - -	118	1460
Sticky shale- - - - -	505	1965
Gumbo - - - - -	9	1974
Sticky shale- - - - -	121	2095
Chalk - - - - -	15	2110
Sticky shale- - - - -	80	2190
Brown sandy shale - - - - -	15	2205
Hard lime - - - - -	185	2390
Chalk - - - - -	530	2920
TOTAL DEPTH - - - - -		3128

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 3</u>		
D. H. Byrd, W. M. Bostic No. 1.		
12 miles west of Lexington.		
Surface soil- - - - -	2	2
Clay and boulders - - - - -	69	71
Sand and rock - - - - -	2	73

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 3--Continued</u>		
Sand- - - - -	51	124
Sandy shale and shells- - -	249	373
Sandy shale and lignite - -	77	450
Shale - - - - -	50	500
Shale and shells- - - - -	90	590
Sandy shale - - - - -	46	636
Sand rock - - - - -	2	638
Sand- - - - -	24	662
Sandy shale and streaks of hard sand- - - - -	80	742
Sand rock - - - - -	1	743
Sandy shale and streaks of hard sand- - - - -	114	857
Sand and fine gravel- - - -	8	865
Hard sandy shale- - - - -	14	879
Sand rock - - - - -	3	882
Sticky shale and lime streaks- - - - -	81	963
Rock- - - - -	1	964
Hard shale- - - - -	24	988
Hard sand - - - - -	1	989
Hard shale- - - - -	44	1033
Rock- - - - -	2	1035
Sandy shale - - - - -	22	1057
White water sand- - - - -	15	1072
Sandy shale - - - - -	40	1112
Sand rock - - - - -	2	1114
Sticky shale- - - - -	18	1132
Sand- - - - -	34	1166
Sticky shale- - - - -	14	1180
Hard sand - - - - -	30	1210
Sandy lime- - - - -	3	1213
Sand- - - - -	59	1272
Sticky shale- - - - -	58	1330
Sand rock - - - - -	1	1331
Sandy shale - - - - -	43	1374
Sand- - - - -	40	1414
Sandy shale - - - - -	4	1418
Sand and lime - - - - -	10	1428
Sandy shale - - - - -	48	1476
Shale and lime streaks- - -	36	1512
Shale - - - - -	68	1580
Gumbo - - - - -	27	1607
Lime rock - - - - -	3	1610
Sticky shale- - - - -	42	1652
Sandy lime- - - - -	2	1654
Sticky shale- - - - -	115	1769
Hard shale and lime rock- -	16	1785
Sand- - - - -	2	1787
Hard shale and lime streaks- - - - -	123	1910
Hard shale- - - - -	104	2014
Gumbo - - - - -	18	2032

(Continued on next page)

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Table of Drillers' Logs, Lee County--Continued

		Thickness	Depth
		(feet)	(feet)
<u>Driller's log of well 3--Continued</u>			
Hard shale and lime streaks - - - - -	37		2069
Chalk- - - - -	9		2078
Sandy shale and sand streaks - - - - -	12		2090
Sand and sandy lime- - - - -	19		2109
Sandy shale- - - - -	11		2120
Hard sand- - - - -	36		2156
Sandy shale- - - - -	22		2178
Sand - - - - -	2		2180
Sticky shale - - - - -	18		2198
Sticky shale and boulders- - - - -	47		2245
Sand - - - - -	2		2247
Sticky shale and boulders- - - - -	103		2350
Hard sticky shale- - - - -	142		2492
Sticky shale- - - - -	142		2634
TOTAL DEPTH- - - - -			3752

Driller's log of well 7

August Dube. $8\frac{1}{2}$ miles southwest of Lexington.

Red and yellow clay- - - - -	10	10
Soapstone with sand veins and thin streaks of lignite - - - - -	30	40
Dark gray sand - - - - -	2	42
Clay- - - - -	5	47
Dark gray sand - - - - -	5	52
TOTAL DEPTH- - - - -		52

Driller's log of well 19

M. O. Rickets, R. C. Sanders No. 1.
9 miles west of Lexington.

Surface materials- - - - -	35	35
Shale- - - - -	35	70
Water sand - - - - -	15	85
Sandy shale- - - - -	125	210
Sand rock- - - - -	1	211
Shale- - - - -	15	226
Sandy shale- - - - -	26	252
Line rock- - - - -	3	255
Sand - - - - -	7	262
Lime rock- - - - -	1	263
Shale- - - - -	39	302
Lignite- - - - -	1	303
Shale- - - - -	52	355
Lime shell - - - - -	1	356
Shale- - - - -	69	425
Lignite- - - - -	6	431
Shale- - - - -	9	440
Sand - - - - -	69	509
Shale- - - - -	38	547
Lignite- - - - -	5	552
Shale- - - - -	18	570

		Thickness	Depth
		(feet)	(feet)
<u>Driller's log of well 19--Continued</u>			
Lime - - - - -	4		574
Sand - - - - -	138		712
Lime - - - - -	5		717
Shale- - - - -	10		727
Lignite- - - - -	1		728
Shale- - - - -	3		731
Lime - - - - -	3		734
Sand - - - - -	10		744
Lime - - - - -	4		748
Shale- - - - -	6		754
Lime - - - - -	1		755
Shale- - - - -	5		760
Lignite- - - - -	6		766
Shale- - - - -	14		780
Sand - - - - -	10		790
Shale- - - - -	8		798
Lime - - - - -	1		799
Shale- - - - -	7		806
Sand - - - - -	7		813
Lime - - - - -	20		833
Sand - - - - -	26		859
Sand and lime- - - - -	43		902
Lime - - - - -	4		906
Shale- - - - -	39		945
Brown shale- - - - -	11		956
Lime - - - - -	4		960
Sand - - - - -	3		963
Lime - - - - -	1		964
Shale- - - - -	21		985
Sand - - - - -	20		1005
Lime and shells- - - - -	7		1012
Shale- - - - -	5		1017
Sand - - - - -	45		1062
Shale- - - - -	3		1065
Sand - - - - -	25		1090
Lime - - - - -	10		1100
Shale- - - - -	22		1122
Sand - - - - -	2		1124
TOTAL DEPTH- - - - -			1124

Driller's log of well 23

Marts and Beaven, W. H. Thomas No. 1.
 $4\frac{3}{4}$ miles west of Lexington.

Surface sand and clay- - - - -	40	40
Shale- - - - -	88	128
Sand - - - - -	32	160
Sand rock- - - - -	2	162
Lignite- - - - -	30	192
Shale and boulders - - - - -	83	275
Rock - - - - -	2	277
Shale and boulders - - - - -	113	390
Sandy lime and shale - - - - -	25	415
Lime rock- - - - -	5	420

(Continued on next page)

Table of Drillers' Logs, Lee County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 23--Continued</u>		
Hard sandy lime and pyrite	260	680
Line rock- - - - -	10	690
Hard sandy shale and boulders- - - - -	15	705
Sticky shale - - - - -	20	725
Hard sandy lime- - - - -	75	800
Line and sand- - - - -	85	885
Hard lime- - - - -	5	890
Hard sandy lime- - - - -	80	970
Sandy shale- - - - -	15	985
Hard lime and shale- - - - -	12	997
Hard lime- - - - -	3	1000
Sandy lime - - - - -	17	1017
Hard lime- - - - -	3	1020
Sandy shale and boulders -	100	1120
Lime rock- - - - -	12	1132
Hard sand- - - - -	8	1140
Lime rock- - - - -	5	1145
Hard sandy shale - - - - -	20	1165
Sand showing gas and oil -	15	1180
Sandy shale- - - - -	20	1200
Gumbo- - - - -	20	1220
Lime rock- - - - -	3	1223
Sticky shale - - - - -	12	1235
Hard lime- - - - -	11	1246
Sticky shale - - - - -	14	1260
Sandy shale- - - - -	30	1290
Sand - - - - -	15	1305
Hard shale and boulders- -	60	1365
Rock - - - - -	5	1370
Hard sandy shale - - - - -	30	1400
Rock - - - - -	2	1402
Hard sandy shale - - - - -	38	1440
Sticky shale and boulders-	40	1480
Hard shale and boulders- -	45	1525
Sticky shale - - - - -	20	1545
Sandy shale and boulders -	20	1565
Sticky shale - - - - -	35	1600
Sandy shale- - - - -	20	1620
Sandy shale and boulders -	120	1740
Sticky shale - - - - -	20	1760
Rock - - - - -	2	1762
Sand - - - - -	13	1775
Hard sandy shale - - - - -	15	1790
Packed sand- - - - -	10	1800
Hard sandy shale - - - - -	20	1820
Sticky shale - - - - -	20	1840
Packed sand- - - - -	15	1855
Soft sand- - - - -	10	1865
Hard sandy shale - - - - -	15	1880
Packed sand- - - - -	20	1900
Hard sandy shale - - - - -	15	1915
Sticky shale - - - - -	45	1960
Lime rock- - - - -	3	1963

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 23--Continued</u>		
Green sand - - - - -	12	1975
Green sandy shale showing oil- - - - -	10	1985
Lime rock- - - - -	1	1986
Sandy shale- - - - -	24	2010
Sand, showing gas and oil-	10	2020
Hard sandy shale - - - - -	67	2087
Rock - - - - -	3	2090
Soft sandy shale - - - - -	60	2150
Gypsiferous shale- - - - -	20	2170
Sandy shale- - - - -	10	2180
Gypsiferous shale- - - - -	20	2200
Shale- - - - -	10	2210
Gypsiferous shale- - - - -	10	2220
Gypsum - - - - -	40	2260
Gypsiferous shale- - - - -	40	2300
Hard sandy shale - - - - -	40	2340
Hard sticky shale- - - - -	20	2360
Hard sandy shale - - - - -	13	2373
Hard lime- - - - -	2	2375
Green sandy shale- - - - -	10	2385
Gumbo- - - - -	20	2405
Hard sandy shale - - - - -	15	2420
Gumbo- - - - -	30	2450
Hard sandy shale - - - - -	20	2470
Soft gumbo - - - - -	70	2540
Sticky shale - - - - -	60	2600
TOTAL DEPTH- - - - -		2600

Driller's log of well 37
--Fisher, S. D. Harlan. At Lexington.

Red clay - - - - -	15	15
Yellow shale - - - - -	6	21
Blue gumbo - - - - -	12	33
Sandy shale- - - - -	40	73
Red sandy clay - - - - -	15	88
Green shale and glauconitic rock- - - - -	10	98
Gray carbonaceous water sand- - - - -	37	135
TOTAL DEPTH- - - - -		135

Driller's log of well 44
S. A. & A. P. R. R. Co. $\frac{3}{4}$ mile north-east of Lexington.

Conglomerate - - - - -	86	86
Yellow clay- - - - -	18	104
Fine packed sand - - - - -	11	115
Hard pyrite- - - - -	3	118
Rock and hard sand - - - - -	2	120
Packed sand- - - - -	25	145
Black shale- - - - -	20	165
Sand and shale with shells	86	251

(Continued on next page)

Table of Drillers' Logs, Lee County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 44--Continued		
Hard rock- - - - -	1	252
Gray sand water- - - - -	113	365
Gumbo- - - - -	15	380
Sand - - - - -	13	393
Fine packed sand - - - - -	55	448
Rock - - - - -	2	450
Sand with shells - - - - -	36	486
Sand water - - - - -	66	552
Rock - - - - -	1	553
Hard fine sand - - - - -	12	565
Rock - - - - -	1	566
Fine packed sand - - - - -	29	595
Shale and pyrite - - - - -	41	636
Packed sand and rock - - - - -	118	754
Hard rock - - - - -	2	756
Packed sand and rock - - - - -	26	782
Hard rock- - - - -	3	785
Sand, water- - - - -	45	830
Rock, lignite and gumbo- - - - -	54	884
TOTAL DEPTH- - - - -		884

Driller's log of well 53

J. E. Pederson, C. A. Turner No. 1.

5 $\frac{1}{2}$ miles northeast of Lexington.

Clay - - - - -	71	71
Sand and shale - - - - -	26	97
Shale and shells - - - - -	5	102
Sand - - - - -	82	134
Shells - - - - -	11	135
Shale- - - - -	13	208
Hard sand- - - - -	3	211
Sticky shale - - - - -	92	303
Rock - - - - -	1	304
Sand - - - - -	94	398
Sand and sandy shale - - - - -	102	500
Shell- - - - -	1	501
Sand and sandy shale - - - - -	225	726
Sandy shale and shells - - - - -	75	801
Rock - - - - -	3	804
Sand and lime rock - - - - -	46	850
Sticky shale - - - - -	28	878
Water sand - - - - -	30	908
Hard shale - - - - -	145	1053
Shale- - - - -	64	1117
Sand - - - - -	22	1139
Rock - - - - -	1	1140
Sandy shale- - - - -	99	1239
Lime - - - - -	4	1243
Shale and boulders - - - - -	42	1285
Hard sand- - - - -	5	1290
Sticky shale - - - - -	50	1340
Shale and boulders - - - - -	160	1500
Sandy shale- - - - -	68	1568
Rock - - - - -	2	1570

	Thickness (feet)	Depth (feet)
Driller's log of well 53--Continued		
Shale- - - - -	37	1600
Rock - - - - -	1	1601
Shale and shells - - - - -	219	1820
Hard shale - - - - -	15	1835
Sticky shale - - - - -	114	1949
Rock - - - - -	2	1951
Hard sand- - - - -	99	2050
Rock - - - - -	9	2059
Sand - - - - -	119	2178
Rock - - - - -	2	2180
Shale- - - - -	90	2270
Sand - - - - -	89	2359
Shale- - - - -	21	2380
Rock - - - - -	10	2390
Hard sand- - - - -	43	2433
Sand and shale - - - - -	14	2447
Hard rock- - - - -	9	2456
Hard sand- - - - -	19	2475
Sandy lime - - - - -	5	2480
Hard rock- - - - -	7	2487
Hard sand- - - - -	43	2530
TOTAL DEPTH- - - - -		6560

Driller's log of well 55

F. F. Foster, C. Hartfield No. 1.

1 $\frac{3}{4}$ miles east of Lexington.

Yellow clay- - - - -	45	45
Water sand - - - - -	2	47
Shale- - - - -	2	49
Water sand - - - - -	23	71
Gravel - - - - -	40	111
Water sand - - - - -	235	286
Packed sand- - - - -	68	464
Gumbo- - - - -	6	470
Shale and shells - - - - -	194	664
Water sand - - - - -	57	714
Shale- - - - -	32	736
Water sand - - - - -	74	810
Shale- - - - -	10	820
Gumbo- - - - -	3	823
Sand - - - - -	29	852
Sand and shells- - - - -	20	872
Shale- - - - -	30	902
Gumbo- - - - -	6	908
Shale and shells - - - - -	6	914
Sand rock- - - - -	4	918
Sand - - - - -	103	1021
Gumbo- - - - -	9	1030
Sand - - - - -	27	1057
Gumbo- - - - -	7	1064
Sand - - - - -	9	1073
Gumbo- - - - -	4	1077
Sand - - - - -	25	1102

(Continued on next page)

Table of Drillers' Logs, Lee County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 55--Continued		
Gumbo-	6	1108
Shale-	3	1111
Sand -	39	1150
Gumbo-	8	1158
Sand -	15	1173
Gumbo-	11	1184
Sand -	6	1190
Gumbo-	31	1221
Sand -	9	1230
Gumbo-	35	1265
Sand -	20	1285
Gumbo-	36	1321
Shale-	39	1360
Sand -	26	1386
Shale-	16	1402
Gumbo-	16	1418
Lignite-	4	1422
Sand -	8	1430
Gumbo-	10	1440
Hard water sand-	62	1502
Sand -	142	1644
Coal -	9	1653
Gumbo-	38	1691
Sand -	9	1700
Shells and coal-	8	1708
Sand -	14	1722
Gumbo-	8	1730
Sand -	16	1746
Shale-	22	1768
Sand -	103	1871
Gumbo-	4	1875
Sand -	102	1977
Gumbo-	2	1979
Sand and shells-	15	1994
Sand -	88	2082
Sand, rock and pyrite-	6	2088
No record-	5	2093
Shale-	8	2101
Sand -	41	2142
Gumbo-	35	2177
Sand -	15	2192
Gumbo-	9	2201
Shale-	14	2215
Sand -	50	2265
Gumbo-	20	2285
Sand -	19	2304
Shale-	11	2315
Sand -	10	2325
Gumbo-	17	2342
Sand -	37	2379
Shale-	5	2384
Line and shells-	1	2385
Hard rock-	2	2387
Sand -	3	2390

	Thickness (feet)	Depth (feet)
Driller's log of well 55--Continued		
Gumbo-	15	2405
Black shale-	6	2411
Shale-	6	2417
Gumbo-	4	2421
Sand -	2	2423
Sandy shale-	10	2433
Hard sand-	51	2484
Gumbo-	13	2497
Sand -	103	2600
TOTAL DEPTH-		3031
Driller's log of well 112		
Layne-Texas Co., City of Giddings.		
$\frac{1}{4}$ mile northwest of Giddings.		
Soil -	4	4
White clay -	5	9
Fine gray sand -	5	14
White clay -	16	30
Fine gray sand -	6	36
Red clay -	30	66
Black sandy shale-	157	223
Shale and layers of rock -	14	237
Hard rock, layers of shale	24	261
Hard shale -	11	272
Black shale-	99	371
Rock -	2	373
Hard shale -	28	401
Rock -	1	402
Hard shale -	71	473
Hard rock-	1	474
Hard brown shale -	30	504
Hard sand-	3	507
Hard brown shale -	26	533
Rock -	8	541
Hard brown shale -	21	562
Rock -	1	563
Brown shale-	24	587
Rock -	1	588
Hard brown shale -	67	655
Hard rock-	1	656
Lignite and shale-	15	671
Hard brown shale -	50	721
Fine gray sand -	112	833
Brown shale and boulders -	177	1010
Brown shale and shell-	32	1042
Hard shale and layers of sand-	54	1096
Hard brown shale -	13	1111
Fine gray sand -	32	1143
Dark brown shale -	25	1168
Hard shale -	123	1291
Hard packed sand -	58	1349
Brown shale-	1	1350
TOTAL DEPTH-		1350

(Continued on next page)

Table of Drillers' Logs, Lee County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 112--Continued</u>		
CASING RECORD: 1,292 feet of 13-3/8-inch casing; 72 feet of 6-inch casing lapped 77 feet into bottom of 13-3/8-inch casing; 64 1/2 feet of shutter screen.		
<u>Driller's log of well 170</u>		
Texas-Louisiana Producing and Carbon Co., Beaman No. 1. 13 miles northeast of Giddings.		
Clay and streaks of sand and shale - - - - -	88	88
Sticky shale and gumbo - - - - -	79	167
Sticky shale - - - - -	35	202
Rock - - - - -	1	203
Green fossiliferous shale - - - - -	24	227
Rock - - - - -	1	228
Green fossiliferous shale - - - - -	30	258
Rock - - - - -	1	259
Green fossiliferous shale - - - - -	15	274
Green fossiliferous shale with streaks of lignite - - - - -	116	390
Sticky shale and sand - - - - -	60	450
Sandy shale and lignite - - - - -	2	452
Fossiliferous shale and sand - - - - -	93	550
Fossiliferous shale and packed sand - - - - -	120	670
Sand rock - - - - -	2	672
Fossiliferous shale and packed sand - - - - -	153	825
Sandy shale - - - - -	30	855
Broken rock concretion - - - - -	5	860
Sandy shale - - - - -	30	890
Soft shale and packed fine gray sand with glauconite - - - - -	75	965
Gumbo - - - - -	30	995
Sandy shale - - - - -	15	1010
Packed sand - - - - -	8	1018
Fine gray sand - - - - -	6	1024
Fine sand - - - - -	26	1050
Soft sandy shale - - - - -	30	1080
Sandy shale - - - - -	2	1082
Sandy shale and sand - - - - -	44	1126
Fine sand - - - - -	4	1130
Sandy shale - - - - -	15	1145
Gumbo - - - - -	5	1150
Micaceous and fossiliferous sandy shale - - - - -	24	1174
Packed sandy shale - - - - -	106	1280
Micaceous sandy shale - - - - -	3	1283
Sticky shale and lignite - - - - -	37	1320
Hard rock - - - - -	1/2	1320 1/2
Sticky shale and lignite - - - - -	35 1/2	1356
Sticky shale, sand, and lignite - - - - -	4	1360

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 170--Continued</u>		
Shale and packed sand - - - - -	46	1406
Sand, shale and hard rock - - - - -	2	1408
Shale with streaks packed sand and lignite - - - - -	98	1506
Sandy shale and lignite - - - - -	2	1508
Shale and streaks of packed sand - - - - -	125	1633
Sand - - - - -	7	1640
Green gummy shale - - - - -	20	1660
Sandy shale and fine micaeous sand - - - - -	20	1680
No record - - - - -	20	1700
Shale and packed sand - - - - -	40	1740
Shale and sand - - - - -	16	1756
Hard sand - - - - -	7	1763
Sand and shale - - - - -	75	1838
Sand, shale, and lignite - - - - -	11	1849
Sandy lime - - - - -	2	1851
Sandy gumbo - - - - -	3	1854
Sand, shale and shells - - - - -	55	1909
Broken sand rock - - - - -	3	1912
Sand and shale with hard streaks of packed sand - - - - -	58	1970
Shale - - - - -	4	1974
Broken sand rock - - - - -	2	1976
Sand and shale - - - - -	22	1998
Hard streaks of sand, shale and shells - - - - -	37	2035
Shale - - - - -	13	2048
Sandy shale - - - - -	10	2058
Sand and shale - - - - -	16	2074
Shale - - - - -	6	2080
Broken sandy lime - - - - -	4	2084
Sandy gumbo - - - - -	4	2088
Lime, shale, sand, and shells - - - - -	32	2120
Broken sandy lime and pyrite - - - - -	25	2145
Sandy gumbo - - - - -	2	2147
Lime rock and pyrite - - - - -	1	2148
Sandy gumbo and shale - - - - -	10	2158
Fine gray sand - - - - -	11	2169
Hard sand, shale and lignite - - - - -	27	2196
Hard packed sand - - - - -	16	2212
Sand, lime and shale - - - - -	10	2222
Sand and shale - - - - -	29	2251
Sandy lime and shale - - - - -	33	2289
Sand and shale - - - - -	11	2300
Hard sandy lime - - - - -	8	2308
Sand and shale - - - - -	6	2314
Sand and shale with streaks of lime - - - - -	34	2348
No record - - - - -	10	2358

(Continued on next page)

Table of Drillers' Logs, Lee County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 170--Continued		
Hard sand, shale and lime	10	2368
Hard shale - - - - -	16	2384
Sand and shale - - - - -	26	2410
Hard sand- - - - -	8	2418
Hard gumbo - - - - -	6	2424
Sandy gumbo- - - - -	6	2430
Fine gray sand - - - - -	16	2446
Sandy shale and lime - - -	9	2455
Hard lime, sand and pyrite	1	2456
Sand and shale - - - - -	16	2472

	Thickness (feet)	Depth (feet)
Driller's log of well 170--Continued		
Gummy sandy lime - - - -	4	2476
Shale- - - - -	22	2498
Hard sand with streaks of lime - - - - -	7	2505
Sand and shale - - - - -	28	2533
Sand rock, 2 streaks gray sand and lime - - - - -	1	2534
Sandy lime and pyrite- -	3	2537
Water sand - - - - -	12	2549
Sand, shale and lime - -	46	2595
Sand and shale - - - - -	30	2625
TOTAL DEPTH- - - - -		3687

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

	Thickness (feet)	Depth (feet)
<u>Well 4</u>		
Side of hill, O. M. Parker tract, Johnson survey, 11 $\frac{1}{2}$ miles west of Lexington.		
Yellow and red sandy clay -	11	11
Hard sand with yellow and gray streaks and micaceous clay laminations - - - - -	4	15
Fine gray silty sand with thin micaceous laminations	4	19
Soft gray sand with yellow sandy laminations- - - - -	3	22
No water sample collected. March 8, 1937.		
<u>Well 9</u>		
Side of hill, Hendrix tract, F. Patt- hast survey, 9 $\frac{1}{2}$ miles southwest of Lexington.		
Sand- - - - -	2	2
Red sandy clay- - - - -	6	8
Brown clay with veins of sand and yellow streaks- -	10	18
No water sample collected. Feb. 15, 1937.		
<u>Well 28</u>		
Foot of hill, county road adjacent to Woodward tract, Kleberg survey, 6 miles south of Lexington.		
Red sandy clay- - - - -	6	6
Brown and gray silty shale with sulphur-colored streaks- - - - -	2	8
Hard silty chocolate-color- ed shale with thin lenses of sharp white sand- - - -	2	10
Hard brown sand- - - - -	1	11
Hard silty chocolate- colored shale- - - - -	1	12
Hard laminated sand - - - -	4	16
White, yellow and brown sand - - - - -	19	35
Fine gray caving sand - - -	12	47
No water sample collected. 1937.		
<u>Well 32</u>		
Low ridge above marshy valley, east side of State Highway 44 adjacent to M. Smith tract, R. McNidt survey, 4 $\frac{1}{2}$ miles southeast of Lexington.		
Red sandy clay- - - - -	2	2
Fine red sandy clay - - - -	2	4
Fine dun-colored sand - - -	3	7

	Thickness (feet)	Depth (feet)
<u>Well 32--Continued</u>		
Coarse brown sand - - - - -	1	8
Coarse dun-colored silty sand - - - - -	3	11
Fine dun-colored sand with veins of white sand and thin streaks of white clay- - -	4	15
Struck water at 12 feet. March 6, 1937.		
<u>Well 43</u>		
Flat ridge, west side of State Highway 44, adjacent to Renuck tract, T. Morrow survey, 1 $\frac{1}{2}$ miles northwest of Lexington.		
Sandy top soil- - - - -	1	1
Yellow sandy clay - - - - -	4	5
Brown sand with clay veins-	5	10
Fine gray clay- - - - -	1	11
Yellow and white micaceous sand - - - - -	12	23
Fine-grained silty mica- ceous sand - - - - -	2	25
Fine gray silty micaceous clay - - - - -	4	29
Chocolate-colored clay- - -	4	33
No water sample collected. March 12, 1937.		
<u>Well 65</u>		
Side of hill, A. Hannes tract, J. F. Johnson survey, 4 $\frac{3}{4}$ miles east of Lexington.		
Fine dun-colored sand - - -	4	4
Yellow and red sandy clay -	2	6
Gray and red sand with clay	4	10
No water sample collected. Feb. 17, 1937.		
<u>Well 74</u>		
Side of hill, A. Longmire tract, J. Fur- nash survey, 7 $\frac{1}{2}$ miles northeast of Lexington.		
Sandy top soil- - - - -	2	2
Sandy red clay- - - - -	4	6
Fine micaceous tan-colored sand - - - - -	7	13
Fine micaceous dun-colored sand - - - - -	19	32
No water sample collected. Mar. 11, 1937.		
<u>Well 105</u>		
Side of hill, county road adjacent to Holey tract, A. J. Delaplane survey, 5 miles southwest of Giddings.		

(Continued on next page)

Logs of test wells drilled by V. P. A. labor in Lee County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 105--Continued</u>		
Sandy soil - - - - -	2	2
Ash-colored clay - - - - -	4	6
Ash-colored silty sand with thin clay streaks - - - - -	7	13
Fine tan-colored sand- - - - -	2	15
March 17, 1937.		

<u>Well 107</u>		
Flat valley, county road near Rabbs Creek bridge, N. Coaches survey, 2 $\frac{1}{2}$ miles southwest of Giddings.		
Dark sandy soil- - - - -	4	4
Sandy clay - - - - -	6	10
Silty clay and gravel- - - - -	4	14
Struck water at 14 feet. Water level, 13 feet below top of ground, 10 hours after hole completed. No water sample collected. Mar. 17, 1937.		

<u>Well 116</u>		
Side of hill, county road, 3 miles north of Giddings.		
Sand - - - - -	1	1
Red sandy clay - - - - -	12	13
Rock - - - - -		13
No water sample collected. 1937.		

<u>Well 121</u>		
Near top of ridge, Adolph Saegert tract, Kleberg survey, 9 $\frac{1}{2}$ miles north of Giddings.		
Black waxy top soil- - - - -	2	2
Green and yellow glauconitic clay with fossiliferous sand - - - - -	7	9
Fine white and brown silty sand with clay streaks- - - - -	4	13
Tough stratified gray clay with sandy and gypsiferous laminations - - - - -	5	18
Tough gray clay with thin sandy laminations and sulphur-colored streaks - - - - -	6	24
Brown fossiliferous and gypsiferous clay- - - - -	6	30
Fine brown micaceous sand with sandstone concretions	2	32
Hard rock- - - - -		32
No water sample collected. March 9, 1937.		

<u>Well 127</u>		
Top of low hill, county road adjacent to south side of Vero McNeil tract, J. D. G. Warrellman survey, 2 $\frac{1}{2}$ miles east of Giddings.		

	Thickness (feet)	Depth (feet)
<u>Well 127--Continued</u>		
Coarse flint gravel - - - - -	1	1
Dark gray clay- - - - -	2	3
White sandy ash-colored sandstone and clay with sulphur-colored veins- - - - -	4	7
Fine light-gray clay with ash-colored sand veins - - - - -	17	24
White gritty clay with veins of sand and brown stains - - - - -	8	32
Coarse gray sand- - - - -	4	36
Hard fine gritty white clay - - - - -	6	42
No water sample collected. March 1, 1937.		

<u>Well 129</u>		
Level land, county road adjacent to Sump tract, S. G. Powell survey, 6 miles southeast of Giddings.		
Sandy clay soil - - - - -	3	3
White chalky sandstone- - - - -	10	13
No water sample collected. March 19, 1937.		

<u>Well 142</u>		
Top of hill, county road adjacent to E. Schulze tract, S. Gates survey, 8 $\frac{1}{2}$ miles north of Giddings.		
Dark red clay - - - - -	6	6
Red sandy clay- - - - -	1	7
Gray and red sandy clay - - - - -	5	12
Brown and yellow clay with thin laminations of white sand - - - - -	4	16
No water sample collected. Feb. 12, 1937.		

<u>Well 147</u>		
Foot of hill, north side of State High- way 21, G. W. Grimes survey, 9 $\frac{1}{2}$ miles north of Giddings.		
Green glauconitic clay- - - - -	4	4
Yellow fossiliferous clay	5	9
Brown sandy clay with fossils- - - - -	1	10
Hard yellow fossiliferous rock - - - - -		10
No water sample collected. Feb. 11, 1937.		

Partial analyses of water from wells in Lee County, Texas

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

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
2	G. Allen	Spring	Mar. 8, 1937	37	-	-	-	24	a/	11	-
5	Geo. Darden	do.	Feb. 23, 1937	140	-	-	-	12	64	25	-
6	do.	do.	do.	1,093	-	-	-	24	482	250	-
7	August Dube	52	do.	798	-	-	-	183	314	130	-
8	Otto Richter	90	Feb. 15, 1937	1,298	-	-	-	146	562	244	-
10	Garrett Urban	100	do.	619	146	26	25	207	240	75	471
11	W.E. Becker	35	Feb. 16, 1937	426	94	22	37	379	56	25	325
12	Mrs. H. Schubert	105	do.	315	42	7	58	49	104	80	135
13	Andrews Estate	Spring	Feb. 23, 1937	295	30	9	42	-	150	64	109
14	J.H. Patschke	do.	do.	1,011	-	-	-	329	373	136	-
15	Andrews Estate	do.	do.	44	-	-	-	12	a/	22	-
16	Sherman Estate	do.	do.	122	-	-	-	24	32	36	-
17	R.C. Sanders	20	Feb. 19, 1937	210	16	-	64	85	40	48	40
18	S. Sanders	Spring	Mar. 16, 1937	203	17	2	50	61	80	19	52
20	J.R. Bounds	31	Feb. 19, 1937	2,551	345	134	321	98	1,003	700	1,413
21	do.	11	do.	259	-	-	-	122	48	58	-
22	V.T. Jenson	44	do.	966	-	-	-	281	100	380	-
24	Leo Frede	37	Mar. 16, 1937	808	120	30	131	305	195	182	424
25	M. Fisher	51	do.	4,661	427	158	1,110	771	397	2,190	1,718
26	Otto Lerche	15	Feb. 16, 1937	149	-	-	-	49	44	30	-
27	H.A. Woodward	Spring	Feb. 8, 1937	111	-	-	-	12	40	28	-
29	Dr. - York	231	Feb. 3, 1937	866	-	-	-	171	369	130	-
30	H.A. Woodward	235	Feb. 8, 1937	535	-	-	-	220	180	64	-
31	Dr. - York	145	Feb. 3, 1937	487	-	-	-	207	161	57	-
33	Mollie Smith	20	Feb. 8, 1937	258	-	-	-	110	37	74	-
34	Savanah Dunlap	20	do.	329	-	-	-	159	41	90	-
35	Joe Parker	30	Mar. 16, 1937	1,465	-	-	-	195	270	590	-
36	--	25	Feb. 16, 1937	468	-	-	-	256	32	136	-
37	S.D. Harlan	135	Mar. 9, 1937	487	-	-	-	329	83	64	-
38	C.W. Raschke	16	Feb. 19, 1937	1,269	132	49	266	232	213	495	530

a/ Sulphate less than 10 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
39	Thomas Thompson	49	Mar.16,1937	1,813	239	127	159	-	938	350	1,118
40	do.	Spring	do.	94	-	-	-	37	32	12	-
41	J.S. Wagner	19	do.	281	-	-	-	12	15	160	-
42	C.H. Guthrie	55	Feb.19,1937	519	-	-	-	24	60	265	-
44	S.A. & A.P. R.R.Co.884	Mar. 9,1937	593	107	44	51	329	97	132	447	
45	- Hicks	13	Mar.12,1937	322	-	-	-	12	161	54	-
46	R.L. Peebles	44	do.	1,031	-	-	-	232	333	236	-
47	Arthur Clare	Spring	Feb.19,1937	236	-	-	-	122	64	29	-
48	Mrs. L.R. Byrum	-	do.	160	-	-	-	73	24	42	-
49	V.M. Albritton	46	Mar.12,1937	793	117	44	113	134	83	370	472
50	J.E. Gaither	14	do.	4,155	315	184	985	927	535	1,680	1,543
51	L.M. Johnson	46	do.	292	-	-	-	110	90	48	-
52	J.A. Treadwell	19	Mar.11,1937	221	-	-	-	220	a/	26	-
54	Mrs. J.J. Brown	48	do.	112	12	-	34	85	a/	24	30
56	C. Hartfield	32	Feb.24,1937	324	-	-	-	134	30	110	-
57	A.R. Urbanke	-	Feb.17,1937	321	-	-	-	244	28	52	-
58	C.C. Perry	Spring	do.	897	136	22	185	543	52	235	429
60	Perry Estate	do.	Feb.18,1937	422	46	34	67	226	40	124	256
61	Mrs. R.F. Thomas	19	Feb.19,1937	323	-	-	-	122	60	88	-
62	Sam Peebles	Spring	Feb.18,1937	2,158	-	-	-	195	875	485	-
63	Eggert Milburn	51	do.	1,200	-	-	-	171	301	405	-
64	Henry Knox	10	do.	628	-	-	-	281	217	58	-
66	A. Hannes Est.	Spring	Feb.17,1937	1,744	-	-	-	61	92	1,000	-
67	Joe Fowler	30	do.	1,203	105	19	300	451	52	405	342
68	Lee County	Spring	do.	633	-	-	-	293	40	215	-
69	Homer Douglas	45	do.	1,414	466	46	-	122	112	730	1,354
70	Sam Peebles	31	Feb.24,1937	100	-	-	-	49	28	13	-
71	do.	Spring	do.	767	-	-	-	683	60	78	-
72	do.	-	do.	476	-	-	-	464	34	31	-
73	J.H. Rhodes	27	Mar.11,1937	802	-	-	-	256	131	260	-
75	Frank Brown	44	do.	1,071	-	-	-	195	389	230	-
76	J.C. Roberts	Spring	do.	80	-	-	-	49	12	15	-
77	T.T. Cook	do.	do.	46	-	-	-	24	12	6	-
101	August Pillack	70	Feb.15,1937	1,031	-	-	-	256	418	146	-

a/ Sulphate less than 10 parts per million.

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

Results are in parts per million.

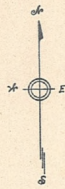
Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
102	Earnest Dagerath	185	Feb. 5, 1937	3,126	376	290	306	410	1,778	430	2,129
103	P.O. Gersch	22	Feb. 24, 1937	132	-	-	-	73	11	36	-
106	Ben Urban	203	Feb. 23, 1937	2,151	179	27	522	207	921	400	557
108	Henry Bamseh	280	Feb. 5, 1937	452	34	7	127	159	82	124	115
109	A.A. Wagner Est.	126	do.	1,574	-	-	-	329	457	420	-
112	City of Giddings	1,354	Mar. 4, 1937	1,079	-	1	434	787	157	100	6
113	do.	1,364	do.	632	34	9	187	256	198	78	120
115	Gus Kriegel	308	Feb. 23, 1937	3,370	481	135	438	134	1,550	700	1,758
117	M. Kisman Est.	32	Mar. 4, 1937	1,078	-	-	-	232	285	310	-
118	Alvin Brade	70	Feb. 4, 1937	618	-	-	-	244	270	50	-
119	John Kisenek	31	Feb. 16, 1937	991	-	-	-	12	36	595	-
120	Paul Richski	60	Feb. 4, 1937	877	-	-	-	305	56	350	-
122	H.B. Krenik	57	do.	1,695	-	-	-	256	618	390	-
123	E. Schulze	19	do.	957	-	-	-	329	337	134	-
124	Garrett Killiam	120	do.	3,853	-	-	-	146	1,741	810	-
125	A.J. Milburn	125	do.	1,881	-	-	-	329	663	430	-
126	Ben Bonol	35	do.	322	94	26	-	18	82	106	341
130	Max Zeis	185	Mar. 18, 1937	1,259	124	30	310	122	75	660	434
131	J.H. Lehman	110	Feb. 10, 1937	627	-	-	-	110	225	140	-
132	Walter G. Lehman	82	do.	955	-	-	-	49	337	280	-
133	Robt. Levy	Spring	do.	9,810	952	347	2,070	12	2,095	4,340	3,804
134	E.H. Lehman	106	do.	1,471	-	-	-	146	562	355	-
135	do.	36	do.	184	21	2	45	61	30	56	62
136	O.R. Siegmund	100	Mar. 1, 1937	3,261	-	-	-	195	985	1,090	-
137	H.T. Griffin	88	do.	1,980	313	118	187	-	662	700	1,268
138	Ellen Branch	305	do.	1,754	-	-	-	73	975	200	-
139	John Tate	Spring	do.	72	12	-	15	37	15	12	30
140	R. McCoy	39	do.	563	-	-	-	366	64	110	-
141	Levi Davis	70	Feb. 12, 1937	920	-	-	-	281	187	272	-
143	Rosie Matthijetz	20	Feb. 4, 1937	160	-	-	-	134	a/	32	-
144	O.C. York	700	Feb. 3, 1937	971	21	19	289	183	454	98	132
145	do.	110	do.	2,285	320	138	233	427	1,164	220	1,365
146	A.L. Knippa	16	do.	512	41	11	140	171	56	180	147
148	John Wilburn	32	do.	3,026	-	-	-	293	1,172	720	-

a/ Sulphate less than 10 parts per million.

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

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
149	T.C. Crothers	Spring	Feb.18,1937	94	-	-	-	61	12	17	-
150	State Highway Dept.	do.	Feb.11,1937	203	33	12	15	37	112	13	133
151	A. Kiege	45	Feb. 3,1937	1,747	-	-	-	183	891	214	-
152	John Wilburn	23	do.	332	-	-	-	195	64	52	-
153	First Trust Joint Stock Land Co.	52	Feb.12,1937	2,351	-	-	-	73	1,198	380	-
154	E. Schultz	18	do.	234	-	-	-	98	23	78	-
155	M. Buchorn	18	do.	1,732	-	-	-	12	1,123	84	-
156	Lee County	Spring	do.	154	-	-	-	98	28	22	-
157	F. Hannes	90	do.	2,219	264	97	360	281	825	535	1,060
158	P.P. Stanley	135	Mar. 2,1937	1,374	-	-	-	24	161	720	-
159	H.W. Allen	109	do.	1,176	-	-	-	232	321	340	-
160	Dr. J.T. Obar	112	Mar. 1,1937	1,084	-	-	-	85	502	194	-
161	Kelly Oliver	185	do.	1,031	143	28	160	195	518	86	472
162	Antioch School	135	do.	743	-	-	-	220	177	200	-
163	M.A. Hayden	26	Mar.10,1937	334	-	-	-	195	32	82	-
164	Post Oak School	30	Feb.10,1937	1,021	142	32	164	61	353	300	485
165	A.H. Kuhn	Spring	do.	88	-	-	-	49	16	16	-
166	Mrs. V.E. Black Est.	120	do.	223	-	-	-	73	a/	104	-
167	- Selke	53	Mar. 2,1937	2,619	-	-	-	73	1,172	575	-
168	Geo. Black Est.	Spring	do.	105	-	-	-	61	19	18	-
169	Ed. Collins	36	do.	725	84	32	111	55	345	126	340
171	City Water Co.	460	Feb.12,1937	246	-	-	99	171	34	29	-
172	F.D. Simek	380	do.	157	10	-	54	122	11	22	25
173	H. & T. C. Ry. Co.	335	do.	170	23	2	39	98	26	32	67
174	Martin Mallinak	44	do.	407	124	18	10	390	a/	63	386
175	H. Hannes	28	Feb.11,1937	576	-	-	-	415	41	114	-
176	J.F. Kocurek	32	do.	515	-	-	-	183	101	142	-
177	do.	Spring	do.	463	-	-	-	146	136	96	-

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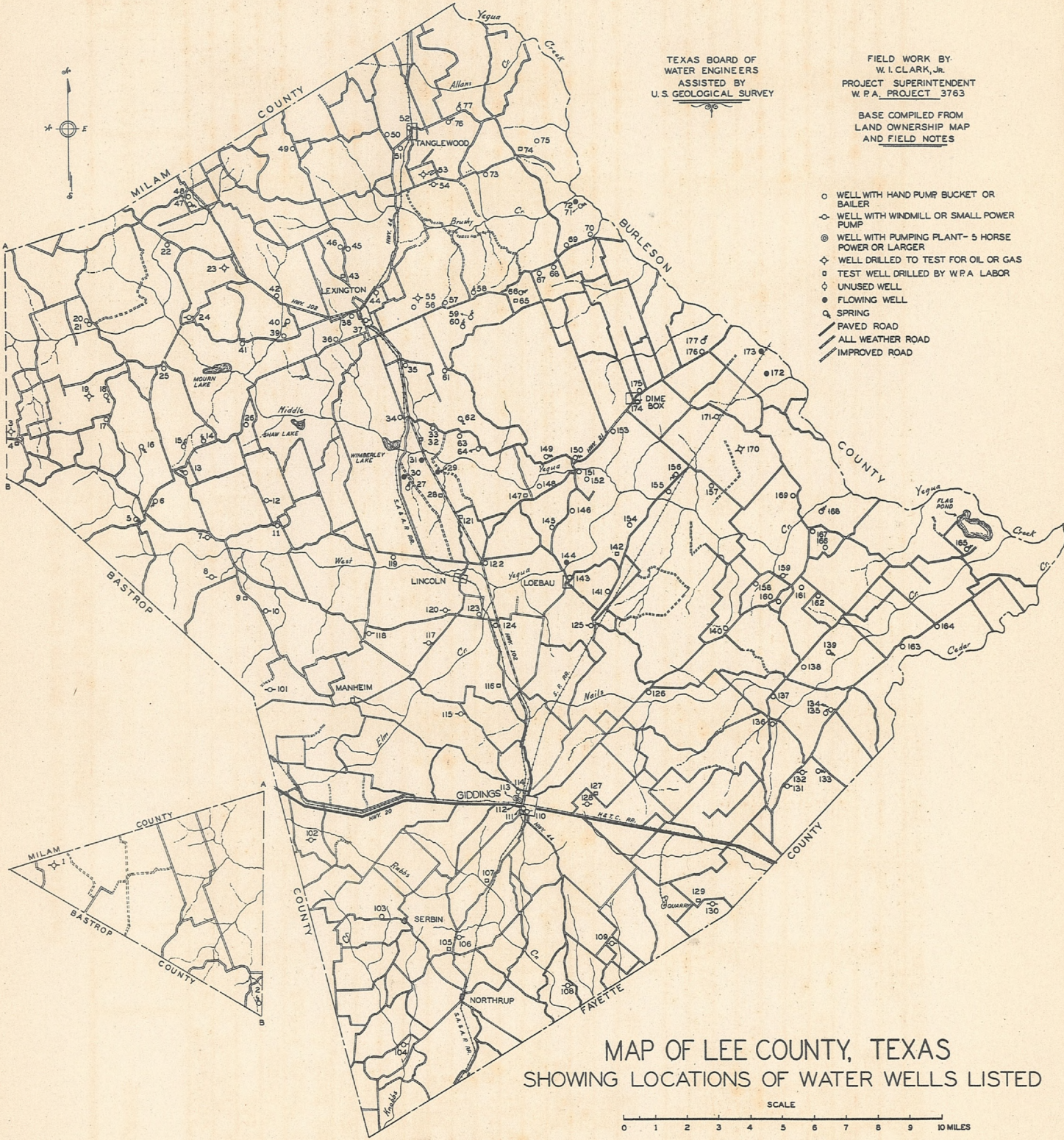


TEXAS BOARD OF
WATER ENGINEERS
ASSISTED BY
U. S. GEOLOGICAL SURVEY

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

BASE COMPILED FROM
LAND OWNERSHIP MAP
AND FIELD NOTES

- WELL WITH HAND PUMP, BUCKET OR BAILER
- ◊ WELL WITH WINDMILL OR SMALL POWER PUMP
- ⊙ WELL WITH PUMPING PLANT - 5 HORSE POWER OR LARGER
- ◇ WELL DRILLED TO TEST FOR OIL OR GAS
- ◊ TEST WELL DRILLED BY W.P.A. LABOR
- ◇ UNUSED WELL
- ⊙ FLOWING WELL
- SPRING
- PAVED ROAD
- ALL WEATHER ROAD
- IMPROVED ROAD



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

