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LUBBOCK COUNTY, TEXAS

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

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WORKS PROGRESS ADMINISTRATION

GROUND-WATER SURVEY

PROJECT 5072

M. G. Hughett and E. G. Brigance

Project Superintendents

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

WORKS PROGRESS ADMINISTRATION

PROJECT 6507-5112

\* \* \*

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

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Austin, Texas

Oct. 1, 1937

## LUBBOCK COUNTY, TEXAS

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

The purpose of this survey was to obtain information concerning existing wells and springs and the quantity and quality of water they yield, and 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 Lubbock County was started on November 28, 1936, and completed June 25, 1937. This work was done as Project 5072 of District 17 of the Works Progress Administration, Lubbock, Texas. M. C. Hughett and B. G. Brigance, engineers, were project superintendents. Mr. Hughett and Mr. Brigance deserve credit for their interest in their work and for the extra time they spent on the project. The office of the Works Progress Administration in Lubbock made this work possible by their constant help and cooperation.

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

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

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

No.	Distance from Lubbock	Section	Survey, Block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <sup>a/</sup>
1	20 miles northwest	31, SE $\frac{1}{4}$ SE $\frac{1}{4}$	blk. DT	Benjamin	--	--	95	--	1
2	17 $\frac{1}{2}$ miles northwest	11, SE $\frac{1}{4}$ SE $\frac{1}{4}$	E.L.& R.R., blk. P	W. W. Gilbert	--	1923	112	--	0.5
3	17 miles northwest	28, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	E. E. Winters	--	--	50	4	0.6
4	15 $\frac{1}{2}$ miles northwest	31, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Marcy School	--	--	147	4	2.4
5	14 miles northwest	2, NW $\frac{1}{4}$ SW $\frac{1}{4}$	E.L.& R.R., blk. D5	J. A. Brown	-- Osborne	1921	115	4	0.4
6	16 $\frac{1}{2}$ miles northwest	14, SW $\frac{1}{4}$ SW $\frac{1}{4}$	E.L.& R.R., blk. P	B. W. Giles	--	1921	160	--	0.6
7	16 miles northwest	15, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	S. E. Cone	--	1937	135	6	2
8	12 $\frac{1}{2}$ miles northwest	24, NE $\frac{1}{4}$ SW $\frac{1}{4}$	blk. D2	R. T. Hood	--	1929	106	--	0.8
9	14 miles north	18, SW $\frac{1}{4}$ SE $\frac{1}{4}$	E.L.& R.R., blk. P	Leon Estate	-- Kelly	1937	182	15	1.5
10	13 miles north	24, NE $\frac{1}{4}$ NE $\frac{1}{4}$	L.& S.V., blk. D	New Deal School	--	--	118	--	0.5
11	11 $\frac{1}{2}$ miles north	22, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Temple Trust Co.	--	--	--	--	0.5
14	13 $\frac{1}{2}$ miles north	6, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Richard Carruth	-- Wilkerson	1936	99	6	0.4
15	14 $\frac{1}{2}$ miles north	3, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	T. V. Lovelace	L. A. Peoples	1936	209	16	0
16	15 miles north	3, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	H. A. Iverson	-- Jones	1925	120	3 $\frac{1}{2}$	1.2
17	13 $\frac{1}{2}$ miles north	17, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	T. H. Sarsons	-- Smiley	--	157	--	--
19	11 $\frac{1}{2}$ miles north	20, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	--	--	--	110	--	1
22	15 $\frac{1}{2}$ miles north	40, NE $\frac{1}{4}$ NW $\frac{1}{4}$	E.L.& R.R., blk. C2	Fritz Trons	Will Litzsinger	1925	129	--	0.5
23	16 $\frac{1}{2}$ miles north	34, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	L. D. Perry	--	--	115	3	0
24	14 $\frac{1}{2}$ miles north	20, SE $\frac{1}{4}$ SE $\frac{1}{4}$	E.L.& R.R., blk. D7	Center School	--	--	94	--	1
e/ 25	13 miles northeast	15, NE $\frac{1}{4}$ SW $\frac{1}{4}$	J.H.Gibson, blk. X	Walter Emery	-- Green	1937	203	17	--
26	12 $\frac{1}{2}$ miles northeast	10, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	R. H. Emery	-- Pughett	1937	186	17	1
27	15 miles northeast	32, SE $\frac{1}{4}$ SE $\frac{1}{4}$	Brown Co. School land, blk. X	--	--	--	92	--	0.8
e/ 27a	do.	33, NE $\frac{1}{4}$ NE $\frac{1}{4}$	James R. Robertson	V. B. Gilmore	L. A. Peoples	1935	219	--	1.6
28	17 miles northeast	46, SE $\frac{1}{4}$ SE $\frac{1}{4}$	E.L.& R.R., blk. C2	--	--	1937	94	--	0.8

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

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

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Records obtained by M. G. Hughett and J. B. Brigrance, Project Superintendents  
(Chemical analysis of water from these wells and springs are in the table of analyses.)

No.	Water Level		Pump and power	Use of water	Topographic situation	Remarks
	Depth below measuring point (feet)	Date of measurement				
1	89.8	Apr. 26, 1937	C,W	D,S,I	--	Wood clamp curb. Irrigates small garden. Permanent supply.
2	121.5	d/	C,W	D,S	Flat	Platform curb; no casing. Permanent supply.
3	43.1	Apr. 15, 1937	C,W-	D,S	do.	Wood clamp; steel casing. Permanent supply.
4	121.8	do.	C,W	D	do.	Do.
5	92.4	do.	C,W	D,S	do.	Wood clamp; cast iron casing. Permanent supply.
6	122.7	Apr. 26, 1937	C,W	D,S	do.	Wood clamp; no casing. Permanent supply.
7	106.7	do.	C,W	D	do.	Wood clamp; steel casing. Permanent supply.
8	103.8	Apr. 15, 1937	C,W	D,S	do.	Wood curb; cast iron casing. Permanent supply.
9	138.7	Apr. 26, 1937	T,G, 85	I	do.	Estimated yield, 500 gallons a minute. Irrigates 100 acres cotton. Best well.
10	113.4	Apr. 30, 1937	C,W	P	--	Wood clamp, 1/2 mile north, struck "red beds" permanent supply at 250 feet. See log.
11	49.1	Apr. 27, 1937	C,W	D,S,I	--	Wood clamp. Irrigates small garden. Estimated yield, 4 gallons a minute.
14	88	Apr. 26, 1937	C,W	D,S,I	Near draw	Wood clamp; 40 feet 6-inch steel casing at bottom. Irrigates small garden. Re-
15	104	d/	T,G, 85	I	Flat	180 reported yield, 5 gallons a minute. 16-foot 16-inch steel casing. Irrigates 160
16	99.3	May 4, 1937	C,W	D,S,I	--	Wood clamp; 120 acres wheat and cotton. 3 1/2-foot 3 1/2-inch steel casing. Irrigates
17	--	--	T,-,-	--	Flat	small garden. Permanent supply.
19	91.1	Apr. 27, 1937	C,W	D,S	do.	Concrete curb.
22	103.2	May 6, 1937	C,W	S	do.	Wood clamp. Permanent supply.
23	100	do.	C,W	D,S,I	do.	115 feet 3-inch cast iron casing. Irrigates small garden. Permanent supply.
24	84.3	May 3, 1937	C,W	P	do.	Wood clamp. Strong supply.
25	--	--	-,-G, 85	--	Edge of lake	Steel casing.
26	99.4	Apr. 27, 1937	--	I	Flat	Concrete curb. Permanent supply.
27	74.7	May 3, 1937	C,W	D,S,I	do.	Wood clamp. Irrigates small garden.
27a	77.9	Aug 21, 1937	T, 28	I	Go to slope	Reported, estimated yield, 900 gallons a minute. Strong supply.
28	83.5	May 3, 1937	C,W	D	Flat	Wood clamp. Permanent supply.

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

d/ Water level reported.

e/ No water sample collected for analysis.

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

No.	Distance from Lubbock	Section	Survey, Block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <sub>a/</sub>
29	17 miles northeast	45, NW $\frac{1}{4}$ NW $\frac{1}{4}$	E.L.& R.R., blk. C2	Geo. H. Bean	--	1934	115	--	0.6
31	21 miles northeast	140, NE $\frac{1}{4}$ NW $\frac{1}{4}$	blk. C	--	--	--	85	--	0.4
32	21 $\frac{1}{2}$ miles northeast	101, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Ed Oden	--	Old	100	--	0.7
33	20 $\frac{1}{2}$ miles northeast	71, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. I. Lolley	--	--	87	--	0.6
34	19 miles northeast	109, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	A. K. Decton	L. A. Peoples	1926	100	--	1.5
35	18 $\frac{1}{2}$ miles northeast	138, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	do.	Tarkington	1936	255	15 $\frac{1}{2}$	0.3
36	17 $\frac{1}{2}$ miles northeast	14, SE $\frac{1}{4}$ SE $\frac{1}{4}$	E.L.& R.R., blk. D7	Bledsoe School	--	1925	100	--	1
e/ 37	17 miles northeast	149, NW $\frac{1}{4}$ NW $\frac{1}{4}$	blk. C	S. E. Blair	Tarkington	1935	240	16	1
38	16 miles northeast	150, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Frank Bledsoe	--	--	61	--	0
39	17 $\frac{1}{2}$ miles northeast	136, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Mrs. R. B. Catching	--	1917	100	--	0.6
40	20 miles northeast	74, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Estacado School	--	--	100	--	0.2
41	18 $\frac{1}{2}$ miles northeast	97, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	R. Q. Mabry	George Handley	1937	230	15 $\frac{1}{2}$	0
e/ 42	17 miles northeast	134, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	--	--	--	100	--	0.5
e/ 43	18 miles northeast	76, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	--	--	--	72	6	0.3
44	17 miles northeast	94, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Dallas Joint Stock Bank	--	--	115	--	0.3
45	15 miles northeast	116, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	--	--	--	95	--	0.7
e/ 46	14 miles northeast	153, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	George Benson	L. A. Peoples	1937	252	15 $\frac{1}{4}$	1.3
47	13 miles northeast	154, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	George Young	--	--	77	--	0.5
e/ 48	11 miles northeast	3, SW $\frac{1}{4}$ SW $\frac{1}{4}$	E.L.& R.R., blk. D7	P. & S.T. Ry. Co.	--	--	84	--	--
e/ 49	11 $\frac{1}{2}$ miles northeast	3, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	-- Lee	A. Anderson	1937	--	--	--
50	12 miles northeast	35, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	F. H. Cannon	L. A. Peoples	1937	137	15	0
51	13 $\frac{1}{2}$ miles northeast	33, SE $\frac{1}{4}$ SE $\frac{1}{4}$	James R. Robertson	W. A. Armstrong	--	1923	90	--	0.5
52	12 $\frac{1}{2}$ miles northeast	44, NW $\frac{1}{4}$ NW $\frac{1}{4}$	E.L.& R.R., blk. D7	-- Hawkins	Ralph Henderson	1937	186	15 $\frac{1}{4}$	0.5
53	do.	17, SW $\frac{1}{4}$ NW $\frac{1}{4}$	John H. Gibson, blk. X	W. O. Fortenberry	--	1937	200	17	1.4
54	11 miles north	8, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Martin Humphries	George Manning	1937	264	17	1
55	10 $\frac{1}{2}$ miles northeast	22, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	R. D. Holmes	--	--	94	--	0.6
* 30	19 $\frac{1}{2}$ miles northeast	145, NW $\frac{1}{4}$ SW $\frac{1}{4}$	blk. C	O. C. Powell	--	--	62	--	1.2

M. G. Hughett and B. G. Brigrance, Project Superintendents

No.	Water Level		Pump and power b/	Use of water c/	Topographic situation	Remarks
	Depth below measuring point (feet)	Date of measurement				
29	85	May 6, 1937	C,W	D,S,I	Flat	Irrigates small garden. Pumping when measured. Permanent supply.
* 31	74.2	Feb. 4, 1937	C,W	D,S	do.	
32	75.6	do.	C,W	D,S	do.	
33	72.9	do.	C,W	D,S	--	Pumping when measured. Estimated yield, 2 gallons a minute.
34	88.4	do.	C,W	D,S	--	Concrete curb. Pumping when measured. Estimated yield, 4 gallons a minute.
35	83.1	Mar. 15, 1937	T,G,-	I	--	Pump base curb. Estimated yield, 700 gallons a minute. Irrigates 80 acres cotton,
36	80.5	Feb. 4, 1937	C,W	P	Flat	Pumping when measured. Estimated yield, 5 gallons a minute. Irrigates 100 acres wheat. See log.
37	74.2	Mar. 12, 1937	T,G,-	I	--	Owner reports 35 feet drawdown after pumping 300 gallons a minute for 12 hours. Irrigates 30 acres cotton, 10
38	55.4	Mar. 11, 1937	C,W	D,S	Bottom of basin	Pumping when measured. Estimated yield, 4 gallons a minute. Irrigates 12 acres wheat.
39	72.3	Feb. 4, 1937	C,W	D,S	Flat	Concrete curb. minute.
40	77	Feb. 3, 1937	C,W	P	--	Supplies school.
41	79	do.	T,G,-	I	Flat	Estimated yield, 700 gallons a minute. Irrigates 75 acres wheat, 50 acres cotton.
42	80.2	do.	None	N	--	Concrete curb. See log.
43	70.3	do.	C,W	N	Edge of deep basin	6-inch steel curb and casing.
44	88.3	do.	C,W	D,S	Flat	Pumping when measured. Estimated yield, 4 gallons a minute.
45	44.8	Feb. 4, 1937	C,W	D,S	--	Concrete curb.
46	76.5	Mar. 11, 1937	T,G,-	I	--	205 feet 15 $\frac{1}{4}$ -inch steel casing. Irrigates 120 acres cotton, 30 acres feed.
47	63.8	Mar. 10, 1937	C,W	D,S	Flat	Estimated yield, 3 gallons a minute.
48	54	d/	C,W	S,Ind	do.	Reported yield, 15 gallons a minute.
49	--	--	--	--	do.	
50	68	d/	T,G, 85	I	do.	Estimated yield, 800 gallons a minute. Irrigates 112 acres cotton and feed. Owner
51	70.3	May 3, 1937	C,W	D,S,I	do.	Owner reports original depth, 204 feet. 3.2 feet drawdown after pumping 4 gal-
52	76.5	Apr. 28, 1937	--	I	do.	Weak supply. 1 gallons a minute for 24 hours. Permanent supply.
53	83.2	Apr. 27, 1937	--	I	do.	Concrete curb; steel casing. Irrigates 100 acres cotton.
54	96.7	May 6, 1937	T,G, 85	I	--	130 feet 17-inch steel casing. Irrigates 100 acres cotton.
55	74.9	Apr. 27, 1937	C,W	D,S	Flat	Permanent supply.
* 30	41.6	Feb. 4, 1937	C,W	D,S	In large basin	

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

No.	Distance from Lubbock	Section	Survey, Block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
e/ 58	9 miles northeast	64, NE $\frac{1}{4}$ SW $\frac{1}{4}$	blk. A	William Youthemer	L. A. Peoples	1935	225	15 $\frac{1}{4}$	0.3
59	do.	57, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	L. E. Howard	--	--	--	--	--
60	8 $\frac{1}{2}$ miles northeast	5 $\frac{1}{2}$ , NE $\frac{1}{4}$ E $\frac{1}{4}$	do.	Liberty School	--	1923	--	--	1
61	7 miles northeast	44, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	G. R. Bean	Jim Hart	--	67	6	0.5
62	6 $\frac{1}{2}$ miles northeast	6, SE $\frac{1}{4}$ SE $\frac{1}{4}$	blk. D3	F. T. Atkins	--	1923	89	--	0.4
63	8 miles northeast	5, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	--	--	--	85	6	0.9
64	10 miles north	29, SW $\frac{1}{4}$ SE $\frac{1}{4}$	blk. D2	W. Y. Barrett	-- Tatum	--	211	15 $\frac{1}{4}$	2
66	10 $\frac{1}{2}$ miles north	27, SE $\frac{1}{4}$ SE $\frac{1}{4}$	L. & S.V., blk. D	New Deal School	--	1936	--	--	--
72	9 miles north	34, NW $\frac{1}{4}$ E $\frac{1}{4}$	do.	J. E. Lantz	Renny Byron	1937	156	15 $\frac{3}{4}$	0
75	7 $\frac{1}{2}$ miles north	39, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	B. E. Shaw	--	1937	71	2 $\frac{1}{2}$	0.5
76	do.	38, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Tom J. Foster	--	1937	150	16	--
77	7 miles north	36, NE $\frac{1}{4}$ SW $\frac{1}{4}$	blk. A	E. H. Griffith	-- Cook	1936	216	16	1
81	5 miles north	27, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. E. Vickers	-- Smiley	1936	160	--	2
82	4 $\frac{1}{4}$ miles north	29, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	--	--	--	51	2	0.3
83	5 $\frac{1}{2}$ miles north	29, NW $\frac{1}{4}$ W $\frac{1}{4}$	do.	W. P. Perser	McClain & Bean	1935	115	16	0
84	do.	30, NE $\frac{1}{4}$ NE $\frac{1}{4}$	blk. D3	J. B. McCauley	--	--	116	17	--
85	do.	30, NW $\frac{1}{4}$ W $\frac{1}{4}$	blk. A	do.	--	1937	115	17	--
e/ 86	7 miles northwest	19, NW $\frac{1}{4}$ E $\frac{1}{4}$	blk. D2	O. D. Harjic	L. A. Peoples	1935	118	12	--
87	7 $\frac{1}{2}$ miles northwest	16, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	W. J. Arnold	--	--	44	2	1.2
e/ 87a	do.	15, NW $\frac{1}{4}$	do.	--	--	--	--	--	--
88	8 miles northwest	10, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. A. McClatchy	O. S. Brock	1925	74	2	1
89	8 $\frac{1}{2}$ miles northwest	20, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Grovesville School	--	--	82	2	1
e/ 90	9 $\frac{1}{2}$ miles northwest	20, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	W. W. McIlroy	-- White	1937	149	17	1
91	do.	50, SE $\frac{1}{4}$ SE $\frac{1}{4}$	blk. P	Lu Lee National Bank	--	1937	200	16	1
e/ 92	10 miles northwest	26, SE $\frac{1}{4}$ SE $\frac{1}{4}$	blk. D2	--	G. W. Watkins	1937	169	15 $\frac{1}{2}$	0.6
93	9 $\frac{1}{2}$ miles north	6, SE $\frac{1}{4}$ E $\frac{1}{4}$	do.	T. F. Sears	--	1934	106	6	0.5

## M. G. Mughett and B. G. Brigance, Project Superintendents

No.	Water Level		Pump and power b/	Use of water c/	Topographic situation	Remarks
	Depth below measuring point (feet)	Date of measurement				
58	58.4	Mar. 9, 1937	T,G,-	I	--	Irrigates 30 acres cotton, 62 acres feed.
59	--	--	T,G,-	I	Flat	Estimated yield, 750 gallons a minute.
60	70	Mar. 15, 1937	C,W	P	--	Supplies school.
61	42.5	Jan. 28, 1937	C,W	D,S	--	Tenant reports caving sand in well.
62	60.3	do.	C,W	D,S	Flat	Pumping when measured. Estimated yield, 2 gallons a minute.
63	68.5	Mar. 15, 1937	C,W	D,S	do.	Do.
64	85	Apr. 27, 1937	T,G, 85	I	do.	130 feet 15 $\frac{1}{4}$ -inch steel casing. Measured 14 feet drawdown after pumping 700 gallons.
66	--	--	C,E,5	P,I	--	Strong supply. [ ] a minute for $\frac{1}{2}$ hour. Irrigates 75 acres cotton.
72	75	d/	T,G, 85	I	Flat	80 feet 15 $\frac{1}{4}$ -inch steel casing, 76 feet 13 $\frac{3}{4}$ -inch steel casing. Estimated yield, 900 gallons a minute. Irrigates small garden.
75	55	Apr. 12, 1937	C,W	D,S	Edge of canyon	Permanent supply. [ ] 900 gallons a minute. Irrigates small garden.
76	--	--	T,G,-	I	Flat	Irrigates 100 acres cotton.
77	66	d/	T,G,-	I	do.	130 feet 13-inch steel casing. Estimated yield, 300 gallons a minute.
81	44.5	Dec. 6, 1936	T,G, 85	I	--	Measured 23.68 feet drawdown after pumping 800 gallons a minute for 1.46 hours.
82	40.7	Apr. 12, 1937	C,W	D,S	Edge of canyon head	Measured 1.59 feet drawdown after pumping 4 gallons a minute for 4 hours.
83	48	d/	T,G, 85	I	Flat	16-inch steel casing. Estimated yield, 700 gallons a minute.
84	45	d/	T,G, 85	I	do.	116 feet 17-inch steel casing. Owner reports 15 feet drawdown after pumping 800 gallons a minute for 2 weeks. See log.
85	40	d/	T,G, 85	I	do.	115 feet 17-inch steel casing. Owner reports 15 feet drawdown after pumping 800 gallons a minute for 72 hours.
86	30	d/	T,G, 85	I	do.	113 feet [ ] gallons a minute for 72 hours. 12-inch steel casing. Irrigates 125 acres
87	34	Apr. 12, 1937	C,W	D,S	do.	Steel casing. [ ] cotton. Permanent supply.
87a	--	--	--	I	--	
88	67.9	Apr. 12, 1937	C,W	D,S	--	Permanent supply.
89	74.1	do.	C,W	P	Flat	Permanent supply. Supplies school.
90	85.3	June 22, 1937	T,G, 54	I	do.	Concrete curb; 126 feet 17-inch steel casing. Reported 18 feet drawdown after pumping 1,000 gallons a minute for 24
91	87.2	Apr. 21, 1937	--	I	do.	Steel casing. [ ] hour
92	87.5	June 22, 1937	T,G, 85	I	do.	25 feet 15 $\frac{1}{2}$ -inch steel casing, 60 feet 13 $\frac{1}{2}$ -inch steel casing. Estimated yield, 1,000 gallons a minute. Permanent supply.
93	86.6	Apr. 15, 1937	C,W	D,S	--	Steel casing. [ ] 1,000 gallons a minute. Permanent supply.



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

No.	Distance from Lubbock	Section	Survey, Block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
e/ 94	10 $\frac{1}{2}$ miles north	4, SW $\frac{1}{4}$ NW $\frac{1}{4}$	blk. D2	Dr. -- Kruger	--	1937	385	--	0
95	11 miles northwest	25, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	--	--	1927	--	5-3/8	0.8
96	12 miles northwest	11, SE $\frac{1}{4}$ SE $\frac{1}{4}$	E.L.& R.R., blk. D5	K. D. Rice	--	--	--	--	--
97	do.	14, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	G. R. Johnson	-- Jay	1934	107	6	2
98	14 $\frac{1}{2}$ miles northwest	8, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Lon A. Sullivan	--	--	73	6	0.8
99	15 $\frac{1}{2}$ miles northwest	37, SW $\frac{1}{4}$ NE $\frac{1}{4}$	E.L.& R.R., blk. P	E. L. Gray	C. C. White	1937	108	19	0
100	do.	36, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	O. P. Bowser	H. G. Eughett	1937	165	15 $\frac{1}{2}$	2
e/101	15 miles northwest	38, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	do.	-- Watson	1937	175	15 $\frac{1}{2}$	--
102	13 $\frac{1}{2}$ miles northwest	31, NW $\frac{1}{4}$ NW $\frac{1}{4}$	E.L.& R.R., blk. D5	--	--	--	95	2 $\frac{1}{2}$	1
103	13 miles northwest	20, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	H. T. Ferguson	--	1917	50	6	0.8
105	11 $\frac{1}{2}$ miles northwest	27, center NW $\frac{1}{4}$	do.	Mrs. S. P. Field	-- Osborne	1926	58	--	0.4
107	11 miles northwest	27, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	B. G. Lokoy	--	Old	75	6	0.7
e/108	do.	27, NE $\frac{1}{4}$	do.	P.& S.F.Rv. Co.	--	--	70	6	--
109	10 $\frac{1}{2}$ miles northwest	24, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	C. C. Vance	--	--	99	--	0.4
110	8 miles northwest	21, NW $\frac{1}{4}$ SW $\frac{1}{4}$	E.L.& R.R., blk. JS	--	--	--	50	4	0.4
111	11 miles northwest	32, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	--	--	--	92	2 $\frac{1}{2}$	0.5
e/112	13 $\frac{1}{2}$ miles west	52, SW $\frac{1}{4}$ NW $\frac{1}{4}$	E.L.& R.R., blk. P	J. H. Ayres	-- Winfield	1936	209	14	0.8
113	9 miles northwest	29, NE $\frac{1}{4}$ SW $\frac{1}{4}$	E.L.& R.R., blk. JS	--	-- Emerson	1937	153	16	1.2
114	8 $\frac{1}{2}$ miles northwest	29, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	G. F. McChesary	L. A. Peoples	--	143	15	0.6
e/115	8 $\frac{1}{2}$ miles west	26, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	J. H. Jameson	--	1937	153	14	1.4
116	9 miles west	27, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	J. B. Edwards	L. A. Peoples	1936	160	15 $\frac{1}{4}$	--
117	10 miles west	28, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. H. Able	A. D. Parish	1937	170	14	0
c/118	9 miles west	17, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	W. P. Martin	--	--	--	13	0.5
e/119	8 $\frac{1}{2}$ miles west	2, SW $\frac{1}{4}$ SE $\frac{1}{4}$	blk. D6	J. T. Jones	--	--	--	--	0.7
120	7 miles west	43, NW $\frac{1}{4}$ NW $\frac{1}{4}$	blk. AK	J. W. Tush	--	--	--	6	0.5
121	7 $\frac{1}{2}$ miles west	1, SE $\frac{1}{4}$	blk. D6	Claude Camel	-- Loach	1937	208	14	--
122	7 miles west	10, NW $\frac{1}{4}$ SW $\frac{1}{4}$	E.L.& R.R., blk. JS	Mrs. W. K. Pevehouse	--	1937	155	16	--

## L. G. Hughett and T. C. Brinace, Project Superintendents

No.	Water Level		Pump and power b/	Use of water c/	Topographic situation	Remarks
	Depth below measuring point (feet)	Date of measurement				
94	85.5	May 4, 1937	--	--	Flat	
95	82.7	Apr. 16, 1937	C,W	D,S	do.	Permanent supply.
96	--	--	--	D,S	do.	No casing. Permanent supply.
97	81.8	Apr. 22, 1937	C,W	D,S	do.	60 feet 6-inch steel casing at bottom. Permanent supply.
98	63.9	Apr. 15, 1937	C,W	D,S	do.	Cast iron casing. Permanent supply.
99	34.2	June 22, 1937	T,G, 85	I	do.	108 feet 19-inch steel casing. Irrigates 250 acres cotton.
100	56.5	do.	T,G,-	I	do.	34 feet 15 $\frac{3}{8}$ -inch steel casing, 136 feet 13 $\frac{1}{2}$ -inch steel casing. Irrigates 160
101	64.6	do.	T,G,-	I	do.	136 feet 13 $\frac{1}{2}$ -inch casing. Irrigates 160 acres cotton. See log.
102	75	Apr. 15, 1937	C,W	D,S	do.	Permanent supply.
103	40.7	do.	C,W	D,S	--	Do.
106	41	Apr. 9, 1937	C,W	D,I	Flat	Irrigates small garden.
107	51.3	do.	None	D,Ind	do.	Permanent supply.
108	--	--	C,W	S	--	See log.
109	69.1	Apr. 9, 1937	C,W	D,S	Edge of draw	Permanent supply.
110	29.6	Apr. 12, 1937	C,W	D,S	Side of draw	
111	62.6	Apr. 14, 1937	C,W	D,S	Flat	
112	96.1	June 22, 1937	T,G, 85	I	do.	129 feet 14-inch steel casing. Owner reports 20 feet drawdown after pumping 9'
113	56.9	Apr. 13, 1937	T,G, 85	I	do.	16-inch steel curb and casing. gallons a minute for 24 hours.
114	--	--	T,G, 85	I	do.	Permanent supply.
115	53.5	Apr. 14, 1937	T,G, 85	I	do.	
116	65	d/	T,G, 85	I	do.	Measured 25.2 feet drawdown after pumping 300 gallons a minute for 240 hours.
117	62.5	Apr. 14, 1937	T,G, 85	I	do.	170 feet 14-inch steel casing.
118	81.9	Dec. 7, 1936	T,-,-	I	do.	
119	77.2	do.	C,W	D	Basin slope	
120	63.7	do.	C,W	D	Flat	
121	76	May 20, 1937	T,G, 56	I	do.	Irrigates 100 acres cotton. See log.
122	73.8	do.	T,G, 85	I	do.	153 feet 16-inch steel casing. Irrigates 160 acres cotton. Permanent supply.

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

No.	Distance from Lubbock	Section	Survey, Block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <sup>a/</sup>
e/123	6 miles west	9, SW $\frac{1}{4}$ NW $\frac{1}{4}$	E.L. & R.R., blk. JS	Travis Tubbs	--	--	--	--	1.4
124	do.	9, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Travis Tubbs	Osborne & Mullins	1927	--	18	2
125	5 miles west	4, SE $\frac{1}{4}$ SW $\frac{1}{4}$	blk. E2	Mrs. W. F. Bond	Lee Tubbs	--	--	--	0.3
e/127	3 $\frac{3}{4}$ miles west	3, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Mrs. Sam O'Neal	L. A. Peoples	1937	159	15 $\frac{1}{2}$	--
e/128	do.	3, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Rufus Rush	do.	--	160	14	0.8
130	4 $\frac{1}{4}$ miles west	3, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	C. C. Lane	--	1936	159	--	--
132	4 $\frac{3}{4}$ miles west	4, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	J. W. Ross	L. A. Peoples	1937	202	18	--
134	6 miles west	2, NE $\frac{1}{4}$ NW $\frac{1}{4}$	E.L. & R.R., blk. JS	O. C. Ballard	--	--	--	6	0.4
e/135	4 $\frac{1}{2}$ miles west	1, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Rufus Rush	--	1937	162	18	--
136	4 $\frac{1}{4}$ miles west	22, NW $\frac{1}{4}$ SW $\frac{1}{4}$	blk. A	John King	L. A. Peoples	1937	162	15 $\frac{1}{4}$	--
138	7 miles northwest	23, NE $\frac{1}{4}$ NE $\frac{1}{4}$	E.L. & R.R., blk. JS	C. A. Gibson	do.	1936	120	16	2
e/139	do.	23, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	--	--	1934	120	18	1
140	6 $\frac{1}{2}$ miles northwest	22, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. C. James	L. A. Peoples	1937	87	17	1.8
e/141	6 miles northwest	22, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	S. C. Arnett	--	1937	127	17	1
142	5 $\frac{1}{2}$ miles northwest	13, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	M. K. Dean	--	1937	100	17 $\frac{1}{8}$	1.2
143	do.	13, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	F. N. Marshall	-- Smyley	1937	101	14	0.6
e/144a	do.	39, SE $\frac{1}{4}$ NW $\frac{1}{4}$	blk. A	W. D. Morrison	--	Old	156	24	--
e/144b	do.	39, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	--	1936	116	--	--
149	3 $\frac{1}{2}$ miles northwest	12, center	do.	J. D. McCauley	--	1934	116	17	0
e/151	5 miles northwest	14, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Broadview School	--	--	51	2	0.4
153	4 miles west	5, SW $\frac{1}{4}$ SE $\frac{1}{4}$	E.L. & R.R., blk. JS	--	--	--	55	--	0.3
154	do.	22, NE $\frac{1}{4}$ SW $\frac{1}{4}$	blk. A	J. S. Hamilton	L. A. Peoples	1937	160	18	--
156	3 miles northwest	13, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	J. M. Phillips	Frank Bishop	1935	152	14	0
e/158	2 miles northwest	20, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	City of Lubbock well No. 4	--	--	156	24	1.5

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

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

## M. G. Hughett and B. G. Brinace, Project Superintendents

No.	Water Level		Pump and power b/	Use of water c/	Topographic situation	Remarks
	Depth below measuring point (feet)	Date of measurement				
123	53.8	Dec. 6, 1937	T,G,-	I	--	Concrete curb.
124	53.3	do.	T,G,-	I	Flat	Concrete curb. Estimated yield, 900 gallons a minute. Permanent supply.
125	53.2	Dec. 7, 1936	C,W	D	do.	
127	--	June 21, 1936	T,G, 85	I	do.	159 feet 15 $\frac{1}{2}$ -inch steel casing. Irrigates 160 acres cotton. Permanent supply.
128	42.9	Dec. 8, 1936	T,E, 25	I	Low hilltop	Estimated yield, 750 gallons a minute.
130	51.1	May 22, 1937	T,G, 35	I	Flat	Irrigates 160 acres cotton. Permanent supply.
132	--	--	T,G, 85	I	do.	Irrigates 100 acres cotton. Permanent supply.
134	43.8	Dec. 8, 1937	C,W	D,S	do.	Estimated yield, 3 gallons a minute. Permanent supply.
135	41.4	June 21, 1937	T,G, 35	I	--	Located near small lake. Irrigates 100 acres cotton.
136	38.9	do.	T,G, 85	I	Flat	152 feet 15 $\frac{1}{2}$ -inch steel casing. Estimated yield, 800 gallons a minute.
138	46.3	Apr. 13, 1937	T,G, 85	I	do.	Estimated yield, 850 gallons a minute.
139	28.2	do.	T,G, 85	I	do.	Estimated yield, 700 gallons a minute. Permanent supply. Reported altitude,
140	33.5	Apr. 14, 1937	T,G, 85	I	do.	Estimated yield, 1,000 gal-3,251.2 feet. lons a minute. Tenant reports original depth, 130 feet. Reported altitude,
141	36.3	do.	T,G, 85	I	--	150 feet 17-inch steel cas-3,243.7 feet. ing. Original depth reported, 150 feet.
142	28.8	June 22, 1937	T,G, 85	I	Flat	100 feet 17 $\frac{1}{2}$ -inch steel casing. Estimated yield, 1,000 gallons a minute.
143	24	d/	T,G, 85	I	do.	Estimated yield, 800 gallons a minute. Measured pumping level, 40.0 feet, Apr. 1 1937, after pumping 5 weeks. Tenant reports original depth, 134 feet.
144a	30	e/	T,G,-	I	Gentle slope	Reported 26 feet drawdown after pumping about 900 gallons a minute for 10 days.
144b	58	e/	T,G, 28	I	do.	Reported 25 feet drawdown after pumping about 850 gallons a minute for 25 hours.
149	45	d/	T,G, 85	I	--	Owner reports 12 feet drawdown after pumping 800 gallons a minute for 72 hours.
151	29.7	Apr. 13, 1937	C,W	None	--	See log.
153	40.1	Dec. 8, 1936	C,W	D,S	Flat	Pumping when measured.
154	40.6	June 21, 1937	T,G, 85	I	do.	Reported yield, 800 gallons a minute. Irrigates 125 acres cotton.
156	40.5	Dec. 8, 1936	Cf,E, 25	I	do.	20 feet 14-inch steel casing. Estimated yield, 750 gallons a minute.
158	75.9	Dec. 6, 1936	T,E, 30	P	do.	See log.

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

d/ Water level reported.

e/ No water sample collected for analysis.

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

No.	Distance from Lubbock	Section	Survey, Block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
e/159	1 $\frac{3}{4}$ miles west	1, SE $\frac{1}{4}$ NW $\frac{1}{4}$	blk. E2	Texas Tech. College	L. ... Peoples	--	--	--	0.8
160	do.	1, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	do.	--	200	24	--
e/161	1 $\frac{1}{2}$ miles northwest	20, SE $\frac{1}{4}$ SE $\frac{1}{4}$	blk. A	City of Lubbock well No. 3	--	--	122	--	2
e/162	1 mile west	2, NW $\frac{1}{4}$ NE $\frac{1}{4}$	blk. 0	City of Lubbock well No. 5	Coy Rodgers	1929	150	24	0.8
e/163	1 mile northwest	19, NE $\frac{1}{4}$ SE $\frac{1}{4}$	blk. A	P. & S.F.	--	1934	89	--	--
e/172	$\frac{3}{4}$ mile northeast	79, SE $\frac{1}{4}$ W $\frac{1}{2}$	do.	City of Lubbock well No. 1	Gaut Baker	1925	98	24	3
e/173	do.	1, NE $\frac{1}{4}$	blk. 0	City of Lubbock well No. 3	San Geronimo ham	1931	100	--	--
e/174	$\frac{1}{2}$ mile north	1, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	City of Lubbock well No. 2	--	--	300	24	1.2
e/175	In Lubbock	1, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	P. & S.F. well No. 1	--	--	150	10	--
e/176	do.	1, SW $\frac{1}{4}$ E $\frac{1}{4}$	do.	P. & S.F. well No. 2	--	--	150	8	--
e/178	do.	1, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	City of Lubbock well No. 6	R.P. Brazzil	1931	142	--	1.2
e/179	do.	1, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	City of Lubbock well No. 3	do.	1931	157	--	0.4
e/180	do.	3, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	P. & S.F.	B. W. Maxwell	1928	91	--	--
e/182	1 mile east	3, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	City of Lubbock	R. P. Brazil	1931	135	--	--
e/183	do.	3, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	Sam Cunningham	1931	110	18	--
e/185	2 miles east	4, NE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	--	--	--	100	--	0.5
188	3 miles east	5, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	State of Texas	L. A. Peoples	1936	124	12	1
192	6 $\frac{1}{2}$ miles east	69, SW $\frac{1}{4}$ SW $\frac{1}{4}$	blk. A	Canyon School	--	--	62	6	0.2
193	7 miles east	70, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	J. A. Burlison	--	1937	125	16	--
e/197	4 $\frac{1}{2}$ miles east	25, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Mrs. W. G. Nairne	--	--	64	--	0.5
199	3 $\frac{1}{4}$ miles northeast	6, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Jess Levens	--	--	59	--	1
200	3 $\frac{3}{4}$ miles northeast	41, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	N. E. Ward School	--	--	--	6	--
e/201	3 $\frac{1}{2}$ miles northeast	8, NE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Ed Vaughn	--	1936	--	--	1
e/202	5 miles northeast	42, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Robt. H. Bean	L. A. Peoples	1936	140	15 $\frac{1}{4}$	0.8

## M. G. Fughett and B. G. Brigance, Project Superintendents

No.	Water Level		Pump and power b/ c/	Use of water c/	Topographic situation	Remarks
	Depth below measuring point (feet)	Date of measurement				
159	62.5	Dec. 7, 1936	T,E, 15	P	Flat	Estimated yield, 400 gallons a minute. Reported altitude, 3,213.42 feet.
160	54.8	Dec. 1, 1936	T,E, 40	P	do.	Measuring point was top side of hole in pump base, 10 feet below surface.
161	67.5	Dec. 4, 1936	T,E, 30	P	Upland flat	Reported altitude, 3,214.7 feet.
162	67.9	Dec. 6, 1936	T,E, 20	P	--	See log.
163	50	d/	C,W	D	Flat	Reported altitude, 3,207 feet. See log.
172	23.7	Dec. 4, 1936	T,E, 30	P	In canyon	Water reported in gravel, 94-98 feet.
173	9	d/	--	N	--	Hard rock reported, 83-85 feet.
174	73.2	Dec. 6, 1936	T,E, 25	P	Upland flat	Red and blue clay reported, 200-300 feet.
175	--	--	C,-,-	Ind	Side of canyon	Reported yield, 65 gallons a minute. Reported altitude, 3,241 feet. See log.
176	80	d/	C,-,-	Ind	do.	Reported yield, 75 gallons a minute. Reported altitude, 3,241 feet.
178	73.4	Dec. 8, 1936	T,E, 20	P	--	Reported normal water level, 60 feet.
179	70.1	Dec. 4, 1936	T,E, 30	P	Upland flat	See log.
180	66	d/	--	--	Side of canyon	Located on west side of canyon. Estimated yield, 20 gallons a minute. See log.
182	5	1931 d/	None	N	--	Drilled as test well and later filled in. Sands reported, 5-13, 18-40, 50-61, 68-97
183	9	1931 d/	None	N	--	Drilled as test well. 18-inch steel casing set at 50 feet. 97 feet 12 $\frac{1}{2}$ -inch casing, lower 43 feet perforated. 15 feet drawdown after pumping 400 gallons a
185	61.8	Mar. 8, 1937	C,H	S	--	minute for 72 hours, March 23, 1931.
188	78.2	Mar. 8, 1937	T,G,-	I	Flat	Coarse sand reported, 105-115 feet. Gravel reported, 115-120 feet. Concrete curb; 124 feet 12-inch steel casing, bottom 50 feet perforated. Reported yield, 450 gallons a minute. Located at Texas
	79.4	May 8, 1937				
192	54.5	Mar. 9, 1937	C,W	P	do.	Estimated yield, Experiment Station #8, 3 gallons a minute. Supplies school.
193	50	d/	T,C, 85	I	do.	125 feet 16-inch steel casing. Irrigates 115 acres cotton.
197	48.1	June 23, 1937	C,-,-	--	do.	Wood clamp.
199	51.7	Jan. 28, 1937	C,W	D,S	--	
200	--	--	C,W	P	--	Estimated yield, 2 gallons a minute. Supplies school.
201	76.4	Jan. 28, 1937	T,G,-	I	Hilltop	
202	57	do.	T,-,-	I	--	110 feet 15 $\frac{1}{4}$ -inch steel casing, 30 feet 14 $\frac{1}{2}$ -inch steel casing.

Records of wells and springs in Lubbock County--Continued

No.	Distance from Lubbock	Section	Survey, Block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
203	5½ miles northeast	42, NW¼NE¼	blk. A	Russel Bean	L. A. Peoples	1934	138	15½	--
e/204	6 miles northeast	44, NW¼SW¼	do.	Perrin Bean	do.	1936	217	15½	1
e/205	5½ miles northeast	45, NW¼SW¼	do.	J. H. Hettler	--- Cook	1934	129	14	1.5
207	8 miles northeast	56, SE¼SE¼	do.	--- Shirley	---	---	53	6	0.8
e/209	6 miles northeast	47, NW¼NW¼	do.	Frank J. Hettler	Byron Drilling Co.	1937	120	15½	--
216	10 miles east	16, NW¼NW¼	T.T., blk. RG	J. T. Mathiasly	L. A. Peoples	1933	78	--	0.3
e/217	8½ miles east	3, NW¼NE¼	do.	Sam Hampton	do.	1936	180	16	1.2
e/218	8 miles northeast	67, NW¼NE¼	blk. A	T. B. Harrison	do.	1936	110	16	0.8
e/219	9½ miles east	5, NW¼NW¼	T.T., blk. RG	Ed Harrison	do.	1935	193	16	1.4
e/220	12 miles east	41, NE¼NE¼	E.L. & R.R., blk. D7	Clint Debusk	---	---	64	--	0
e/221	12½ miles northeast	156, NW¼NW¼	blk. C	Bill Turner	---	---	59	--	--
e/222	12 miles east	10, NW¼NE¼	T.T., blk. RG	R. T. Groves	L. A. Peoples	1937	250	12	1.2
e/223	do.	11, SE¼SE¼	do.	W. C. Grines	---	1924	85	--	0.4
e/224	11 miles east	4, NE¼NE¼	San Augustine Co. Sch. land, blk. 4	San Augustine Ranch	---	---	---	---	1.5
225	13½ miles east	122, NW¼SW¼	blk. C	Acuff School	---	1921	100	--	0.5
e/226	do.	120, SW¼SW¼	do.	---	---	---	100	--	1
227	14 miles east	119, NW¼NW¼	do.	---	---	---	76	--	1
e/228	16 miles east	91, NE¼SE¼	do.	---	---	---	83	6	2.5
229	do.	90, NE¼SE¼	do.	---	---	---	65	--	1
230	15 miles east	87, NE¼NW¼	do.	Guss Collett	L. A. Peoples	1933	100	6	1
231	16 miles east	86, NE¼NE¼	do.	E. H. Cummings	---	Old	107	--	0.8
232	14 miles east	12, NW¼NW¼	San Augustine Co. Sch. land, blk. 1	Lrc. Annie E. Parks	---	---	100	--	0.5
233	13 miles east	7, NE¼NE¼	do.	Mrs. U. P. Pace	---	---	200	6	0.4
234	11 miles east	8, SW¼SW¼	San Augustine Co. Sch. land, blk. 4	San Augustine Ranch	---	---	100	--	1
235	10 miles east	13, SE¼NE¼	blk. I	W. F. Klattenhoff	---	---	76	--	0.3

## M. G. Hughett and B. G. Brigrance, Project Superintendents

No.	Water Level		Pump and power b/	Use of water c/	Topographic situation	Remarks
	Depth below measuring point (feet)	Date of measurement				
203	--	--	T,G,-	I	Flat	100 feet steel casing at bottom. Estimated yield, 900 gallons a minute.
204	50.2	Jan. 28, 1937	T,-,-	I	--	120 feet 15 $\frac{1}{4}$ -inch steel casing. Reported yield, 800 gallons a minute.
205	40.8	do.	T,G,-	I	--	104 feet steel casing. Water sands reported, 97-104 feet; 113-126 feet.
207	38.5	Mar. 9, 1937	C,W	D,S	Flat	Estimated yield, 3 gallons a minute. Pumping when measured.
209	34	d/	T,G, 50	I	do.	Reported yield, 1,000 gallons a minute. Irrigates 200 acres wheat and cotton.
216	52.6	Feb. 3, 1937	C,W	I	do.	Estimated yield, 4 gallons a minute.
217	45.5	Feb. 4, 1937	T,G,-	I	do.	120 feet 16-inch steel casing. Reported yield, 900 gallons a minute. Irrigates 50 acres wheat, 60 acres cotton, 30 acres
218	45.2	Feb. 5, 1937	T,G,-	I	do.	Estimated yield, 900 gallons a minute. Irrigates 125 acres cotton, 30 acres
219	44.4	do.	T,G,-	I	do.	60 feet 16-inch steel casing, 48 feet 14-inch steel casing. Reported yield, 750 gallons a minute. Irrigates 90 acres cotton, 30 acres
220	55.7	June 25, 1937	None	N	do.	corn, 25 acres feed.
221	55.2	do.	C,W,N	N	do.	corn, 10 acres feed.
222	54.9	Feb. 5, 1937	T,G,-	I	do.	
223	47.2	Feb. 4, 1937	C,W	D,S	do.	Good quality water reported.
224	56.5	Feb. 3, 1937	T,G, 80	I	do.	
225	53.9	do.	C,W	P	do.	Reported yield, 3 gallons a minute. Supplies school.
226	73.5	do.	C,W	N	do.	
227	59.5	Feb. 4, 1937	C,W	D,S	--	Concrete curb.
228	70.9	Feb. 3, 1937	C,H	N	Edge of shallow basin	6-inch steel curb and casing at top.
229	69.3	do.	C,W	D,S	Flat	
230	75.1	do.	C,W	D,S	--	Estimated yield, 6 gallons a minute. Pumping when measured.
231	73.3	Jan. 14, 1937	C,W	D,S	Flat	Estimated yield, 3 gallons a minute. Permanent supply.
232	91.5	Jan. 20, 1937	C,W	D,S	--	
233	63.6	do.	None	N	Flat	200 feet 8-inch steel casing.
234	57.1	do.	C,W	D,S	do.	Wood clamp.
235	73.6	do.	C,W	D,S	do.	Concrete curb. Weak supply.



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

No.	Distance from Lubbock	Section	Survey, Block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
236	12 $\frac{1}{2}$ miles east	21, SE $\frac{1}{4}$ SE $\frac{1}{4}$	San Augustine Co. Sch. land, blk. 4	W. L. Ferris	Ben Cavitt	--	100	--	1
e/237	13 $\frac{1}{2}$ miles east	14, SW $\frac{1}{4}$	San Augustine Co. Sch. land, blk. 2	C. L. Basinger	L. A. Peoples	1935	245	15	--
238	14 $\frac{1}{2}$ miles east	5, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Mrs. Annie E. Parks	--	--	100	--	0.5
239	16 miles east	5, SE $\frac{1}{4}$ SE $\frac{1}{4}$	D. & S. E., blk. D19	W. A. Ferguson	--	--	--	--	0.3
240	16 $\frac{1}{2}$ miles east	45, NE $\frac{1}{4}$ NE $\frac{1}{4}$	blk. I	W. E. Meyer	--	--	185	5	1.2
241	18 miles southeast	2, SW $\frac{1}{4}$ SW $\frac{1}{4}$	E. L. & R. R., blk. B9	O. W. Carr	Ben Cavitt	1936	140	5	0.4
e/242	16 $\frac{1}{2}$ miles southeast	41, SE $\frac{1}{4}$ SE $\frac{1}{4}$	G. C. & S. F., blk. S	P. & S. F. well No. 4	--	1925	130	10	--
e/243	do.	do.	do.	P. & S. F. well No. 5	--	1921	130	10	--
e/244	do.	do.	do.	P. & S. F. well No. 12	--	1925	155	10	--
e/245	do.	do.	do.	P. & S. F. well No. 8	G. W. Guinn	1919	230	10	--
e/246	do.	do.	do.	P. & S. F. well No. 9	D. L. McDonald	1924	137	26	--
e/247	do.	do.	do.	P. & S. F. well No. 13	--	--	600	10	--
e/248	do.	41, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	P. & S. F. well No. 3	--	1925	138	10	--
e/249	16 miles southeast	41, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	P. & S. F. well No. 1	--	--	157	10	--
e/250	do.	do.	do.	P. & S. F. well No. 2	--	--	157	10	--
251	13 $\frac{1}{2}$ miles southeast	51, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	--	--	--	--	--	0.3
e/252	14 miles southeast	43, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	--	--	--	--	--	--
253	14 $\frac{1}{2}$ miles southeast	43, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	City of Slaton well No. 1	W. M. Edwards	1925	135	18	2.5
254	do.	43, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	City of Slaton well No. 3	-- Dottie	--	206	18	2.3
255	do.	43, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	City of Slaton well No. 2	-- Mc-Donald	--	125	18	--
e/256	14 miles southeast	43, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	A. I. & S. F. well No. 9	--	1924	--	--	--
257	do.	34, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	W. M. Johnson	Dallas Capps	1915	165	6	--
259	12 miles southeast	29, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	--	--	--	107	--	0.8
e/260	10 $\frac{1}{2}$ miles southeast	27, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	P. & S. F. well No. 2	--	--	250	--	--
e/261	10 miles southeast	do.	do.	P. & S. F. well No. 1	--	--	250	--	--

## H. G. Hughett and B. G. Brigance, Project Superintendents

No.	Water Level		Pump and power b/	Use of water c/	Topographic situation	Remarks
	Depth below measuring point (feet)	Date of measurement				
236	88.1	Jan. 20, 1937	C,W	D,S	--	Concrete curb.
237	95.8	May 19, 1937	T,G, 85	I	--	Estimated yield, 300 gallons a minute. Reported continuous water sands, 95-185
238	69.2	Jan. 20, 1937	C,W	D,S	Flat	Concrete curb. feet.
239	71.9	Jan. 14, 1937	C,W	D,S	--	Estimated yield, 3 gallons a minute. Pumping when measured.
240	82.5	do.	C,W	D,S	Flat	Wood clamp; 185 feet 5-inch steel casing.
241	115.4	Jan. 26, 1937	C,W	D,S	do.	140 feet 5-inch steel casing. Reported yield, 4 gallons a minute. Pumping when
242	95	d/	None	N	Side of canyon	118 feet 10-inch steel casing. measured. 21 feet 8-inch strainer on bottom. Reported altitude, 3,152 feet. Reported to
243	95	d/	None	N	do.	Owner reports failed have failed once. once.
244	95	d/	None	N	do.	Do.
245	99	d/	--	Ind	do.	Reported yield, 125 gallons a minute. See log.
246	82	d/	--	Ind	do.	Reported yield, 250 gallons a minute. 57 feet 17-inch perforated casing. See log.
247	--	--	None	N	--	Owner reports failed once. Reported altitude, 5,127 feet. See log.
248	95	d/	None	N	Side of canyon	Owner reports failed once. Reported altitude, 3,152 feet. See log.
249	--	--	C,W	D	do.	See log.
250	--	--	C,W	D	do.	Do.
251	102.8	Jan. 20, 1937	C,W	D,S	--	Concrete curb.
252	--	--	T,E, 20	Ind	--	Reported yield, 140 gallons a minute. See log.
253	85	1925	T,E, 15	P	--	Reported yield, 235 gallons a minute. Pumping test in 1925: 250 gallons a minute, 23 feet drawdown; 500 gallons a minute, 33 feet drawdown. See log.
	100.4	Jan. 18, 1937				
254	101.9	Jan. 18, 1937	T,E, 40	P	Gentle slope	206 feet of 18-inch steel casing. Reported yield, 360 gallons a minute.
255	--	--	T,E, 15	P	Low hilltop	125 feet of 18-inch steel casing. Reported yield, 140 gallons a minute.
256	86.1	Feb. 11, 1937	T,E, 20	Ind	--	Reported yield, 175 gallons a minute. Reported 22 feet drawdown, pumping 250 gallons a minute in 1924. See log.
257	100	d/	C,W	D,S	Flat	135 feet of 6-inch steel casing.
259	101.8	Jan. 26, 1937	C,W	D,S	do.	Concrete curb.
230	105	d/	None	N	do.	Located in Posey. Owner reported yield, 20 gallons a minute, casing pulled. Reported altitude, 3,191 feet.
261	105	d/	None	N	do.	Do.

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

No.	Distance from Lubbock	Section	Survey, Block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter or well (in.)	Height of measuring point above ground (ft.) <sup>a/</sup>
e/262	10 miles southeast	27, SE $\frac{1}{4}$ NE $\frac{1}{4}$	G.C.& S.F., blk. S	P.& S.F. well No. 4	G. W. Guinn	1920	123	5-5/8	--
263	9 $\frac{1}{2}$ miles east	7, SW $\frac{1}{4}$ NE $\frac{1}{4}$	blk. I	W. H. Rogers	--	--	Spring	--	--
264	do.	7, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	--	--	Spring	--	--
265	9 miles east	7, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	--	--	Spring	--	--
266	do.	7, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	--	--	Spring	--	--
267	7 miles east	17, NE $\frac{1}{4}$ SE $\frac{1}{4}$	G.C.& S.F., blk. S	--	--	--	100	--	0
268	do.	75, NW $\frac{1}{4}$ NE $\frac{1}{4}$	blk. A	E. H. Foerster	-- Mullins	1936	116	16	--
269	do.	70, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	H. C. Atwood	O. S. Brock	1937	130	14	--
270	5 miles southeast	5 $\frac{1}{2}$ , SW $\frac{1}{4}$ S $\frac{1}{2}$	blk. Z	Geo. H. Miles	do.	1936	100	5	1.2
e/270a	4 $\frac{1}{2}$ miles southeast	11, SE $\frac{1}{4}$ SW $\frac{1}{4}$	blk. B	--	--	--	--	--	--
e/274	1 mile southeast	5, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	City of Lubbock	R. P. Brazil	1931	158	18	0.5
e/275	In Lubbock	7, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	City of Lubbock	do.	1931	154	--	--
276	1 $\frac{1}{2}$ miles southeast	5, center	do.	do.	Baron Drilling Co.	1937	152	--	1
277	1 $\frac{1}{2}$ miles south	7, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	L. Korshner	-- Elliot	1933	120	8	0.2
278	1 $\frac{3}{4}$ miles south	0, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	--	--	--	100	--	0.2
e/279	do.	6, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	C. B. Berry	-- Mullins	1936	122	14	2
e/280	1 $\frac{1}{4}$ miles southeast	5, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	F. K. Mitchell	do.	1935	120	--	0.8
e/281	do.	5, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	A. Judd	--	1927	125	14	0.6
282	2 $\frac{1}{2}$ miles south	8, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	L. E. Guilot	--	--	74	--	0.3
283	3 miles south	3, NE $\frac{1}{4}$ SE $\frac{1}{4}$	G.C.& S.F., blk. E	J. A. McClatchoy	--	--	100	--	0.6
285	3 $\frac{1}{2}$ miles southeast	2, NW $\frac{1}{4}$ NE $\frac{1}{4}$	G.C.& S.F., blk. S	W. H. Chesney	A. J. Nordycke	1934	102	6	--
287	6 miles southeast	5, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Edna G. Stoele	--	1920	64	5	1
e/288	7 $\frac{1}{2}$ miles southeast	21, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	--	--	--	4,105	3 $\frac{1}{4}$	--
291	do.	13, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	H. P. Gueterslob	--	--	83	--	0.7
293	10 miles southeast	28, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	James L. Denton, Sr.	Roy Jones	1920	79	--	1

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

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

## H. G. Hughtett and B. G. [redacted], Project Superintendents

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				
262	81	<u>d/</u>	--	Ind	Flat	Located in Posey. See log.
263	Flows	May 11, 1937	None	D	In canyon	Estimated flow, 5 gallons a minute from 1 opening in white sand.
264	Flows	do.	None	--	do.	Estimated flow, 2 gallons a minute from 1 opening in canyon wall.
265	Flows	do.	None	D	do.	Flows from 5 openings in lime rock. Supplies swimming pool and bath house. Re-
266	Flows	do.	None	D	do.	Flows from 1 [redacted] reported temperature 55° F. opening in side of hill.
267	72.5	Dec. 21, 1936	C,W	D,S	Flat	Estimated yield, 5 gallons a minute. Pumping when measured.
268	50	<u>d/</u>	T,G, 85	I	do.	118 feet steel casing. Irrigates 160 acres cotton. Permanent supply.
269	62	<u>d/</u>	T,G, 85	I	do.	130 feet of 14-inch steel casing. Re-
270	88.1	Dec. 21, 1936	C,W	D,S	do.	100 feet of 5- [redacted] gates 110 acres cotton. inch steel curb and casing. Estimated
270a	--	--	--	I	--	[redacted] yield, 5 gallons a minute.
274	59.2	Dec. 4, 1936	T,E, 40	P	--	Screen set at 60-80 feet, 115-130 feet, and 130-140 feet.
275	56	1931 <u>d/</u>	None	N	--	Drilled as test well. Reported insuffi-
276	56.4	Apr. 22, 1937	--	P	--	152 feet steel curb and casing. Reported 55 feet drawdown after pumping 650 gallons a minute for 72 hours. See log.
277	65.1	Jan. 15, 1937	C,W	I	Flat	45 feet of 8-inch steel casing. Measured 6.83 feet drawdown after pumping about 45
278	78.3	Mar. 8, 1937	C,W	N	--	[redacted] gallons a minute for $\frac{1}{2}$ hour.
279	65.5	Jan. 15, 1937	T,G,-	I	Gentle slope	46 feet of 14-inch steel casing in bottom. Reported yield, 450 gallons a minute.
280	59.9	Mar. 8, 1937	T,E, 10	I	--	Reported [redacted] Good quality water reported. yield, 400 gallons a minute. Irrigates 7
281	54.6	Jan. 15, 1937	T,G,-	I	Flat	Reported [redacted] acres cotton and 9 acres truck. yield, 400 gallons a minute.
282	55	Dec. 18, 1936	C,W	D,S	Basin slope	Estimated yield, 2 gallons a minute.
283	87	Dec. 22, 1936	C,W	D,S	Flat	Estimated yield, 3 gallons a minute.
285	49	<u>d/</u>	C,G,3	I	do.	Estimated yield, 30 gallons a minute. Owner reports water in white sand at 50-
287	49.9	Jan. 6, 1937	C,W	D,S	do.	Estimated yield, 2 gallons a [redacted] 100 feet. minute.
288	--	--	None	N	Hilltop	Oil test.
291	69.6	Jan. 20, 1937	C,W	D,S	Flat	Estimated yield, 4 gallons a minute.
293	74.8	Jan. 26, 1937	C,W	D,S	do.	Concrete curb. Estimated yield, 2 gallons a minute.

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

d/ Water level reported.

e/ No water sample collected for analysis.

Records of wells and springs in Lubbock County--Continued

No.	Distance from Lubbock	Section	Survey, Block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
294	11½ miles southeast	60, SE¼SE¼	G.C. & S.F., blk. S	Mrs. J. W. Raines	--	--	84	6	0.7
295	10 miles southeast	73, SW¼NW¼	do.	--	--	--	100	--	0.5
297	9 miles southeast	65, SW¼SW¼	do.	--	--	--	100	--	0.8
298	6 miles southeast	8, NW¼NW¼	do.	Jerome I. Case	--	--	66	--	0.9
299	6 miles south	25, S½	S. I. Johnson	-- Kelly	--	--	100	--	0.3
301	8 miles south	68, SE¼SE¼	G.C. & S.F., blk. S	New Hope School	--	--	70	--	0.8
302	do.	24, S½	S. I. Johnson	Fred E. Minssen	--	--	100	--	0.4
303	8½ miles south	18, SW¼SE¼	G.C. & S.F., blk. E	R. L. Stewart	A. J. Nordycke	1937	165	16	0
305	7½ miles south	5, SE¼SE¼	do.	H. B. Davis	--	--	97	6	0.4
307	6 miles south	11, SW¼NE¼	do.	Dr. L. I. Krueger	L. A. Peoples	1934	161	18	1.3
309	5½ miles south	9, SE¼SE¼	do.	J. J. McGaw	--	--	98	--	0.5
312	2 miles southwest	14, NE¼NE¼	blk. B	H. C. Kinser	--	1916	90	--	0
e/313	2¼ miles west	13, NW¼NW¼	do.	City of Lubbock	Sam Cunningham	1931	142	--	--
314	4 miles southwest	17, SE¼SE¼	do.	-- Zelmar	J. R. Watson	--	150	--	1.5
e/315	4¼ miles west	5, SE¼SE¼	blk. E2	Dr. L. C. Overton	J. C. Cook	1934	92	12	0.3
316	4¼ miles southwest	6, SE¼NE¼	do.	E. A. Hawkins	-- Kelly	1936	123	13½	1.5
317	5½ miles southwest	6, NE¼SW¼	do.	Charles Adams, Jr.	--	--	--	--	0.8
e/318	4½ miles southwest	9, NW¼NE¼	do.	-- Baker	--	--	--	6	0.4
e/319	4½ miles southwest	8, SE¼SE¼	do.	W. W. Snodgrass	--	--	100	--	0.8
321	6½ miles southwest	26, NE¼NE¼	do.	J. Curtis Heald	--	--	100	6	0.3
324	7½ miles south	22, NE¼SE¼	do.	E. C. Haddon	O. S. Brock	1933	100	--	0.3
326	9½ miles south	3, SE¼SE¼	blk. AK	F. P. Clark	--	--	100	6	1
328	10 miles southwest	10, NE¼NE¼	do.	W. C. Ratliff	H. Towce	1925	100	--	0.2
329	11 miles southwest	11, NW¼NW¼	do.	E. L. McCrummen	--	--	--	6	0.3
330	12½ miles southwest	16, SW¼SW¼	do.	Dr. A. C. Holder	--	1937	170	16	1

## H. G. Hughtett and B. G. Brinson, Project Superintendents

No.	Water Level		Pump and power b/	Use of water c/	Topographic situation	Remarks
	Depth below measuring point (feet)	Date of measurement				
294	62.5	Jan. 20, 1937	C,W	D,S	Flat	64 feet of 6-inch steel casing, lower 20 feet perforated. Pumping when measured.
295	83.4	do.	C,W	D,S	do.	Estimated yield, 2 gallons a minute.
297	74.5	do.	C,W	D,S	do.	
298	53.4	Jan. 6, 1937	C,W	D,S	do.	
299	71.1	Jan. 4, 1937	C,W	D,S	do.	
301	58.5	Jan. 6, 1937	C,W	P	do.	Concrete curb. Estimated yield, 3 gallons a minute. Supplies school.
302	58.7	Jan. 4, 1937	C,W	D,S	--	Pumping when measured. Estimated yield, 2 gallons a minute.
303	81.9	do.	T,G,--	I	--	137 feet of 16-inch steel casing. Well was being drilled when visited.
305	80.8	Dec. 22, 1936	C,W	D,S	Flat	Estimated yield, 3 gallons a minute.
307	92.6	Dec. 18, 1936	T,G, 40	I	do.	160 feet steel casing. Reported yield, 700 gallons a minute.
309	87.9	Dec. 22, 1936	C,W	D,S	--	Estimated yield, 2 gallons a minute.
312	77.6	Dec. 18, 1936	C,W	D,S	Flat	Permanent supply.
313	55	d/	None	N	--	Drilled as test well. Reported insufficient water-bearing formation.
314	52.5	May 27, 1937	T,G, 35	I	Flat	101 feet of 16-inch steel casing, 60 feet perforated. Reported altitude, 3,245.9 feet.
	49.5	June 21, 1937				
315	73	Dec. 9, 1936	T,G,--	I	do.	Reported yield, 300 gallons a minute. Reported altitude, 3,260.6 feet.
316	64.9	May 27, 1937	T,G, 85	I	do.	123 feet steel casing. Irrigates 30 acres cotton and truck. Reported altitude, 5,269.5 feet.
	64.4	June 21, 1937				
317	66.3	Dec. 9, 1936	T,G,--	I	do.	Concrete curb. Reported altitude, 5,275.4 feet.
318	73.9	do.	C,W	D,S	do.	Concrete curb.
319	85.3	Dec. 23, 1936	C,W	D,S	do.	Strong supply.
321	77.8	Dec. 14, 1936	C,W	D,S	Edge of basin	Estimated yield, 4 gallons a minute.
324	81.7	Dec. 23, 1936	C,W	D,S	Flat	Concrete curb.
326	97.5	do.	C,W	D,S	do.	6-inch steel curb and casing.
328	95.5	Dec. 15, 1936	C,W	D,S	Upland flat	Permanent supply.
329	74.7	do.	C,W	D,S	--	Concrete curb; 6-inch steel casing. Estimated yield, 4 gallons a minute.
330	82.1	May 13, 1937	T,G, 85	I	Flat	170 feet of 16-inch steel casing. Estimated yield, 300 gallons a minute. Water reported in white sand.

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

No.	Distance from Lubbock	Section	Survey, Block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
331	13 miles southwest	20, NW $\frac{1}{4}$ NE $\frac{1}{4}$	C. & M. blk. CE	J. L. Locklar	-- Jay	--	89	--	0.3
332	11 $\frac{1}{2}$ miles southwest	29, SE $\frac{1}{2}$ NE $\frac{1}{4}$	do.	--	--	--	--	--	0.3
333	9 $\frac{1}{2}$ miles southwest	19, NW $\frac{1}{4}$ NW $\frac{1}{4}$	blk. AK	Wilmer McCrummen	--	1936	--	6	1
e/334	11 miles southwest	31, SW $\frac{1}{4}$ NE $\frac{1}{4}$	blk. D6	M. E. Casey	-- Handley	1936	208	16	1.4
e/335	11 $\frac{1}{2}$ miles southwest	31, SE $\frac{1}{2}$ NW $\frac{1}{4}$	do.	G. W. Wright	do.	1936	208	16	2
336	10 $\frac{1}{2}$ miles southwest	21, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	--	--	--	--	--	1
337	8 $\frac{1}{2}$ miles southwest	30, NW $\frac{1}{4}$ SW $\frac{1}{4}$	blk. AK	Dr. J. T. Hutchinson	--	--	--	--	0
338	9 miles west	34, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	George Langford	L. A. Peoples	1937	--	15	--
e/339	8 $\frac{1}{2}$ miles west	34, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	J. E. Hinson	Bonny Byron	1937	162	15	0.5
340	8 miles west	34, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	Winfield Scott	1921	--	6	0.7
341	7 $\frac{1}{2}$ miles west	38, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Travis Tubbs	--	1937	173	15 $\frac{1}{2}$	--
342	8 miles west	39, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	S. O. Adanson	--	1937	169	15	0.6
343	9 $\frac{1}{2}$ miles west	10, SE $\frac{1}{2}$ NE $\frac{1}{4}$	blk. D6	J. P. Thomas	--	--	--	6	0
e/344	11 $\frac{1}{2}$ miles west	12, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	D. S. Tucker	--	--	90	--	0.2
345	do.	12, LW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	D. L. Handley	1933	196	15 $\frac{1}{2}$	1
346	13 $\frac{1}{2}$ miles west	11, -- SW $\frac{1}{4}$	do.	A. M. Leftwich	John De Paul	--	86	--	0.5
347	12 miles west	15, SE $\frac{1}{2}$ NE $\frac{1}{4}$	do.	J. S. Sharp	L. A. Peoples	1937	190	15	--
348	11 $\frac{1}{2}$ miles west	18, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	L. N. Jordan	--	--	--	--	0.3
349	13 $\frac{1}{2}$ miles west	20, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	L. N. Theiler	--	--	--	--	0.3
350	12 miles west	18, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	R. D. Martin	L. A. Peoples	1937	206	15 $\frac{1}{2}$	--
e/351	11 $\frac{1}{2}$ miles west	22, SE $\frac{1}{2}$ SW $\frac{1}{4}$	do.	--	--	--	--	6	1.5
352	14 miles southwest	30, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	W. V. Hill	A. J. Nordycke	1937	155	15	1.6
353	do.	30, center	do.	W. H. Hill	--	1936	170	16	2
354	14 $\frac{1}{2}$ miles southwest	23, NW $\frac{1}{4}$ NW $\frac{1}{4}$	C. & M., blk. CB	I. Elwood	John De Paul	1932	--	--	0.5
355	13 $\frac{1}{2}$ miles southwest	26, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	J. A. Medlock	D. L. Handley	1936	188	15	0.3
356	12 $\frac{1}{2}$ miles southwest	25, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	A. M. Hughes	--	--	--	6	1

## H. G. Hughett and B. G. Brigrance, Project Superintendents

No.	Water Level		Pump and power b/	Use of water c/	Topographic situation	Remarks
	Depth below measurement point (feet)	Date of measurement				
331	74.6	Dec. 15, 1936	C,W	D,S	--	Concrete curb. Estimated yield, 3 gallons a minute. Pumping when measured.
332	95.9	Dec. 14, 1936	C,W	D,S	Flat	Estimated yield, 2 gallons a minute.
333	81.9	do.	C,W	S	do.	6-inch cast iron curb and casing.
334	73.8	May 14, 1937	T,G, 85	I	do.	Reported 37 feet drawdown after pumping 850 gallons a minute for 45 hours. Reported altitude, 3,321.2 feet. See log.
335	93.1	do.	T,G, 85	I	do.	Reported 18 feet drawdown after pumping 850 gallons a minute for 72 hours. Reported altitude, 3,322.4 feet.
336	82.2	Dec. 14, 1936	C,W	D,S	do.	Estimated yield, 3 gallons a minute.
337	60.9	do.	C,W	D,S	do.	Irrigates 160 acres cotton.
338	--	--	T,G, 85	I	do.	15 feet of 15-inch steel casing. Irrigates 100 acres cotton.
339	62.7	May 18, 1937	T,G, 85	I	do.	Concrete curb. Estimated yield, 3 gallons a minute. Permanent supply.
340	62.4	Dec. 9, 1936	C,W	D,S	do.	173 feet steel casing. Irrigates 180 acres cotton.
341	59.9	May 18, 1937	T,G, 85	I	do.	Permanent supply.
342	65.4	do.	T,G, 85	I	do.	Estimated yield, 2 gallons a minute. Pumping when measured.
343	73.8	Dec. 9, 1936	C,W	D,S	do.	Estimated yield, 3 gallons a minute.
344	75.1	do.	C,W	D,S	do.	Estimated yield, 3 gallons a minute.
345	81.3	do.	T,G,--	I	Hilltop	Reported 28.33 feet drawdown after pumping 800 gallons a minute for 40 minutes.
346	74.6	Dec. 2, 1936	C,W	D,S	Flat	Concrete curb. 1 joint casing at bottom. Estimated yield, 3 gallons a minute. See log.
347	80.3	May 20, 1937	T,G, 85	I	do.	170 feet steel casing. Reported yield, 750 gallons a minute.
348	79.3	Dec. 9, 1936	C,W	D,S	do.	
349	81.2	Dec. 2, 1936	C,W	D,S	Flat	Estimated yield, 2 gallons a minute.
350	79.3	May 20, 1937	T,G, 85	I	--	187 feet steel casing. Reported yield, 800 gallons a minute. Irrigates 150 acres cotton.
351	84.7	Dec. 14, 1936	C,W	S	Flat	
352	81.8	May 12, 1937	T,G, 85	I	do.	155 feet of 15-inch steel casing. Irrigates 200 acres cotton.
353	73.7	May 14, 1937	T,G, 85	I	do.	170 feet of 16-inch steel casing. Irrigates 140 acres cotton. See log.
354	80.9	Dec. 2, 1937	C,W	D,S	do.	
355	84.6	May 14, 1937	T,G, 85	I	do.	Reported 39 feet drawdown after pumping 800 gallons a minute for 72 hours. Reported altitude, 3,319.2 feet. See log.
356	92.7	Dec. 14, 1936	C,W	D,S	do.	6-inch steel curb and casing.



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

No.	Distance from Lubbock	Section	Survey, Block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <sup>a/</sup>
357	14 $\frac{1}{2}$ miles southwest	21, SW $\frac{1}{4}$ SW $\frac{1}{4}$	C. & M., blk. CB	L. P. Thomas	--	Old	140	--	0.5
358	16 miles southwest	70, NW $\frac{1}{4}$ NW $\frac{1}{4}$	H. E. & W. T., blk. 20	M. F. Klattenhoff	W. C. Jay	--	77	--	0.3
e/359	14 $\frac{1}{2}$ miles southwest	60, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Foster School	do.	--	77	--	0
360	16 miles southwest	56, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	--	--	--	--	--	0.3
361	14 miles southwest	52, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	H. C. Young	--	--	--	5	0.3
362	12 $\frac{1}{2}$ miles southwest	39, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. M. Burch	-- Cohens	1926	109	6	0.4
363	15 miles southwest	44, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Otis A. Rogers	--	--	100	--	0.4
364	12 $\frac{1}{2}$ miles south	37, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	W. A. West	-- Osborne	1930	106	--	0.7
365	11 miles south	32, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	First National Bank	--	--	--	--	1
e/366	12 $\frac{1}{2}$ miles south	30, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	J. T. Krueger	A. J. Nordycke	1937	190	16	0.8
367	13 miles south	27, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	--	--	--	116	4	0
368	10 $\frac{1}{2}$ miles south	114, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	John B. Lewis	--	--	100	--	0.4
369	9 $\frac{1}{2}$ miles south	26, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	A. D. Thomas	--	--	98	--	0.6
370	10 miles south	9, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	--	--	--	--	--	0
371	11 $\frac{1}{2}$ miles south	110, SE $\frac{1}{4}$ S $\frac{1}{2}$	G. C. & S. F., blk. S	R. O. Gregory	--	--	--	--	0.1
c/372	13 miles south	13, NE $\frac{1}{4}$ NE $\frac{1}{4}$	H. E. & W. T., blk. 20	P. H. Martin	--	1937	135	16	2
e/373	do.	13, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	--	1936	122	16	1.5
e/374	do.	13, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	--	1936	130	16	4
375	12 miles south	7, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	C. L. Griffin	-- White	1937	128	15	2
376	12 $\frac{1}{2}$ miles south	4, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Union School	--	--	98	--	1
377	13 miles southeast	34, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	F. D. Garble	--	--	87	--	1.2
378	14 $\frac{1}{2}$ miles southeast	26, NW $\frac{1}{4}$ SW $\frac{1}{4}$	H. E. & W. T., blk. 24	--	--	--	--	--	0.2
379	16 $\frac{1}{2}$ miles southeast	3, NW $\frac{1}{4}$ NE $\frac{1}{4}$	D. & W., blk. 0	--	--	--	81	--	0.8
380	18 miles southeast	10, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Mrs. S. H. Adams	--	--	--	5	1
381	17 $\frac{1}{2}$ miles southeast	18, SW $\frac{1}{4}$ SE $\frac{1}{4}$	H. E. & W. T., blk. 24	-- Childers	-- Childers	--	150	--	--
382	19 $\frac{1}{2}$ miles southeast	24, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	-- Raloback	George Guin	--	120	--	0.3

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

b/ C, cylinder; E, electric; G, gasoline engine; W, windmill; H, hand; T, turbine;

c/ centrifugal; other indicators as shown.

No.	Water Level		Pump and power b/	Use of water c/	Topographic situation	Remarks
	Depth below measuring point (feet)	Date of measurement				
357	94.7	Dec. 2, 1936	C,W	D,S	Gentle slope	Reported yield, 9 gallons a minute.
358	66.4	Dec. 15, 1936	C,W	D,S	--	Estimated yield, 4 gallons a minute.
359	65.6	do.	C,W	I	--	
360	69.1	Dec. 22, 1937	C,W	D,S	Flat	
361	63.7	do.	C,W	D,S	do.	5-inch cast iron curb and casing.
362	92.5	Dec. 15, 1936	C,W	D,S	do.	40 feet of 6-inch steel casing. Owner reports water level same as in 1926.
363	95.4	Dec. 22, 1936	C,W	D,S	do.	
364	95.5	do.	C,W	--	do.	Concrete curb. Estimated yield, 3 gallons a minute. Owner reports water level same
365	87.5	Dec. 15, 1936	C,W	D,S	--	Concrete curb. Estimated yield, 3 gallons a minute. as in 1930.
366	101.2	May 15, 1937	T,G, 85	I	Flat	Reported yield, 500 gallons a minute. Tenant reports water in white sand at 105-
367	105.9	Dec. 22, 1936	C,W	D,S	do.	146 feet.
368	86.9	do.	C,W	D,S	--	
369	81.6	do.	C,W	D,S	Flat	Concrete curb.
370	73.4	Jan. 4, 1957	C,W	D,S	do.	
371	84.3	Jan. 6, 1937	C,W	D,S	Edge of basin	Concrete curb. Owner reports caving sand in well.
372	91.3	May 12, 1937	T,-,-	I	Flat	Concrete curb; steel casing. Irrigates 60 acres cotton.
373	72.2	do.	None	--	In dry lake	Steel curb and casing. Drilled for purpose of draining lake.
374	87.7	do.	T,G, 85	I	Flat	Concrete curb; steel casing. Irrigates 20 acres cotton.
375	82.2	do.	T,G, 85	I	do.	Concrete curb; 128 feet of 15-inch steel casing. Measured 14.07 feet drawdown after pumping about 800 gallons a minute for 1/2 hour. Water reported in yellow sand
376	94.1	Jan. 6, 1937	C,W	P	do.	Concrete curb. Supplies at 90-128 feet. school.
377	68.2	do.	C,W	D,S	do.	Estimated yield, 3 gallons a minute.
378	68.2	do.	C,W	D,S	do.	
379	64.1	do.	C,W	D,S	do.	
380	78.7	do.	C,W	--	do.	Steel curb and casing. Tenant reports caving sand in well.
381	--	--	C,G,5	I	do.	Irrigates 20 acres cotton. Permanent supply.
328	100	Jan. 26, 1937	C,E,1	D,S	do.	Concrete curb. Reported yield, 10 gallons a minute.

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

d/ Water level reported.

e/ No water sample collected for analysis.

Table of Drillers' Logs, Lubbock County, Texas

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)	
<u>Drillers' log of well 9</u>				<u>Drillers' log of well 84--Continued</u>				
Leon Estate. 14 miles north of Lubbock.				Sandy surface material - 45   45				
Surface material - - -	15	15	Water sand - - - - -	12	57	Clay and rock - - - - -	4	61
Caliche - - - - -	10	25	Water sand - - - - -	39	100	Gravel - - - - -	16	116
Clay - - - - -	10	35	TOTAL DEPTH - - - - -	-	116			
Packed sand - - - - -	100	135	<u>Drillers' log of well 100</u>					
Water sand- - - - -	10	145	O. P. Bowser farm. 15 1/2 miles northwest of Lubbock.					
Clay - - - - -	3	148	Surface material- - - - -	4	4			
Water sand and gravel - -	22	170	White sand - - - - -	8	12			
Sand rock - - - - -	1	171	Shell rock - - - - -	4	16			
Light-colored sand- - -	8	179	Red rock - - - - -	3	19			
Clay - - - - -	3	182	Red clay - - - - -	4	23			
TOTAL DEPTH - - - - -	-	182	Shell rock - - - - -	8	31			
<u>Drillers' log of well 35</u>				<u>Drillers' log of well 108</u>				
A. M. Beckton farm. 18 1/2 miles northeast of Lubbock.				P. & S. F. Ry. Co. at Shallowater. 11 miles northwest of Lubbock.				
No record - - - - -	80	80	Sandy surface material - -	3	3			
Water sand- - - - -	10	90	Yellow clay - - - - -	35	38			
Shale and red clay- - -	20	110	Gray sand rock - - - - -	7	45			
Water sand- - - - -	3	113	Packed sand and gravel - -	15	60			
Shale and clay- - - - -	20	133	Red clay - - - - -	3	63			
Water sand- - - - -	10	143	TOTAL DEPTH - - - - -	-	63			
Red clay - - - - -	3	146	CASING RECORD: 63 feet of 4 1/2-inch casing. 53 feet of 2 1/2-inch galvanized iron tubing. 63 feet of 1-5/8-inch "sucker rods".					
Water sand- - - - -	7	153	<u>Drillers' log of well 121</u>					
Caliche, shell rock and clay - - - - -	65	218	Claude Camel farm. 7 1/2 miles west of Lubbock.					
Hard rock - - - - -	10	228	Surface material - - - - -	4	4			
Sandy caliche - - - - -	25	253	Caliche - - - - -	36	40			
TOTAL DEPTH - - - - -	-	253	Sand rock - - - - -	3	43			
CASING RECORD: 230 feet of 15 1/4-inch casing.				Sand - - - - -				
<u>Drillers' log of well 41</u>				Sand rock - - - - -				
R. Q. Mabry farm. 18 1/2 miles N.E. of Lubbock.				Sand - - - - -				
No record - - - - -	78	78	Sand rock - - - - -					
Quicksand - - - - -	18	96	Sand - - - - -					
Coarse red water sand - -	18	114	Sand rock - - - - -					
Coarse gravel - - - - -	3	117	Sand - - - - -					
Clay - - - - -	15	132	Sand rock - - - - -					
Coarse red water sand with streaks of clay - - - - -	30	162	Sand - - - - -					
Coarse white water sand	17	179	Sand rock - - - - -					
Clay - - - - -	19	198	Sand - - - - -					
Red water sand- - - - -	9	207	Sand rock - - - - -					
Packed sand - - - - -	10	217	Sand - - - - -					
Red water sand- - - - -	8	225	Sand rock - - - - -					
Red clay - - - - -	5	230	Sand - - - - -					
TOTAL DEPTH - - - - -	-	230	CASING RECORD: 172 feet of 15 1/8-inch casing. 64 feet of 13 1/2-inch casing lapped 6 feet into bottom of 15 1/2-inch casing.					
<u>Drillers' log of well 84</u>				<u>Drillers' log of well 121</u>				
J. B. McCauley farm. 5 1/2 miles north of Lubbock.				Claude Camel farm. 7 1/2 miles west of Lubbock.				
				Surface material - - - - -	4	4		
				Caliche - - - - -	36	40		
				Sand rock - - - - -	3	43		
				Sand - - - - -	7	50		
				Sand rock - - - - -	2	52		
				Sand - - - - -	16	68		
				Sand rock - - - - -	4	72		
				Sand - - - - -	3	75		

(Continued on next page)

Table of Drillers' Logs, Lubbock County--Continued

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 121--Continued</u>		
Water sand	8	83
Rock	17	100
Sand and gravel	21	121
Sand and shell	10	131
Sand and gravel	11	142
Yellow clay	1	143
Sand and gravel	63	206
Blue shale	2	208
TOTAL DEPTH	-	208

CASING RECORD: 208 feet of 14-inch casing. Pump set at 135 feet, 10-foot suction.

<u>Drillers' log of well 149</u>		
J. B. McCauley farm. $3\frac{1}{2}$ miles northwest of Lubbock.		
Sandy surface material	45	45
Water sand	12	57
Soft rock and clay	54	111
Gravel, shells and coral	5	116
TOTAL DEPTH	-	116

<u>Drillers' log of well 156</u>		
City of Lubbock well #8. 2 miles northwest of Lubbock.		
Sandy material	3	3
Reddish clay	15	18
Clay and lime boulders	4	22
Grayish clay and gravel	8	30
White clay and sand	4	34
Clay and lime boulders	12	46
Clay, sand and rock	20	66
Fine soft sand	4	70
Clay, sand and rock	31	101
Brownish sand and gravel	3	104
Soft sand and gravel	11	115
Red sand and gravel	10	125
White sand and gravel	11	136
Soft sandy clay	20	156
TOTAL DEPTH	-	156

<u>Drillers' log of well 162</u>		
City of Lubbock well #5. 1 mile west of Lubbock.		
Clay	$3\frac{1}{2}$	$3\frac{1}{2}$
Soft white rock	$11\frac{1}{2}$	15
Hard rock	2	17
Soft rock	6	23
Soft red sand	12	35
Red packed sand	15	50
Hard red sand, some water	18	68
Hard gypsum and sand	12	80
Soft red and gray clay	22	102
Packed sand	5	107

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 162--Continued</u>		
Soft sand, water	10	117
Hard rock	12	129
Clay	3	132
Gravel and sand	15	147
Rock	3	150
TOTAL DEPTH	-	150

<u>Drillers' log of well 163</u>		
P. & S. F. Ry. Co. Section house well. 1 mile northwest of Lubbock.		
Red surface material	6	6
Gypsum and rock	24	30
Red clay	24	54
Quicksand	6	60
Sand and gypsum	11	71
Gypsum and rock	4	75
Gravel, water	8	83
Gypsum and rock	6	89
TOTAL DEPTH	-	89
CASING RECORD: 77 feet of 6-inch casing.		

<u>Drillers' log of well 175</u>		
P. & S. F. Ry. Co. well #1. In City of Lubbock.		
Red clay and gypsum	65	65
Gravel and sand, water	3	68
Red clay	2	70
Gravel, water	14	84
Red clay, little sand	36	120
Quicksand	4	124
Coarse sand, water	9	133
Gravel and sand	7	140
Sand	3	143
TOTAL DEPTH	-	143
CASING RECORD: 135 feet of 10-inch casing. 8-inch perforated strainer at bottom.		

<u>Drillers' log of well 179</u>		
City of Lubbock well #8. In Lubbock.		
Dark sandy material	2	2
Reddish clay	13	15
White clay, few white rocks	39	54
Red sandy clay, water	6	60
Light-reddish sandy clay with few white rocks, water	21	81
Grayish sand	33	114
Yellowish sand and clay	6	120
Dark-grayish sand, little clay	10	130
Gray sand with little gravel	10	140
White clay	17	157
TOTAL DEPTH	-	157

Table of Drillers' Logs, Lubbock County--Continued

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 180</u>		
P. & S. F. Ry. Co. Stockyard well. In City of Lubbock.		
Surface material - -	2	2
Boulders - - - -	30	32
Gravel and clay - -	4	36
White lime - - - -	20	56
Red flint rock - - -	8	64
Brown sandstone - -	2	66
Brown water sand - -	10	76
Red sand - - - - -	13	89
Gravel - - - - -	2	91
TOTAL DEPTH - - -		91

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 305</u>		
J. M. Hettler farm. 5 $\frac{1}{2}$ miles northeast of Lubbock.		
Clay and sand - - -	67	67
Quicksand - - - -	19	86
Clay - - - - -	11	97
Water sand and gravel-	7	104
Clay - - - - -	9	113
Water sand - - - -	13	126
Red clay - - - - -	3	129
TOTAL DEPTH - - -		129
CASING RECORD: 50 feet of 14-inch casing set at 86 feet. 16 feet of 11-inch casing set at 104 feet.		

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 354</u>		
M. E. Jasey farm. 11 miles southwest of Lubbock.		
Surface material - -	3	3
Red clay - - - - -	9	12
Yellow sand and clay -	12	24
Red clay - - - - -	12	36
Pink rock and sand - -	14	50
Red sand rock - - -	5	55
Pink sand - - - - -	15	70
Gray sand - - - - -	11	81
White rock - - - - -	4	85
White packed sand - -	4	89
Red rock - - - - -	4	93
Gray sand- - - - -	23	116
Chalk rock and sand -	24	140
Gravel - - - - -	20	160
Yellow sand and gravel	20	180
Yellow sand - - - - -	20	200
Sand and gravel - - -	8	208
TOTAL DEPTH - - -		208
CASING RECORD: 208 feet of 16-inch casing. 80 feet of 16-inch perforated casing at bottom.		

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 245</u>		
P. & S. F. Ry. Co. well #8. 16 $\frac{1}{2}$ miles southeast of Lubbock.		
Surface material - -	4	4
Red clay - - - - -	6	10
Soft gypsum and rock -	12	22
Red packed sand - - -	10	32
Red sand rock - - - -	10	42
Red packed sand- - - -	15	57
Red sandy clay - - - -	33	90
Quicksand, water - - -	12	102
Red clay - - - - -	2	104
Coarse sand and gravel, water	19	123
Fine-grained packed sand	21	144
Hard white limestone -	31	175
Yellow sand and clay -	5	180
Blue shale - - - - -	20	200
Gray sand, water - - -	10	210
Black flint rock - - -	3	213
Light-gray (?) - - - -	5	218
Red clay - - - - -	6	224
TOTAL DEPTH- - - - -		224
CASING RECORD: 110 feet of 10-inch casing. 8-inch blank casing, 107-110 feet. 8-inch perforated casing, 110-149 feet. 8-inch blank casing, 149-168 feet. 8-inch perforated casing, 168-210 feet. 8-inch blank casing, 210-224 feet.		

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 246</u>		
P. & S. F. Ry. Co. well #9. 16 $\frac{1}{2}$ miles southeast of Lubbock.		
Surface material - -	3	3
Clay - - - - -	27	30
Soft white rock- - - -	10	40
Hard white rock- - - -	5	45
Soft sand rock and clay-	37	82
Sand and gravel, water -	42	124
Red sand rock with hard streaks - - - - -	13	137
TOTAL DEPTH - - - - -		137

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 247</u>		
P. & S. F. Ry. Co. well #13. 16 $\frac{1}{2}$ miles southeast of Lubbock.		
Light-colored clay - -	30	30
Clay and boulders - -	10	40
Red clay - - - - -	50	90
Quicksand - - - - -	17	107
Clay, gypsum, and rock -	25	132
Limestone - - - - -	35	167
Gray sandstone - - - -	3	170
Blue shale - - - - -	32	202
Gray quicksand - - - -	5	207

(Continued on next page)

Table of Drillers' Logs, Lubbock County--Continued

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 247--Continued</u>		
Red clay - - - -	35	242
Light-gray clay - - - -	35	277
Red clay - - - -	15	292
Gray sandstone - - - -	10	302
Red clay - - - -	70	372
Brown sandstone - - - -	20	392
Red clay - - - -	78	470
Shells - - - -	37	507
Light-reddish-gray sandstone	35	542
Dark-gray sandstone -	10	552
TOTAL DEPTH - - - -		602
CASING RECORD: 130 feet of 10-inch casing. 210 feet of 8-inch casing. 480 feet of 6-inch casing.		

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 248</u>		
P. & S. F. Ry. Co. well #3. 16 <sup>3</sup> / <sub>8</sub> miles southeast of Lubbock.		
Red clay - - - -	25	25
Gypsum and rock - - - -	40	65
Red clay - - - -	25	90
Quicksand- - - -	15	105
Red clay - - - -	3	108
Fine-grained sand- - - -	9	117
Coarse-grained sand - - - -	8	125
Coarse gravel - - - -	5	130
Red clay - - - -	8	138
TOTAL DEPTH - - - -		138
CASING RECORD: 120 feet of 10-inch casing. 21 feet of 8-inch strainer on bottom. 18 feet of 8-inch casing above strainer. 115 feet of 6-inch tubing.		

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 249</u>		
P. & S. F. Ry. Co. well #1. 16 miles southeast of Lubbock.		
Gypsum and rock - - - -	80	80
Red clay - - - -	16	96
Quicksand- - - -	30	126
Sand and gravel, water	10	136
Red clay - - - -	19	155
Limestone- - - -	2	157
TOTAL DEPTH - - - -		157
CASING RECORD: 122 feet of 10-inch casing. 57 feet of 8-inch casing and strainer lapped into bottom of 10-inch casing. 125 feet of 5-inch tubing. 5 feet of 4 <sup>3</sup> / <sub>4</sub> -inch working barrel.		

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 250</u>		
P. & S. F. Ry. Co. well #2. 16 miles southeast of Lubbock.		
Red clay - - - -	10	10
Gypsum and rock - - - -	70	80

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 250--Continued</u>		
Red sandy clay - - - -	20	100
Quicksand - - - -	17	117
Coarse-grained sand- - - -	13	130
Red clay - - - -	7	137
TOTAL DEPTH - - - -		137
CASING RECORD: 120 feet of 10-inch casing. 22 feet of 8-inch brass strainer on bottom. 116 feet of 5-inch tubing. 4 <sup>3</sup> / <sub>4</sub> -inch working barrel.		

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 252</u>		
A. T. & S. F. R. R. Co. well #10. 14 miles southeast of Lubbock.		
Surface material - - - -	3	3
Clay and white gypsum - - - -	41	44
Caliche - - - -	4	48
Clay and packed sand - - - -	29	77
Coarse water sand and gravel	38	115
Soft lime with hard layers	11	126
Hard white lime- - - -	1	127
TOTAL DEPTH - - - -		127
CASING RECORD: 119 feet of 26-inch casing. 37 feet of 17-inch casing.		

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 253</u>		
City of Slaton well #1. 14 <sup>1</sup> / <sub>2</sub> miles southeast of Lubbock.		
No record - - - -	84	84
Fine soft sand, little water	5	89
Stiff red clay - - - -	3	92
Sand and clay - - - -	14	106
Sand, some water - - - -	10	116
Hard red clay - - - -	3	119
Fine water sand- - - -	4	123
Water sand - - - -	9	132
Large gravel, rock and coarse sand, water - - - -	3	135
TOTAL DEPTH - - - -		135
CASING RECORD: 135 feet of 18-inch steel casing.		

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 256</u>		
A. T. & S. F. R. R. Co. well #9. 14 miles southeast of Lubbock.		
Surface material - - - -	3	3
Clay - - - -	27	30
Soft white rock- - - -	10	40
Hard white rock- - - -	5	45
Soft sand, rock and clay,	37	82
Water sand and gravel - - - -	42	124
Red sand rock - - - -	13	137
TOTAL DEPTH - - - -		137
CASING RECORD: 81 feet of 26-inch casing set from top. 57 feet of 17-inch perforated casing set on bottom.		

Table of Drillers' Logs, Lubbock County--Continued

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 262</u>		
P. & S. F. Ry. Co. well #4. 10 miles southeast of Lubbock.		
Surface material - -	10	10
Gypsum - - - -	10	20
Red sandstone - -	15	35
Red packed sand - -	5	40
Red sandstone - -	5	45
Fine-grained red sand -	20	65
Gray sandstone - -	25	90
Fine-grained red sand, water	20	110
Red clay - - - -	2	112
Fine-grained red sand, water	8	120
Red clay - - - -	3	123
TOTAL DEPTH - - - -		123

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 276</u>		
City of Lubbock. 1 1/2 miles southeast of Lubbock.		
Surface material - -	2 1/2	2 1/2
Caliche - - - -	35 1/2	38
Caliche and rock - -	8	46
Red granite rock - -	15	61
Gray clay - - - -	6	67
Reddish clay - - -	8	75
Red sand and clay - -	18	93
Sandy clay - - - -	15	108
Coarse sand and gravel-	4	112
Gravel and sand - -	10	122
Coarse gravel and sand-	12	134
Sand and clay - - -	8	142
Yellow sand and gravel-	8	150
Red clay - - - -	1	151
TOTAL DEPTH - - - -		151

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 345</u>		
D. S. Tucker farm. 11 1/2 miles west of Lubbock.		
Surface material - -	3	3
Caliche - - - -	8	11
Red sand and chalk- -	8	19
White sand - - - -	22	41
White rock - - - -	4	45
White sand - - - -	2	47
White rock - - - -	16	63
Chalk and sand- - -	11	74
Red sand rock, first water	11	85
Water sand - - - -	8	93
Sand and gravel - - -	10	103
Black gravel - - - -	14	117
Yellow sand and gravel-	23	140
Gray sand - - - -	10	150
Packed sand - - - -	10	160
Yellow sand and gravel-	8	168
Sand - - - -	4	172

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 345--Continued</u>		
Sandstone and gravel -	9	181
Gravel and coarse sand -	13	194
Blue soapstone - - -	2	196
TOTAL DEPTH - - - -		196
CASING RECORD: 197 feet of 15 1/4-inch steel casing. 15 1/4-inch perforated casing, 60-195 feet.		

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 353</u>		
J. H. Hill farm. 14 miles southwest of Lubbock.		
Surface material - -	3	3
Red and white chalk - -	3	6
Red clay and rock - -	14	20
"Cap rock" - - - -	10	30
Packed sand and rock- -	15	45
Packed sand - - - -	8	53
White rock - - - -	12	65
Flint rock - - - -	11	76
White packed sand, water-	4	80
Pink packed sand - - -	3	83
Clay and sand - - - -	10	93
Packed sand - - - -	14	107
Packed sand and gravel -	10	117
Packed sand - - - -	10	127
Sand and gravel - - -	13	140
Sand, gravel and clay -	28	168
Blue soapstone - - -	2	170
TOTAL DEPTH-- - - -		170
CASING RECORD: 100 feet of 16-inch perforated casing. 70 feet of 16-inch casing.		

	Thickness (feet)	Depth (feet)
<u>Drillers' log of well 355</u>		
J. A. Medlock farm. 13 1/2 miles northwest of Lubbock.		
Surface material - - -	4	4
Red sand - - - -	8	12
White rock - - - -	4	16
Red sand - - - -	4	20
Light red sand - - - -	10	30
White rock - - - -	8	38
Red sand - - - -	10	48
White flint rock- - -	2	50
Light-red sand - - -	10	60
Sand and clay - - - -	15	75
Sand rock - - - -	12	87
White flint rock- - -	3	90
Sand and clay, water- -	10	100
Sand with layers of clay-	25	125
Yellow sand - - - -	10	135
White sand and gravel -	8	143
Gravel and clay - - -	8	151
Yellow sand - - - -	10	161
Yellow sand and gravel -	10	171
Black sand and gravel -	10	181
Yellow sand and gravel -	7	188
TOTAL DEPTH - - - -		198

Logs of test wells drilled by W. P. A. labor in Lubbock County, Texas.  
 ( Samples examined and classified by B. G. Brigance, Project Superintendent.)

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
<u>Well 12</u>				<u>Well 21--Continued</u>			
Canyon draw, northwest corner sec. 6, L. & S. V. Ry. Co. survey, blk. D, 11 $\frac{1}{2}$ miles north of Lubbock.				Caliche and clay - - - 5 11			
Surface materials	- -	3	3	Caliche and red clay	- -	4	15
Red clay	- - -	2	5	Red clay	- - -	4	19
Caliche	- - -	4	9	Red sand and caliche	- -	5	24
White sand	- - -	7	16	No water sample collected. May 5, 1937.			
Sandstone and clay	- -	6	22	<u>Well 56</u>			
Red sand	- - -	7	29	Flat, E. L. & R. R. Ry. Co. tract, NE $\frac{1}{2}$ NE $\frac{1}{2}$ sec. 63, blk. A, 10 $\frac{1}{2}$ miles north- east of Lubbock.			
Struck rock at 29 feet.				Surface materials	- -	3	3
No water sample collected. April 30, 1937.				Sand and caliche	- -	5	8
<u>Well 13</u>				Reddish clay and gravel	-	7	15
Canyon draw, northwest corner of sec. 21, L. & S. V. Ry. Co. survey, blk. D, 12 $\frac{1}{2}$ miles north of Lubbock.				Red sandy clay	- - -	7	22
Surface material	- -	2	2	No water sample collected. March 2, 1937.			
Red clay	- - -	2	4	<u>Well 57</u>			
Light-colored clay	- -	2	6	Slightly rolling, NE $\frac{1}{2}$ NE $\frac{1}{2}$ sec. 64, blk. A, 10 miles northeast of Lubbock.			
Caliche and sand	- -	4	10	Surface materials	- -	2	2
Sand	- - -	5	15	Reddish loam and gravel	-	2	4
Struck rock at 15 feet.				Caliche	- - -	6	10
No water sample collected. April 30, 1937.				Clay	- - -	3	13
<u>Well 18</u>				Fine-grained red sand	-	3	16
Flat, A. B. & M. tract, northeast corner sec. 26, L. & S. V. Ry. Co. survey, blk. D, 11 $\frac{1}{2}$ miles north of Lubbock.				Red sandy clay and gravel	-	6	22
Surface materials	- -	3	3	Clay and rock	- - -	2	24
Caliche	- - -	1	4	No water sample collected. March 4, 1937.			
Caliche and sand	- -	4	8	<u>Well 65</u>			
Red clay	- - -	6	14	Flat, north side county road in Monroe, southwest corner sec. 28, L. & S. V. Ry. Co. survey, blk. D, 10 $\frac{1}{2}$ miles north of Lubbock.			
Red sand	- - -	8	22	Surface materials	- - -	2	2
No water sample collected. May 3, 1937.				Caliche	- - -	3	5
<u>Well 20</u>				Caliche and clay	- - -	4	9
Rolling land, Frank Bowles tract, south- west corner sec. 26, E. L. & R. R. Co. survey, blk. D7, 11 $\frac{1}{2}$ miles north of Lubbock.				Red clay	- - -	13	22
Surface materials	- -	3	3	Hard clay and sand rock	-	7	29
Surface material and caliche	- - -	2	5	No water sample collected. April 26, 1937.			
Caliche and sand	- -	6	11	<u>Well 67</u>			
Red clay	- - -	7	18	Slightly rolling, northwest corner sec. 31, L. & S. V. Ry. Co. survey, blk. D, 10 $\frac{1}{2}$ miles north of Lubbock.			
No water sample collected. May 5, 1937.				Surface materials	- - -	2	2
<u>Well 21</u>				Light-colored clay	- -	3	5
Flat, northwest corner sec. 26, E. L. & R. R. Ry. Co. survey, blk. D7, 12 $\frac{1}{2}$ miles north of Lubbock.				Brown clay	- - -	7	12
Surface materials	- -	2	2	Red clay	- - -	3	15
Red material	- - -	1	3	No water sample collected. April 29, 1937.			
Light-colored materials	-	3	6	<u>Well 68</u>			
				Rolling land, M. H. Wingham tract, northwest corner sec. 32, L. & S. V. Ry.			
				(Continued on next page)			



	Thickness (feet)	Depth (feet)
<u>Well 68--Continued</u>		
Co. survey, blk. D, 10 $\frac{1}{2}$ miles north of Lubbock.		
Surface materials - - -	7	7
Gray sand - - - - -	2	9
Caliche - - - - -	3	12
Red sand - - - - -	12	24
Struck rock at 24 feet.		
No water sample collected. April 27, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 69</u>		
Rolling land, M. H. Winningham tract, southwest corner sec. 32, L. & S. V. Ry. Co. survey, blk. D, 9 $\frac{1}{2}$ miles north of Lubbock.		
Surface materials - - -	6	6
Gray sandy loam - - -	3	9
Sand and caliche - - -	3	12
Struck rock at 12 feet.		
No water sample collected. April 27, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 70</u>		
Flat, northwest corner sec. 34, L. & S. V. Ry. Co. survey, blk. D, 9 $\frac{1}{2}$ miles north of Lubbock.		
Surface materials - - -	2	2
Clay and caliche - - -	3	5
Red clay - - - - -	10	15
No water sample collected. April 29, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 71</u>		
Slightly rolling, southwest corner sec. 30, L. & S. V. Ry. Co. survey, blk. D, 9 $\frac{1}{2}$ miles north of Lubbock.		
Surface materials - - -	2	2
Caliche and sand - - -	7	9
Caliche and clay - - -	5	14
Red clay - - - - -	11	25
Red joint clay- - - - -	9	34
No water sample collected. April 26, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 73</u>		
Flat, southwest corner sec. 34, L. & S. V. Ry. Co. survey, blk. D, 8 $\frac{1}{2}$ miles north of Lubbock.		
Surface materials - - -	2	2
Clay - - - - -	9	11
Red sand and caliche - - -	3	14
Sand - - - - -	16	30
No water sample collected. April 21, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 74</u>		
Flat, W. O. Fortenberry tract, southeast corner sec. 40, L. & S. V. Ry. Co. survey, blk. D, 7 $\frac{1}{2}$ miles north of Lubbock.		

	Thickness (feet)	Depth (feet)
<u>Well 74--Continued</u>		
Surface materials - - -	3	3
Caliche - - - - -	12	15
Sand- - - - -	23	38
No water sample collected. April 21, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 78</u>		
In canyon, H. B. Reed tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 28, blk. A, 5 $\frac{1}{2}$ miles north of Lubbock.		
Surface materials - - -	4	4
Light-colored sandy material	5	9
Lime rock - - - - -	3	12
Fine-grained sand - - -	4	16
Struck water at 6 $\frac{1}{2}$ feet.		
No water sample collected. Dec. 28, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 79</u>		
In canyon, H. B. Reed tract, near northeast corner sec. 28, blk. A, 5 $\frac{1}{2}$ miles north of Lubbock.		
Sandy surface materials -	1	1
Sand and gravel - - -	4	5
Fine-grained reddish sand -	3	8
Water level, 1.8 feet below top of ground, 72 hours after hole completed.		
Water sample collected. Dec. 28, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 80</u>		
Flat, H. B. Reed tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 28, blk. A, 5 $\frac{1}{2}$ miles north of Lubbock.		
Surface materials - - -	5	5
Caliche - - - - -	4	9
Reddish sandy material and gravel - - - - -	6	15
No water sample collected. Dec. 30, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 104</u>		
Slightly rolling, southeast corner sec. 20, E. L. & R. R. Ry. Co. survey, blk. D5, 13 miles northwest of Lubbock.		
Surface materials - - -	4	4
Gray clay material- - -	2	6
Red clay - - - - -	12	18
Red clay and caliche - - -	4	22
Caliche - - - - -	4	26
No water sample collected. Jan. 7, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 105</u>		
Rolling land, northwest corner sec. 28, E. L. & R. R. Ry. Co. survey, blk. D5, 12 $\frac{1}{2}$ miles northwest of Lubbock.		
Surface materials - - -	5	5
Red clay - - - - -	3	8
Clay and caliche - - -	2	10

(Continued on next page)

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

	Thickness (feet)	Depth (feet)
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Well 105--Continued  
 Clay and lime - - - 3 13  
 Clay and sandstone- - - 4 17  
 Yellow clay - - - 8 25  
 Struck rock at 25 feet.  
 No water sample collected. Jan. 6, 1937.

Well 126  
 Bottom of shallow basin, Sim O'Neal tract, SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 3, blk. E2, 3 $\frac{1}{2}$  miles west of Lubbock.  
 Surface materials - - - 4 4  
 Gray sandy clay - - - 4 8  
 Fine-grained light-colored sand - - - - 2 10  
 Gray sandy clay - - - 1 11  
 Caliche - - - - 3 14  
 Gray sandy clay - - - 9 23  
 Caliche and chalk rock- - 1 24  
 Yellowish clay- - - 4 28  
 Coarse gravel and rock- - 2 30  
 Struck water at 29 feet.  
 Water level, 27.6 feet below top of ground, 48 hours after hole completed.  
 Water sample collected. Dec. 11, 1936.

Well 129  
 Flat, NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 2, blk. E2, 3 $\frac{1}{2}$  miles west of Lubbock.  
 Surface materials - - - 3 3  
 Caliche - - - - 2 5  
 Light-colored sand and gravel - - - - 13 18  
 Sand and caliche - - - 4 22  
 No water sample collected. Jan. 21, 1937.

Well 131  
 Flat, NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 4, blk. E2, 4 $\frac{1}{2}$  miles west of Lubbock.  
 Surface materials - - - 3 3  
 Caliche and sand - - - 2 5  
 Sand and gravel - - - 2 7  
 Caliche - - - - 5 12  
 Fine-grained sand and gravel 6 18  
 Reddish sand and gravel - 5 23  
 No water sample collected. Jan. 22, 1937.

Well 133  
 Flat, T. T. Ry. Co. tract, SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 1, E. L. & R. R. Ry. Co. survey, blk. JS, 5 miles west of Lubbock.  
 Surface materials - - - 2 2  
 Reddish sandy materials - 2 4  
 Caliche - - - - 6 10  
 Fine-grained sand and gravel 1 11  
 Caliche - - - - 8 19

	Thickness (feet)	Depth (feet)
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Well 133--Continued  
 No water sample collected. Jan. 22, 1937.

Well 137  
 Flat, T. T. Ry. Co. tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 1, E. L. & R. R. Ry. Co. survey, blk. JS, 4 $\frac{1}{2}$  miles west of Lubbock.  
 Surface materials - - - 3 3  
 Reddish sandy materials - 2 5  
 Caliche - - - - 3 8  
 Sand and gravel - - - 1 9  
 Caliche - - - - 2 11  
 Reddish sand - - - - 5 16  
 Sand and chalk rock - - 2 18  
 No water sample collected. Jan. 23, 1937.

Well 144  
 Flat, northwest corner sec. 14, E. L. & R. R. Co. survey, blk. J.S, 5 $\frac{1}{2}$  miles northwest of Lubbock.  
 Surface materials - - - 3 3  
 Caliche - - - - 2 5  
 Caliche and rock - - - 8 13  
 Caliche and sand - - - 5 18  
 Red sand - - - - 15 33  
 No water sample collected. April 14, 1937.

Well 145  
 Flat, southwest corner sec. 30, blk. A, 5 miles northwest of Lubbock.  
 Surface materials - - - 4 4  
 Caliche - - - - 10 14  
 Sandy material- - - - 10 24  
 Sand - - - - 2 26  
 Red sand - - - - 12 38  
 No water sample collected. April 14, 1937.

Well 146  
 West edge of canyon, T. T. Ry. Co. tract, near northeast corner sec. 1, blk. D4, 4 $\frac{1}{2}$  miles north of Lubbock.  
 Surface materials - - - 1 1  
 Surface materials and caliche - - - - 1 2  
 Clay and caliche - - - 9 11  
 Clay, caliche and hard gravel - - - - 2 13  
 No water sample collected. April 12, 1937.

Well 147  
 Flat, T. T. Ry. Co. tract, northeast corner sec. 11, blk. A, 3 $\frac{1}{2}$  miles north of Lubbock.  
 Surface materials - - - 2 2

(Continued on next page)

	Thickness (feet)	Depth (feet)
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Well 147--Continued

Surface materials and caliche	1	3
Clay and caliche - - -	10	13
Clay - - - - -	4	17
Clay, caliche and rock -	3	20
No water sample collected. April 12, 1937.		

Well 148

Slightly rolling, NE $\frac{1}{4}$ NE $\frac{1}{2}$  sec. 12, blk. A, 3 $\frac{1}{2}$  miles north of Lubbock.

Surface materials - - -	2	2
Reddish sandy materials -	2	4
Caliche - - - - -	2	6
Sand and caliche - - -	6	12
Caliche - - - - -	8	20
No water sample collected. Feb. 2, 1937.		

Well 150

Flat, north side P. & N. T. railway, northwest corner sec. 14, blk. A, 5 $\frac{1}{2}$  miles northwest of Lubbock.

Surface materials - - -	3	3
Caliche - - - - -	3	6
Sandy materials - - -	6	12
Clay, caliche and rock -	5	17
No water sample collected. April 15, 1937.		

Well 152

Flat, north side P. & N. T. railway near southwest corner sec. 13, blk. A, 4 $\frac{1}{4}$  miles northwest of Lubbock.

Surface materials - - -	2	2
Sandy materials - - -	2	4
Sandstone - - - - -	8	12
Struck rock at 12 feet.		
No water sample collected. April 15, 1937.		

Well 155

Flat, T. T. Ry. Co. tract, NW $\frac{1}{4}$ NE $\frac{1}{2}$  sec. 21, blk. A, 3 $\frac{1}{2}$  miles west of Lubbock.

Surface materials - - -	4	4
Caliche - - - - -	4	8
Brown materials and gravel-	2	10
Red sand - - - - -	8	18
Reddish sand and gravel -	1	19
Caliche - - - - -	4	23
No water sample collected. Jan. 25, 1937.		

Well 157

In canyon, north side of P. & N. T. railway, NE $\frac{1}{2}$ SW $\frac{1}{4}$  sec. 17, blk. A, 2 $\frac{3}{4}$  miles northwest of Lubbock.

Surface materials - - -	4	4
Gray clay - - - - -	1	5
Gumbo - - - - -	5	10

	Thickness (feet)	Depth (feet)
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Well 157--Continued

Gray clay - - - - -	1	11
Dark-colored clay and gravel	2	13
Light gray clay and gravel	4	17
Black materials - - -	5	22
Sand - - - - -	3	25
No water sample collected. Dec. 29, 1936.		

Well 164

North edge of canyon, W. M. Lay tract, near southeast corner sec. 16, blk. A, 1 $\frac{1}{2}$  miles north of Lubbock.

Surface materials - - -	3	3
Surface materials and caliche - - - - -		
	1	4
Caliche - - - - -	7	11
Rocky caliche - - - -	2	13
No water sample collected. April 13, 1937.		

Well 165

Flat, southwest corner sec. 78, blk. A, 2 $\frac{1}{2}$  miles north of Lubbock.

Surface materials - - -	2	2
Clay materials - - - -	3	5
Caliche - - - - -	2	7
Caliche and clay materials-	3	10
Clay materials - - - -	2	12
Clay and gravel - - - -	3	15
No water sample collected. April 13, 1937.		

Well 166

In gully, T. T. Ry. Co. tract, SE $\frac{1}{4}$ SE $\frac{1}{2}$  sec. 9, blk. A, 3 $\frac{3}{4}$  miles north of Lubbock.

Surface materials - - -	3	3
Sandy materials and gravel-	5	8
Reddish sandy materials and gravel - - - - -	6	14
Struck rock at 15 feet.		
No water sample collected. Dec. 29, 1936.		

Well 167

In shallow basin, H. B. Reed tract, SW $\frac{1}{4}$ SW $\frac{1}{2}$  sec. 28, blk. A, 4 $\frac{1}{2}$  miles north of Lubbock.

Gumbo - - - - -	2	2
Reddish sandy materials-	6	8
Caliche - - - - -	4	12
Light-colored sand - - -	1	13
Caliche and sand - - -	6	19
No water sample collected. Dec. 30, 1936.		

Well 168

Slightly rolling, NE $\frac{1}{2}$ NE $\frac{1}{2}$  sec. 10, blk. A, 4 $\frac{3}{4}$  miles north of Lubbock.

(Continued on next page)

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

	Thickness (feet)	Depth (feet)
<u>Well 168--Continued</u>		
Surface materials - - -	2	2
Caliche - - - - -	4	6
Caliche and sand - - -	10	16
Red sand and gravel - -	5	21
No water sample collected. Jan. 28, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 169</u>		
Flat, NW $\frac{1}{2}$ NW $\frac{1}{2}$ sec. 8, blk. A, 3 $\frac{3}{4}$ miles northeast of Lubbock.		
Surface materials - - -	1	1
Sandy materials and gravel-	2	3
Caliche - - - - -	5	8
Red sand and small rock -	3	11
Red sand - - - - -	3	14
Sand and caliche - - -	2	16
Red sand - - - - -	4	20
Struck hard rock at 20 feet.		
No water sample collected. Jan. 28, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 170</u>		
Hilltop, E. L. & R. R. Ry. Co. tract, NE $\frac{1}{2}$ NE $\frac{1}{2}$ sec. 77, blk. A, 2 $\frac{3}{4}$ miles northeast of Lubbock.		
Surface materials - - -	3	3
Caliche - - - - -	3	6
Sand and gravel - - -	1	7
Sand and caliche - - -	1	8
Red sand and gravel - -	12	20
Red sand - - - - -	4	24
No water sample collected. Jan. 27, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 171</u>		
Flat, T. T. Ry. Co. tract, SW $\frac{1}{2}$ SW $\frac{1}{2}$ sec. 5, blk. A, 2 $\frac{1}{2}$ miles northeast of Lubbock.		
Surface materials - - -	2	2
Sandy materials and caliche	2	4
Caliche - - - - -	2	6
Caliche and sand - - -	1	7
Small chalk rock and sand -	3	10
Reddish sand and gravel -	8	18
Hard packed sand and caliche streaks - - - - -	2	20
No water sample collected. Jan. 27, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 177</u>		
In canyon, E. L. & R. R. Ry. Co. tract, NW $\frac{1}{2}$ NW $\frac{1}{2}$ sec. 3, blk. O, $\frac{3}{4}$ mile northeast of Lubbock.		
Sandy surface materials -	6	6
Light-colored sandy loam -	2	8
Sand and caliche - - -	1	9
Sandy materials - - -	4	13
Fine-grained light-colored sand - - - - -	2	15

	Thickness (feet)	Depth (feet)
<u>Well 177--Continued</u>		
Clayey gumbo - - - - -	3	18
Black materials - - -	5	23
No water sample collected. Jan. 13, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 181</u>		
In canyon, E. L. & R. R. Ry. Co. tract, SW $\frac{1}{2}$ NE $\frac{1}{2}$ sec. 3, blk. O, 1 $\frac{1}{2}$ miles east of Lubbock.		
Dark-colored surface materials - - - - -		
	4	4
Caliche - - - - -	3	7
Clay and sand - - - - -	7	14
Sand and gravel - - -	5	19
Gravel - - - - -	1	20
Water level, 4.6 feet below top of ground, 72 hours after hole completed.		
Water sample collected. Dec. 21, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 184</u>		
In canyon, W. K. Dickinson tract, NE $\frac{1}{2}$ NE $\frac{1}{2}$ sec. 3, blk. O, 1 $\frac{3}{4}$ miles east of Lubbock.		
Surface materials - - -	6	6
Sandy materials - - -	8	14
Clayey sand - - - - -	3	17
Struck water at 15 feet.		
Water level, 14.2 feet below top of ground, 48 hours after hole completed.		
No water sample collected. Jan. 13, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 186</u>		
Flat, F. E. Wheelock tract, SW $\frac{1}{2}$ NE $\frac{1}{2}$ sec. 4, blk. O, 2 $\frac{1}{2}$ miles east of Lubbock.		
Surface materials - - -	3	3
Caliche - - - - -	7	10
Fine-grained sand and gravel	4	14
Sand rock and gravel - -	2	16
Struck rock at 16 feet.		
Water sample collected. Jan. 6, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 187</u>		
Flat, T. T. Ry. Co. tract, SW $\frac{1}{2}$ SW $\frac{1}{2}$ sec. 3, blk. A, 3 miles east of Lubbock.		
Brown surface materials -	2	2
Reddish sandy materials -	3	5
Light-colored sand and gravel - - - - -	3	8
Caliche and sand - - -	6	14
Caliche - - - - -	3	17
Struck rock at 17 feet.		
No water sample collected. Jan. 7, 1937.		

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

	Thickness (feet)	Depth (feet)
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Well 189

Flat, NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 72, blk. A, 4 $\frac{3}{4}$  miles east of Lubbock.  
 Surface materials - - - 3 3  
 Reddish sandy materials - 1 4  
 Caliche and sand - - - 6 10  
 Caliche - - - - - 6 16  
 No water sample collected. Jan. 7, 1937.

Well 190

Flat, E. L. & R. R. Ry. Co. tract, NW $\frac{1}{2}$ -NW $\frac{1}{2}$  sec. 71, blk. A, 5 $\frac{1}{2}$  miles east of Lubbock.  
 Surface materials - - - 2 2  
 Sandy materials - - - 2 4  
 Caliche - - - - - 3 7  
 Reddish sand - - - - 1 8  
 Reddish sand and chalky rock - - - - - 6 14  
 No water sample collected. Jan. 8, 1937.

Well 191

Flat, R. J. Burns tract, NE $\frac{1}{4}$ NW $\frac{1}{2}$  sec. 70, blk. A, 6 $\frac{1}{2}$  miles east of Lubbock.  
 Surface materials - - - 2 2  
 Caliche - - - - - 3 5  
 Reddish sandy materials and chalky gravel- - - 3 8  
 Caliche - - - - - 3 11  
 Struck rock at 11 feet.  
 No water sample collected. Jan. 8, 1937.

Well 194

Flat, R. C. Burns tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 70, blk. A, 7 $\frac{1}{2}$  miles east of Lubbock.  
 Surface materials - - - 3 3  
 Caliche - - - - - 9 12  
 Caliche and sand - - - 2 14  
 Struck rock at 14 feet.  
 No water sample collected. Jan. 12, 1937.

Well 195

Slightly rolling, E. L. & R. R. Co. tract, NW $\frac{1}{2}$ NW $\frac{1}{4}$  sec. 69, blk. A, 7 miles east of Lubbock.  
 Surface materials - - - 3 3  
 Red sandy materials - - 2 5  
 Caliche - - - - - 7 12  
 Clay and caliche - - - 2 14  
 Light-red sand- - - - 2 16  
 Red sand and caliche - - 4 20  
 Fine-grained red sand - - 2 22  
 No water sample collected. Feb. 3, 1937.

	Thickness (feet)	Depth (feet)
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Well 196

Slightly rolling, SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 26, blk. A, 5 miles east of Lubbock.  
 Surface materials - - - 3 3  
 Reddish sandy materials - 2 5  
 Caliche - - - - - 2 7  
 Sand and chalky gravel- - 3 10  
 Sand and gravel - - - - 4 14  
 Sand - - - - - - - 3 17  
 Reddish sand and gravel - 1 18  
 Sand and gravel - - - - 4 22  
 Sand and rock - - - - - 2 24  
 Struck hard rock at 24 feet.  
 No water sample collected. Feb. 24, 1937.

Well 198

Flat, Mary Ann Olcott tract, near northwest corner sec. 4, blk. A, 4 miles east of Lubbock.  
 Surface materials - - - 2 2  
 Reddish sandy materials - 2 4  
 Caliche and sand - - - - 5 9  
 Sand and chalky gravel- - 4 13  
 Reddish sand - - - - - 4 17  
 Reddish sand and caliche - 4 21  
 Brown material and caliche- 3 24  
 Reddish sand and caliche - 4 28  
 Struck hard rock at 29 feet.  
 No water sample collected. Feb. 24, 1937.

Well 206

In basin, NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 42, blk. A, 6 $\frac{1}{2}$  miles northeast of Lubbock.  
 Surface materials - - - 3 3  
 Gray sandy clay - - - - 10 13  
 Reddish sandy materials - 2 15  
 Caliche - - - - - - 3 18  
 Light-gray sand - - - - 4 22  
 Water level, 17.3 feet below top of ground, 48 hours after hole completed.  
 No water sample collected. March 2, 1937.

Well 208

Flat, north side C. & S. P. railway, H. E. & W. T. Ry. Co. tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 47, blk. A, 6 miles northeast of Lubbock.  
 Surface materials - - - 2 2  
 Light-colored sand- - - - 2 4  
 Sand and caliche - - - - 12 16  
 Red sandy materials - - - 6 22  
 Dark-colored sandy materials 2 24  
 No water sample collected. March 1, 1937.

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

		Thickness	Depth			Thickness	Depth
		(feet)	(feet)			(feet)	(feet)
<u>Well 210</u>				<u>Well 215</u>			
Flat, H. E. & W. T. Ry. Co. tract, SW $\frac{1}{4}$ sec. 47, blk. A, 5 $\frac{1}{2}$ miles northeast of Lubbock.				Flat, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1, T. T. Ry. Co. survey, blk. RG, 8 $\frac{1}{2}$ miles east of Lubbock.			
Surface materials-	-	2	2	Surface materials-	-	3	3
Reddish sandy materials	-	2	4	Red sandy materials	-	1	4
Sand and gravel	-	6	10	Caliche	-	4	8
Reddish sand	-	3	13	Sandy materials and caliche	-	6	14
Light-colored sand	-	7	20	Struck rock at 14 feet.			
No water sample collected. March 1, 1937.				No water sample collected. Jan. 12, 1937.			
<u>Well 211</u>				<u>Well 271</u>			
Flat, D. & W. Ry. Co. tract NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 53, blk. A, 7 miles east of Lubbock.				Bottom of canyon, T. T. Ry. Co. tract, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, blk. B, 4 $\frac{1}{2}$ miles south-east of Lubbock.			
Surface materials-	-	2	2	Surface materials-	-	3	3
Caliche	-	4	6	Clay	-	6	9
Red sand and gravel	-	2	8	Gumbo-	-	7	16
Red sand	-	5	13	Gravel	-	1	17
Caliche and clay	-	3	16	Struck rock at 17 feet.			
No water sample collected. Feb. 4, 1937.				Water level, 3.5 feet below top of ground, 2 hours after hole completed.			
<u>Well 212</u>				<u>Well 272</u>			
Low hilltop, W. J. Stalcup tract, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 68, blk. A, 7 miles east of Lubbock.				In canyon, approximately 50 feet below normal ground, T. T. Ry. Co. tract, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, blk. B, 3 miles southeast of Lubbock.			
Surface materials-	-	3	3	Mucky surface materials	-	3	3
Caliche	-	7	10	Sand and gravel	-	4	7
Sand and chalk rock	-	3	13	Gray sandy clay	-	8	15
Light-colored sand and gravel	-	3	16	Black materials	-	2	17
Red sand and small chalk gravel	-	4	20	Light-colored sand	-	3	20
No water sample collected. Feb. 4, 1937.				Struck rock and gravel at 20 feet.			
<u>Well 213</u>				<u>Well 273</u>			
Slightly rolling, SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 68, blk. A, 7 $\frac{1}{2}$ miles east of Lubbock.				In canyon, approximately 50 feet below normal ground, T. T. Ry. Co. tract, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5, blk. B, 1 $\frac{1}{2}$ miles southeast of Lubbock.			
Surface materials-	-	4	4	Surface materials-	-	3	3
Caliche	-	7	11	Sand and clay	-	2	5
Sand and caliche	-	9	20	Light-colored fine-grained sand	-	5	10
Sand and small gravel-	-	3	23	Fine-grained yellowish sand	2	12	
No water sample collected. Feb. 7, 1937.				Water level 4.9 feet below top of ground, 21 hours after hole completed.			
<u>Well 214</u>				<u>Well 274</u>			
Flat, G. P. Smith tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 2, T. T. Ry. Co. survey, blk. R. G, 8 miles east of Lubbock.				Water level 4.9 feet below top of ground, 21 hours after hole completed.			
Surface materials-	-	2	2	Water sample collected. Dec. 21, 1936.			
Red sandy materials	-	2	4				
Caliche	-	1	5				
Sandy clay and caliche	-	4	9				
Yellow hard, packed clay	-	4	13				
No water sample collected. Feb. 3, 1937.							

Logs of 7. P. A. test wells in Lubbock County--Continued

	Thickness Depth (feet) (feet)	
<u>Well 284</u>		
Rolling land, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1, G. C. & S. F. Ry. Co. survey, blk. E, 3 $\frac{1}{2}$ miles south of Lubbock.		
Brownish surface materials	3	3
Red sand - - - - -	2	5
Light-colored sand and gravel - - - - -	8	13
White packed sand and rock	4	17
Light-colored sand and gravel - - - - -	5	22
No water sample collected. Dec. 18, 1936.		

	Thickness Depth (feet) (feet)	
<u>Well 286</u>		
Flat, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, G. C. & S. F. Ry. Co. survey, blk. S, 5 $\frac{1}{2}$ miles southeast of Lubbock.		
Brown surface materials -	3	3
Red sandy materials - -	5	8
Gray sandy clay - - -	1	9
Caliche - - - - -	4	13
Sand - - - - -	1	14
Struck rock at 14 feet.		
No water sample collected. Jan. 4, 1937		

	Thickness Depth (feet) (feet)	
<u>Well 289</u>		
In canyon, approximately 50 feet below normal ground, Zack T. Williams tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, G. C. & S. F. Ry. Co. survey, blk. S, 7 $\frac{1}{2}$ miles southeast of Lubbock.		
Surface materials- - -	3	3
Sand - - - - -	3	6
Fine-grained white sand -	2	8
Quicksand - - - - -	3	11
Clay and gravel - - -	2	13
Struck water at 7 $\frac{1}{2}$ feet.		
Water level, 7.9 feet below top of ground, 1 hour after hole completed. Water sample collected. Jan. 26, 1937.		

	Thickness Depth (feet) (feet)	
<u>Well 290</u>		
Flat, 300 feet south of canyon, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 23, G. C. & S. F. Ry. Co. survey, blk. S, 8 miles southeast of Lubbock.		
Surface materials- - -	2	2
Caliche - - - - -	6	8
Sand and gravel - - -	4	12
Light-colored sand and gravel - - - - -	3	15
No water sample collected. Jan. 20, 1937.		

	Thickness Depth (feet) (feet)	
<u>Well 292</u>		
Flat, south side State Highway 7, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, G. C. & S. F. Ry. Co. survey, blk. S, 9 $\frac{1}{2}$ miles southeast of Lubbock.		
Surface materials- - -	2	2
Reddish sandy materials -	2	4
Sand and caliche - - -	2	6
Caliche - - - - -	6	12
Struck rock at 12 feet.		
No water sample collected. Jan. 26, 1937.		

	Thickness Depth (feet) (feet)	
<u>Well 296</u>		
Slightly rolling, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 73, G. C. & S. F. Ry. Co. survey, blk. S, 10 miles southeast of Lubbock.		
Surface materials- - -	4	4
Caliche - - - - -	3	7
Sandy materials and caliche- - - - -	2	9
Red clay and caliche - -	2	11
Red packed sand - - -	4	15
No water sample collected. Jan. 20, 1937.		

	Thickness Depth (feet) (feet)	
<u>Well 300</u>		
Slightly rolling, Jerome Case tract, S $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 8, G. C. & S. F. Ry. Co. survey, blk. S, 7 miles southeast of Lubbock.		
Brown surface materials -	3	3
Red sandy materials - -	2	5
Caliche and sand - - -	7	12
Sandy material and gravel-	4	16
No water sample collected. Jan. 4, 1937.		

	Thickness Depth (feet) (feet)	
<u>Well 304</u>		
Rolling, approximately $\frac{3}{4}$ mile east of State Highway 9, E. L. & R. R. Ry. Co. tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, G. C. & S. F. Ry. Co. blk. E, 7 $\frac{1}{2}$ miles south of Lubbock.		
Surface materials- - -	3	3
Caliche and sand - - -	3	6
Red sand and gravel - -	7	13
Struck rock at 13 feet.		
No water sample collected. Dec. 17, 1936.		

	Thickness Depth (feet) (feet)	
<u>Well 306</u>		
Slightly rolling, F. M. Edwards tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, G. C. & S. F. Ry. Co. survey, blk. E, 7 $\frac{1}{2}$ miles south of Lubbock.		
Surface materials- - -	2	2
Caliche - - - - -	1	3
Red sand- - - - -	3	6
Caliche - - - - -	1	7
Sand and chalk rock - -	4	11

(Continued on next page)

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

	Thickness (feet)	Depth (feet)
<u>Well 306--Continued</u>		
Sand, clay and caliche	4	15
Gray sandy clay	6	21
Fine-grained white sand	1	22
Struck rock at 22 feet.		
Water sample collected. Dec. 17, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 308</u>		
Rolling land, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, G. O. & S. F. Ry. Co. survey, blk. E, 5 $\frac{1}{2}$ miles south of Lubbock.		
Surface materials	2	2
Sand and caliche	9	11
Sand	1	12
Light-colored sand and chalk rock	4	16
Packed sand and rocks	5	21
No water sample collected. Dec. 18, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 311</u>		
Bottom of large shallow basin, Marvin Kinser tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 4, G. O. & S. F. Ry. Co. survey, blk. E, 3 $\frac{3}{4}$ miles south of Lubbock.		
Surface materials	4	4
Red sand and gravel	4	8
Caliche	5	13
Gray clay	6	19
Fine-grained white sand and soap-stone	2	21
Gray sandy clay	11	32
Fine-grained white sand	3	35
Water sample collected. Dec. 16, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 320</u>		
Bottom of basin, B. & B. tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, blk. E 2, 4 $\frac{3}{4}$ miles southwest of Lubbock.		
Black gumbo	3	3
Gray surface materials	2	5
Caliche	2	7
Gray clay and caliche	6	13
Soap stone	3	16
Red sand	2	18
Caliche	2	20
Water sample collected. Dec. 14, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 322</u>		
Shallow basin slope, B. S. & F. tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, blk. E2, 6 $\frac{1}{2}$ miles southwest of Lubbock.		
Surface materials	2	2
Gray clay and surface materials	2	4

	Thickness (feet)	Depth (feet)
<u>Well 322--Continued</u>		
Yellowish clay and caliche	6	10
Sand and caliche	6	16
Fine-grained light-colored sand, chalky rock and gravel	7	23
No water sample collected. Dec. 14, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 323</u>		
Basin slope, Chas. Butler tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20, blk. E2, 5 $\frac{1}{2}$ miles south of Lubbock.		
Surface materials	2	2
Caliche	4	6
Red sand and gravel	7	13
Chalk rock and caliche	3	16
Struck hard rock at 16 feet.		
Water sample collected. Dec. 16, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 325</u>		
Upland flat, E. L. & R. R. Ry. Co. tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5, blk. AK, 8 miles southwest of Lubbock.		
Surface materials	3	3
Caliche and sand	4	7
Coarse red sand	3	10
Light-red sand and small rocks	4	14
Fine-grained sand and chalk rock	10	24
Water sample collected. Dec. 15, 1936.		

	Thickness (feet)	Depth (feet)
<u>Well 327</u>		
Low hilltop, near northeast corner sec. 128, Z. T. Brooks survey, 10 miles south of Lubbock.		
Reddish surface materials	5	5
Caliche and sand	7	12
Fine-grained red sand and gravel	5	17
Red silty sand	2	19
Fine-grained sand	1	20
Struck hard rock at 20 feet.		
Water sample collected. Dec. 15, 1936.		



Partial analyses of water from wells in Lubbock County, Texas

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

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calculated)
1	H.H. Berryman	95	Apr.26,1937	475	-	-	-	268	120	54	-
2	W.T. Gilbert	112	do.	582	-	-	-	146	176	136	-
3	E.E. Winters	50	Apr.15,1937	1,938	203	201	162	438	831	326	1,333
4	Hardy School	147	do.	841	-	-	-	159	365	124	-
5	J.A. Brown	115	do.	862	84	79	102	300	337	112	534
6	B.W. Giles	160	Apr.26,1937	435	-	-	-	171	120	80	-
7	S.E. Cone	135	do.	358	-	-	-	256	60	40	-
8	R. T. Hood	106	Apr.15,1937	547	-	-	-	232	128	112	-
9	Leon Estate	182	Apr.26,1937	417	-	-	-	256	104	38	-
10	New Deal School	118	Apr.30,1937	462	-	-	-	268	98	66	-
11	Temple Trust Co.	-	Apr.27,1937	641	-	-	-	342	140	104	-
14	Richard Carruth	99	Apr.26,1937	595	86	55	56	343	96	128	439
15	T.V. Lovelace	209	May 7, 1937	274	42	34	20	305	a/	30	246
16	H.A. Iverson	120	May 4, 1937	416	-	-	-	305	42	68	-
17	T.H. Samons	157	Apr.26,1937	372	-	-	-	329	32	36	-
19	--	110	Apr.27,1937	423	-	-	-	317	64	46	-
22	Fritz Fuchs	129	May 6, 1937	335	-	-	-	329	15	28	-
23	L.D. Perry	115	do.	371	67	29	35	329	42	36	288
24	Center School	94	May 3, 1937	628	-	-	-	305	68	180	-
26	R.H. Emery	186	Apr.27,1937	316	-	-	-	293	23	28	-
27	--	92	May 3, 1937	283	-	-	-	171	57	40	-
28	--	94	do.	327	-	-	-	317	12	32	-
29	Geo. K. Bean	115	May 6, 1937	350	-	-	-	317	30	30	-
30	O.C. Powell	62	Feb. 4,1937	507	-	-	-	390	57	68	-
31	--	85	do.	344	63	45	5	281	19	74	343
32	Ed. Oden	100	do.	370	-	-	-	256	60	48	-
33	J.I. Lokey	87	do.	682	-	-	-	378	113	136	-
34	A.M. Becton	100	do.	543	-	-	-	256	83	138	-
35	do.	255	Mar.15,1937	346	53	35	32	317	34	36	277
36	Bledsoe School	100	Feb. 4,1937	344	-	-	-	232	49	54	-

a/ Sulphate less than 10 parts per million.

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

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calculated)
38	Frank Bledsoe	61	Mar.11,1937	440	-	-	-	342	60	48	-
39	Mrs. R.B. Catching	100	Feb. 4,1937	280	-	-	-	281	26	8	-
40	Estacado School	100	Feb. 3,1937	378	64	49	11	305	34	70	360
41	R.C. Mabry	230	do.	388	-	-	-	342	41	32	-
44	Dallas Joint Stock Bank	115	do.	385	31	27	86	360	34	30	187
45	--	95	Feb. 4,1937	510	82	63	16	311	86	110	464
47	George Young	77	Mar.10,1937	859	-	-	-	354	185	196	-
50	F.H. Cannon	137	May 3, 1937	301	50	41	12	349	a/	26	296
51	W.A. Armstrong	90	do.	555	81	61	45	451	68	78	453
52	- Hawkins	186	Apr.28,1937	304	-	-	-	293	12	30	-
53	W.O. Fortenberry	200	Apr.27,1937	243	35	29	18	220	19	34	208
54	Martin Humphries	264	May 6, 1937	231	26	24	29	177	23	42	165
55	R.D. Holmes	94	Apr.27,1937	270	-	-	-	220	26	24	-
59	L.E. Howard	-	Mar.15,1937	227	-	-	-	317	80	27	-
60	Liberty School	-	do.	357	67	38	22	366	a/	50	293
61	G.R. Bean	67	Jan.28,1937	632	90	43	89	451	110	78	401
62	H.T. Atkins	89	do.	361	54	43	23	305	49	42	311
63	--	85	Mar.15,1937	454	-	-	-	268	88	70	-
64	W.Y. Barrett	211	Apr.27,1937	306	-	-	-	268	23	34	-
66	New Deal School	-	May 3, 1937	230	-	-	-	171	26	34	-
72	J.I. Exum	156	Apr.27,1937	359	-	-	-	281	49	38	-
75	B.R. Shaw	71	Apr.12,1937	580	-	-	-	256	161	100	-
76	Tom J. Foster	150	Apr.28,1937	302	-	-	-	232	47	30	-
77	A.E. Griffith	216	Mar.16,1937	386	-	-	-	281	64	42	-
79	W.P.A. test well	8	Dec.28,1936	3,166	-	-	-	659	1,048	730	-
81	J.E. Vickers	160	Dec. 6,1936	458	44	41	67	287	113	52	281
82	--	51	Apr.12,1937	765	104	49	103	329	205	142	460
83	W.P. Perser	115	Apr.13,1937	462	52	34	73	311	102	48	271
84	J.B. McCauley	116	do.	631	-	-	-	305	185	76	-
85	do.	115	do.	646	75	44	94	305	213	70	367
87	W.O. Arnold	44	Apr.12,1937	850	76	66	130	317	306	116	461
88	J.A. McClatchy	74	do.	491	-	-	-	207	125	92	-

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

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calculated)
89	Grovesville School	82	Apr.12,1937	643	79	44	90	299	197	86	377
91	Lubbock National Bank	200	Apr.21,1937	696	116	49	61	348	225	74	490
93	T.H. Sears	108	Apr.15,1937	604	-	-	-	293	144	102	-
95	--	-	Apr.16,1937	724	-	-	-	171	242	154	-
96	K.D. Kidd	-	do.	1,179	-	-	-	146	538	190	-
97	G.R. Johnson	105	Apr.22,1937	1,189	-	-	-	293	502	152	-
98	Lon A. Muligan	73	Apr.15,1937	1,325	102	113	174	232	682	140	720
99	R.B. Gray	108	June 22,1937	920	-	-	-	220	366	142	-
100	O.P. Bowser	165	do.	515	-	-	-	342	108	52	-
102	--	95	Apr.15,1937	756	75	69	99	365	217	116	473
103	H.T. Ferguson	59	do.	815	-	-	-	281	221	174	-
106	Mrs. S.P. Field	58	Apr. 9,1937	770	-	-	-	244	272	118	-
107	B.G. Lckey	75	do.	546	-	-	-	268	102	116	-
109	C.C. Vance	99	do.	884	-	-	-	268	303	150	-
110	--	50	Apr.12,1937	672	-	-	-	354	170	90	-
111	--	92	Apr.14,1937	572	-	-	-	366	97	86	-
113	- Hutchison	156	Apr.13,1937	462	-	-	-	244	112	66	-
114	G.W. McCleary	143	do.	516	55	52	67	390	92	58	352
116	J.B. Edwards	160	Apr.14,1937	588	-	-	-	268	165	86	-
117	J.H. Able	170	do.	499	-	-	-	281	133	52	-
120	J.W. Bush	-	Dec.7,1936	740	-	-	-	348	217	94	-
121	Claude Camel	208	May 20,1937	565	48	47	95	354	141	60	314
122	Mrs. W.M. Pevehouse	153	do.	564	-	-	-	317	144	64	-
124	Isham Tubbs	-	Dec. 8,1936	605	69	51	81	342	150	86	382
125	Mrs. W.T. Bond	-	Dec. 7,1936	785	-	-	-	366	221	110	-
126	W.P.A. test well	30	Dec.11,1937	572	62	58	86	647	40	8	396
130	C.C. Lane	159	May 22,1937	623	-	-	-	342	147	86	-
132	J.W. Ross	202	May 20,1937	642	62	57	94	366	153	96	390
134	O.C. Ballard	-	Dec. 8,1936	688	82	60	84	366	169	112	452
136	John King	162	June 21,1937	739	-	-	-	281	189	154	-
138	C.A. Gibson	120	Apr.14,1937	437	-	-	-	256	92	62	-
140	J.C. James	87	do.	657	72	56	99	492	116	72	410
142	M.K. Dean	100	June 22,1937	1,064	-	-	-	317	402	150	-
143	R.R. Marshall	101	Apr.14,1937	1,106	128	73	156	415	405	140	620

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

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Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Total hardness as CaCO <sub>3</sub> (calculated)
149	J.B. McCauley	116	Apr.13,1937	1,342	122	83	222	366	567	168	646
153	--	55	Dec. 8,1936	602	-	-	-	348	133	82	-
154	J.S. Hamilton	160	June 21,1937	596	-	-	-	244	169	100	-
156	J.M. Phillips	152	Dec. 8,1936	601	-	-	-	354	129	82	-
160	Texas Tech College	200	Dec. 1,1936	628	64	55	89	348	157	92	384
181	W.P.A. test well	20	Dec.21,1936	2,190	135	159	408	647	805	365	993
186	do.	16	Jan. 6,1937	1,251	-	-	-	439	314	285	-
188	State of Texas	124	Mar. 8,1937	382	33	36	61	268	68	52	233
192	Canyon School	62	Mar. 9,1937	458	-	-	-	329	64	62	-
193	J.A. Burlison	125	May 19,1937	450	54	40	60	336	72	56	300
199	Jess Levens	59	Jan.28,1937	619	-	-	-	329	125	110	-
200	N. E. Ward School	-	do.	1,048	137	85	116	336	265	280	693
203	Russell Bean	138	do.	426	-	-	-	317	64	48	-
207	- Smiley	53	Mar. 9,1937	709	-	-	-	354	170	114	-
216	J.T. Mattingly	78	Feb. 3,1937	384	-	-	-	329	37	42	-
225	Acuff School	100	do.	696	93	59	78	360	151	138	477
227	--	76	Feb. 4,1937	278	-	-	-	232	30	29	-
229	--	85	Feb. 3,1937	426	-	-	-	256	71	74	-
230	Guss Collett	100	do.	452	-	-	-	305	57	78	-
231	E.N. Cummings	107	Jan.14,1937	711	-	-	-	464	108	114	-
232	Mrs. Annie E. Parks	100	Jan.20,1937	428	-	-	-	305	64	56	-
233	Mrs. U.P. Pace	200	do.	582	-	-	-	354	100	96	-
234	San Augustine Ranch	100	do.	582	-	-	-	403	92	78	-
235	W.F. Klattenhoff	76	do.	411	36	49	49	275	76	66	290
236	W.N. Ferris	100	do.	576	-	-	-	354	83	108	-
238	Mrs. Annie E. Parks	100	do.	561	-	-	-	451	49	78	-
239	W.A. Ferguson	-	Jan.14,1937	433	33	35	87	366	60	38	227
240	W.M. Meyer	185	do.	385	-	-	-	268	68	44	-
241	O.W. Carr	140	Jan.28,1937	591	-	-	-	378	117	74	-
251	--	-	Jan.20,1937	552	-	-	-	342	106	78	-
253	City of Slaton. Well #1.	135	Jan.18,1937	591	51	46	106	378	133	70	318
254	City of Slaton. Well #3.	206	do.	591	52	50	98	378	133	72	336
255	City of Slaton Well #2.	125	do.	561	52	50	87	354	124	74	336

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

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257	W.M. Johnson	165	Jan.26,1937	461	-	-	-	293	110	42	-
259	--	107	do.	432	35	44	64	268	97	60	267
263	W.H. Rogers	Spring	May 11,1937	1,668	-	-	-	500	517	336	-
264	do.	do.	do.	416	50	39	58	366	41	48	284
265	do.	do.	do.	431	-	-	-	329	56	54	-
266	do.	do.	do.	464	-	-	-	329	71	60	-
267	--	100	Dec.21,1936	460	-	-	-	329	72	56	-
268	E.H. Foerster	116	May 19,1937	445	-	-	-	329	64	51	-
269	H.C. Atwood	130	do.	515	74	39	63	403	72	51	341
270	Geo. M. Boles	100	Dec.21,1936	714	58	46	140	380	201	82	333
271	W.P.A. test well	17	do.	1,886	62	120	448	653	627	208	649
272	do.	20	do.	1,934	48	71	604	1,251	386	210	409
273	do.	12	do.	1,250	84	96	254	714	225	240	604
276	City of Lubbock	152	Apr.22,1937	586	66	58	65	323	143	90	406
277	L. Kershner	120	Jan.15,1937	821	-	-	-	529	141	154	-
278	--	100	Mar. 8,1937	1,666	170	147	207	319	220	500	1,031
282	L. E. Guilot	74	Dec.18,1936	661	-	-	-	378	144	91	-
283	J.A. McClatchey	100	Dec.22,1936	817	77	60	142	441	189	132	437
285	W.M. Cheaney	102	May 19,1937	646	-	-	-	305	156	112	-
287	Edna G. Steele	64	Jan. 6,1937	918	-	-	-	378	228	132	-
289	W.P.A. test well	13	Jan.26,1937	3,443	-	-	-	659	1,310	670	-
291	H.P. Gueterslob	83	Jan.20,1937	617	-	-	-	220	174	122	-
293	James L. Benton Sr.	79	Jan.26,1937	581	33	51	112	342	137	80	292
294	Mrs. J.W. Maines	84	Jan.20,1937	663	-	-	-	378	137	102	-
295	--	100	do.	622	-	-	-	366	137	82	-
297	--	100	do.	604	-	-	-	366	120	86	-
298	Jerome I. Case	66	Jan. 6,1937	626	-	-	-	268	165	110	-
299	- Nunally	100	Jan. 4,1937	635	-	-	-	378	141	80	-
301	New Hope School	70	Jan. 6,1937	1,022	-	-	-	390	297	180	-
302	Fred E. Minssen	100	Jan. 4,1937	857	-	-	-	476	177	138	-
303	R.L. Stewart	165	do.	612	-	-	-	415	117	68	-
305	H.B. Davis	97	Dec.22,1936	664	-	-	-	403	121	104	-
306	W.P.A. test well	22	Dec.17,1936	259	-	-	-	348	161	138	-
307	Dr. I.I. Krueger	161	Dec.18,1936	596	34	39	134	342	148	72	244
309	J.J. McGaw	98	Dec.22,1936	738	-	-	-	415	155	114	-

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

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311	W.P.A. test well	35	Dec.16,1936	715	-	-	-	256	237	108	-
312	M.C. Kinser	90	Dec.18,1936	815	-	-	-	464	159	134	-
314	- Zelmar	150	May 17,1937	602	-	-	-	354	145	68	-
316	E.A. Hankins	123	May 18,1937	658	-	-	-	366	180	66	-
317	Charles Adam Jr.	-	do.	626	-	-	-	378	157	60	-
320	W.P.A. test well	20	Dec.14,1936	627	67	52	91	360	148	92	382
321	J. Curtis Heald	100	do.	572	-	-	-	311	129	86	-
323	W.P.A. test well	16	Dec.16,1936	744	-	-	-	317	187	140	-
324	E.C. Hatton	100	Dec.23,1936	796	101	69	78	250	265	160	538
325	W.P.A. test well	24	Dec.15,1936	633	-	-	-	348	144	92	-
326	F.P. Clark	100	Dec.23,1936	605	-	-	-	415	101	78	-
327	W.P.A. test well	20	Dec.15,1936	628	-	-	-	342	142	94	-
328	W.C. Ratliff	100	do.	617	-	-	-	397	102	94	-
329	E.L. McCrummen	88	do.	560	-	-	-	403	83	72	-
330	Dr. A.C. Holden	170	May 13,1937	563	36	39	127	427	80	66	249
331	J.M. Locklar	89	Dec.15,1936	599	-	-	-	403	106	76	-
332	--	-	Dec.11,1936	631	78	56	75	354	140	108	425
333	Wilmer McCrummen	-	do.	541	-	-	-	372	98	62	-
336	--	-	do.	763	-	-	-	354	197	124	-
337	Dr. J.T. Hutchinson	-	do.	660	-	-	-	384	155	80	-
338	George Langford	-	May 20,1937	539	-	-	-	390	91	58	-
340	J.E. Hinson	-	Dec.19,1936	757	-	-	-	390	185	112	-
341	Travis Tubbs	173	May 20,1937	622	-	-	-	403	140	60	-
342	S.O. Adamson	169	May 18,1937	678	-	-	-	390	180	66	-
343	J.P. Thomas	-	Dec. 9,1936	782	-	-	-	397	201	110	-
345	D.S. Tucker	196	do.	546	42	40	113	427	87	54	270
346	A.M. Leftwich	86	Dec. 2,1936	677	-	-	-	354	185	80	-
347	J.S. Sharp	190	May 20,1937	656	26	26	192	427	128	74	171
348	L.F. Jordan	-	Dec. 9,1936	732	-	-	-	427	159	100	-
349	L.E. Tucker	-	Dec. 2,1936	526	-	-	-	354	105	56	-
350	R.D. Martin	206	May 20,1937	637	-	-	-	329	204	50	-
352	W.V. Hill	155	May 14,1937	628	-	-	-	329	167	78	-
353	W.H. Hill	170	do.	686	59	45	131	372	178	90	333
354	I. Elwood	-	Dec. 2,1936	790	61	52	152	354	241	110	367
355	J.A. Medlock	188	May 20,1937	627	-	-	-	366	147	76	-

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

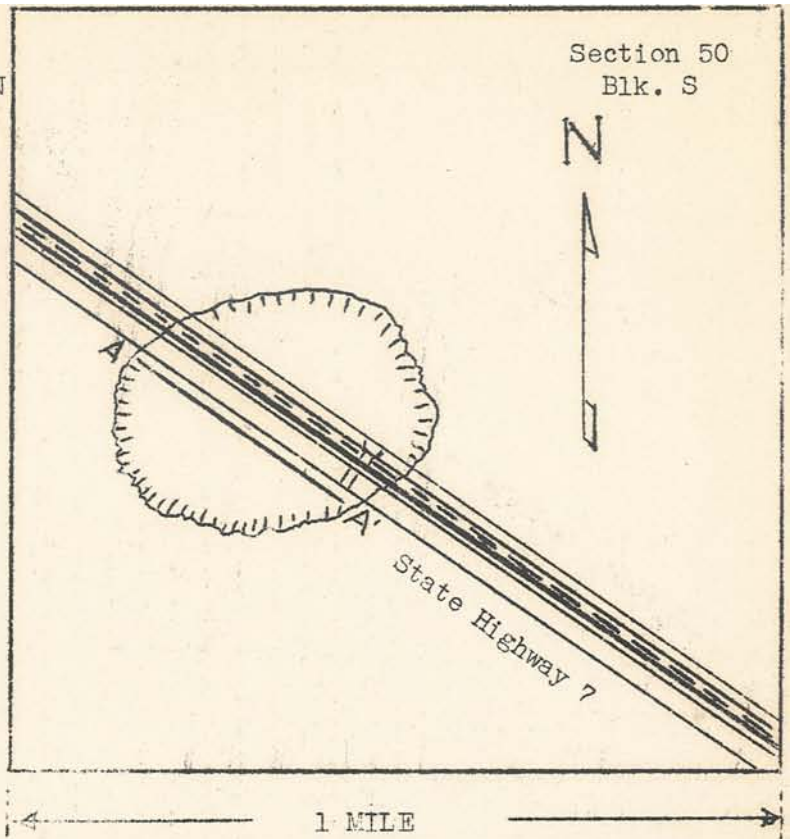
Results are in parts per million.

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356	A.M. Hughes	-	Dec. 14, 1936	674	-	-	-	378	151	96	-
357	L.P. Thomas	140	Dec. 2, 1936	786	-	-	-	458	169	110	-
358	M.F. Klattenhoff	77	Dec. 15, 1936	507	66	51	49	342	117	56	375
360	--	-	Dec. 22, 1936	514	-	-	-	366	98	48	-
361	H.C. Young	-	do.	571	-	-	-	354	117	74	-
362	J.M. Burch	109	Dec. 15, 1936	523	-	-	-	403	68	62	-
363	Otis A. Rogers	100	Dec. 22, 1936	747	-	-	-	378	174	122	-
364	W.A. Frost	106	do.	492	-	-	-	354	83	54	-
365	First National Bank	-	Dec. 15, 1936	499	46	43	86	390	76	56	291
367	--	116	Dec. 22, 1936	491	51	45	74	384	76	56	313
368	John B. Lewis	100	do.	787	-	-	-	488	174	90	-
369	A.D. Thomas	98	do.	483	-	-	-	403	53	50	-
370	--	-	Jan. 4, 1937	677	66	57	107	403	133	116	400
371	R.O. Gregory	-	Jan. 6, 1937	592	-	-	-	378	124	68	-
375	C.L. Griffin	128	May 12, 1937	537	-	-	-	403	80	60	-
378	Union School	98	Jan. 6, 1937	576	-	-	-	317	133	82	-
377	M.D. Gamble	87	do.	607	60	55	91	396	116	90	375
378	--	-	do.	876	-	-	-	427	241	118	-
379	--	81	do.	713	-	-	-	415	153	100	-
380	Mrs. S.H. Adams	-	do.	578	-	-	-	378	116	66	-
381	- Childers	130	May 12, 1937	592	-	-	-	390	117	68	-
382	- Ralesback	120	Jan. 26, 1937	517	-	-	-	378	91	50	-

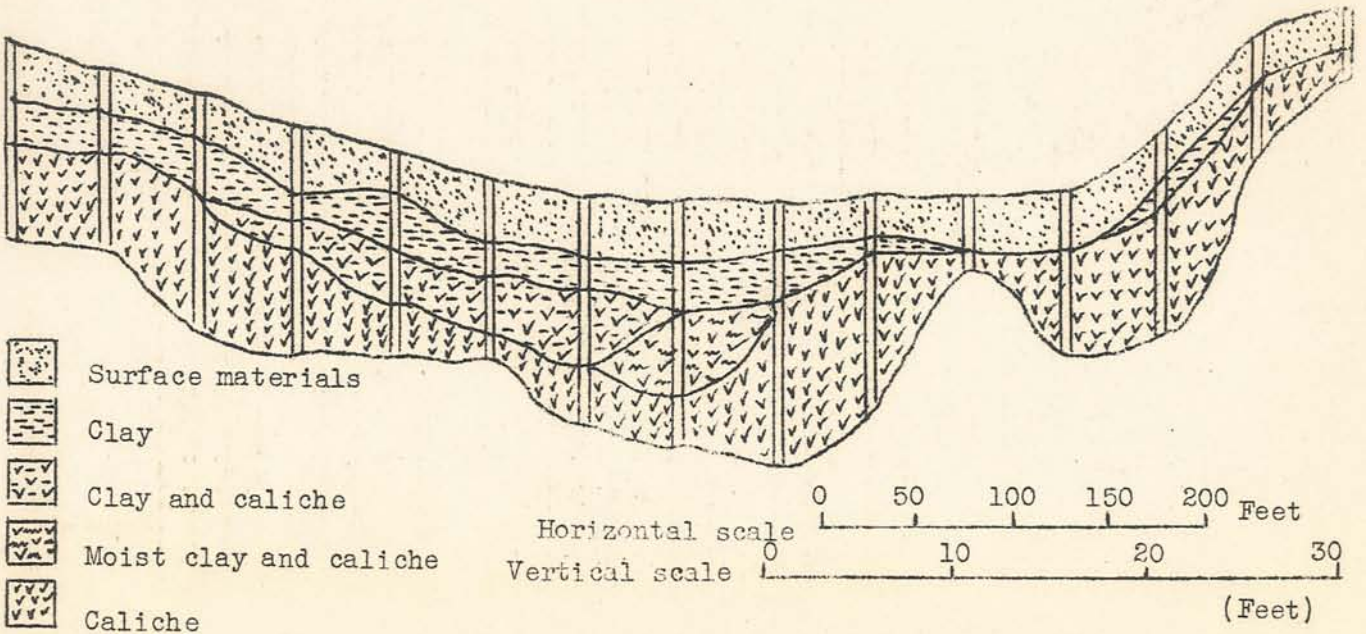
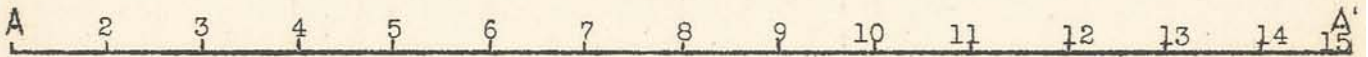
GROUP 258

W. P. A. TEST WELLS SHOWING CROSS SECTION ACROSS DRY LAKE IN SECTION 50, BLK. S, 12 1/2 MILES SOUTHEAST OF LUBBOCK.

Section 50  
Blk. S



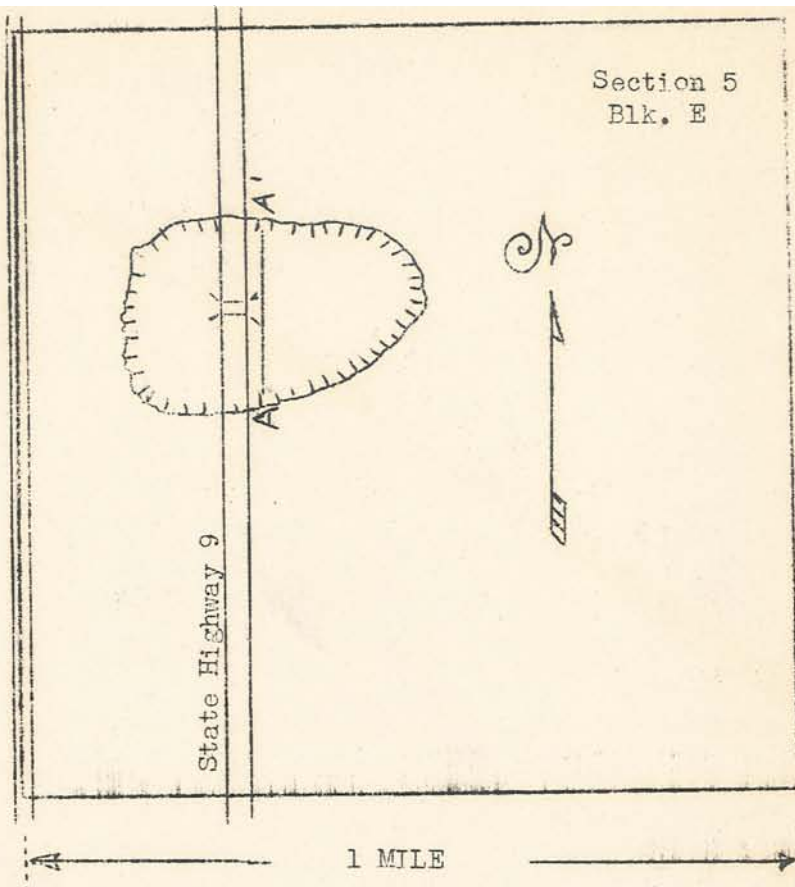
SECTION A-A' COMPILED FROM 15 TEST WELLS



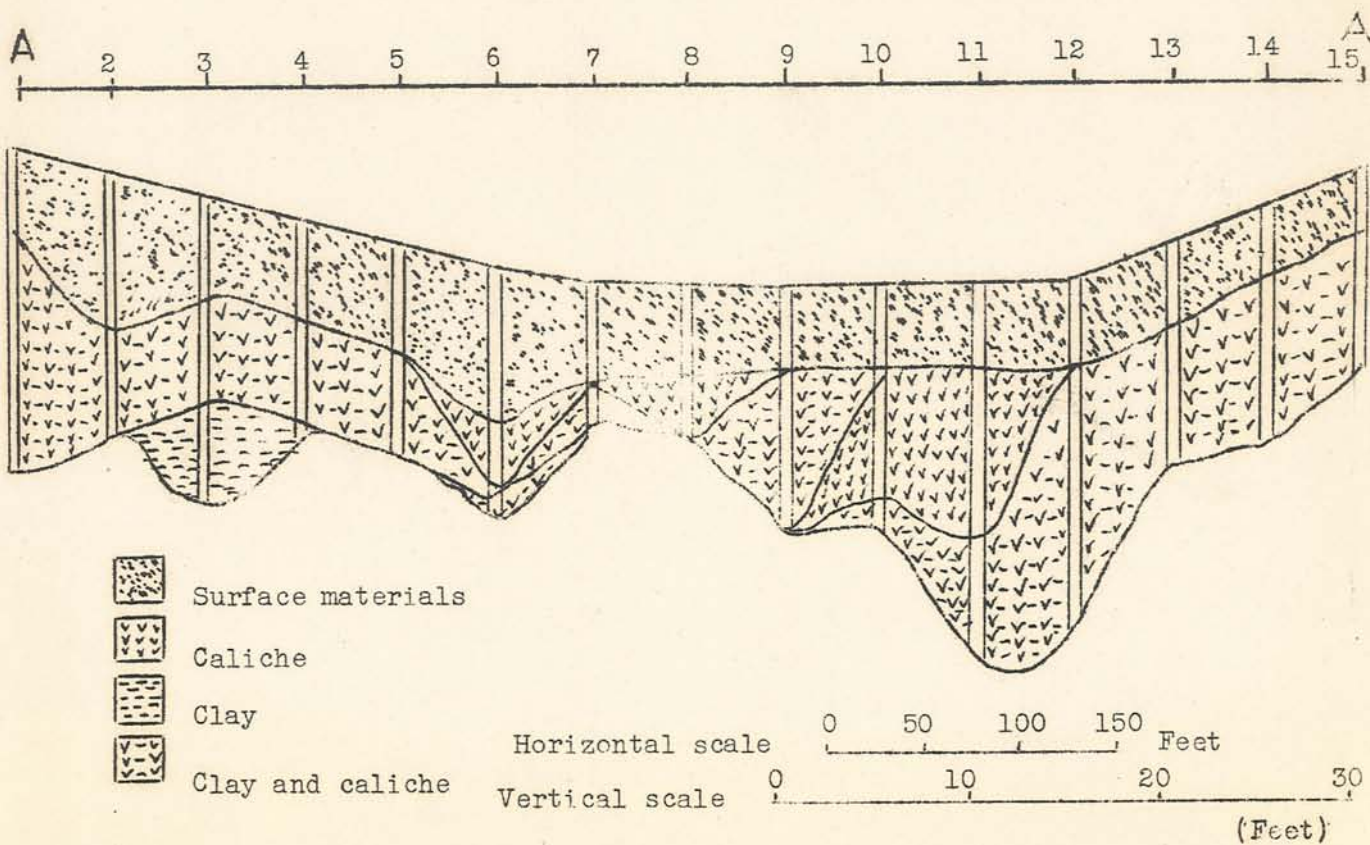


GROUP 310  
W. P. A. TEST WELLS SHOWING  
CROSS SECTION OF DRY LAKE IN  
SECTION 5, BLK. E,  $3\frac{1}{2}$  MILES  
SOUTH OF LUBBOCK.

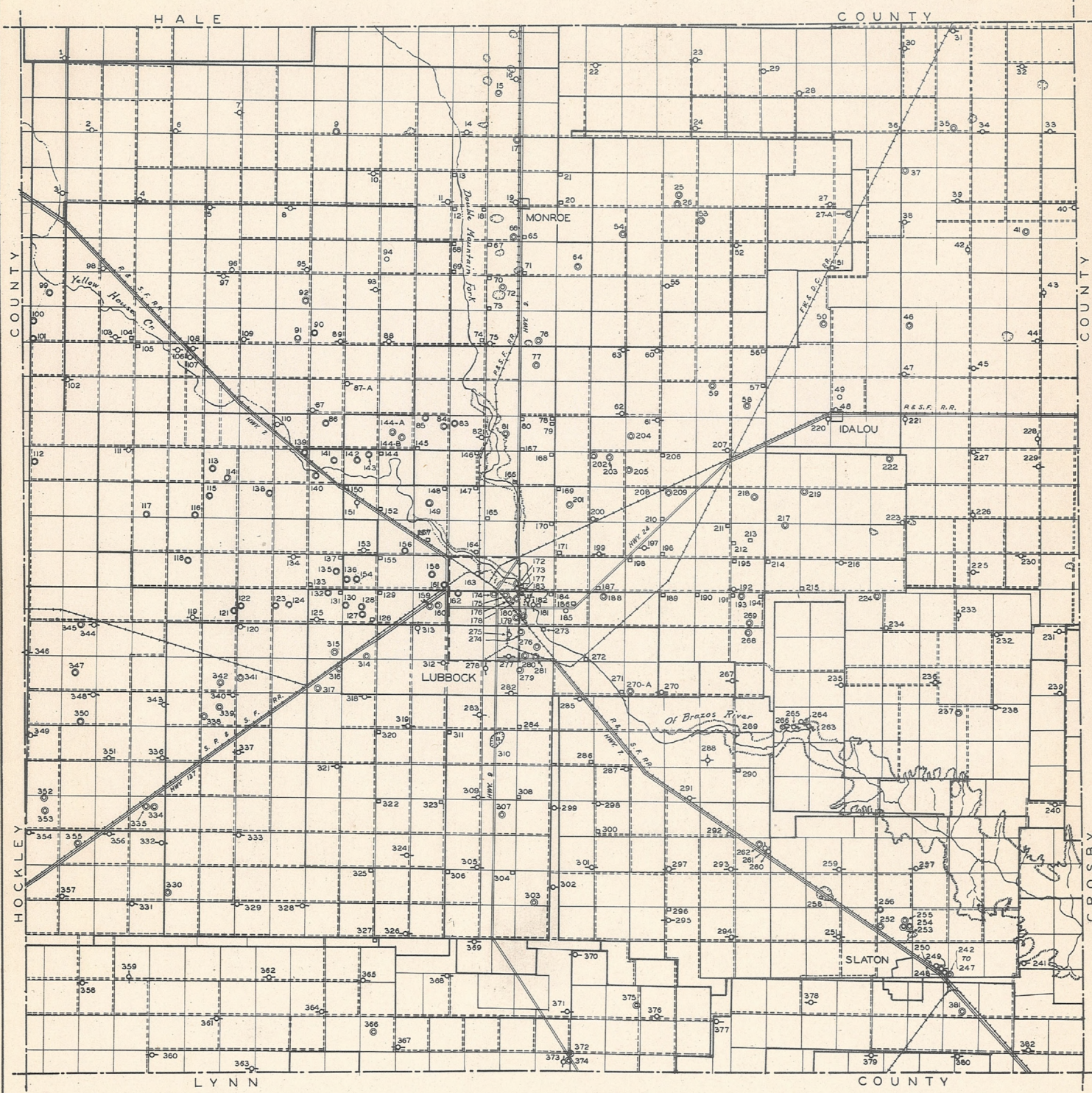
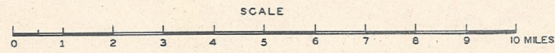
Section 5  
Blk. E



SECTION A-A' COMPILED FROM 15 TEST WELLS



# MAP OF LUBBOCK COUNTY, TEXAS SHOWING LOCATIONS OF WATER WELLS LISTED



-EXPLANATION-

FIELD WORK BY  
M. G. HUGHETT - B. G. BRIGANCE  
PROJECT SUPERINTENDENT  
W.P.A. PROJECT 6505-5072

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
- ◇ UNUSED WELL
- TEST WELL DRILLED BY W.P.A. LABOR
- SPRING
- IMPROVED ROAD
- - - UNIMPROVED ROAD
- ▲ BLUFF
- ⊖ SINK

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