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CHEROKEE COUNTY, TEXAS

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

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WORKS PROGRESS ADMINISTRATION

GROUND WATER SURVEY

PROJECT 2074

G. H. Cromack

Project Superintendent

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Analyses made, map prepared, data
assembled, and report mimeographed by
WORKS PROGRESS ADMINISTRATION
PROJECT 6909

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

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Austin, Texas
Dec. 21, 1936.

CHEROKEE COUNTY, TEXAS

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Introduction

by

Samuel F. Turner

Associate Hydraulic Engineer

U. S. Geological Survey

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

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

The analyses were made by chemists employed on Works Progress Administration Project 6909 at Austin, Texas, sponsored by the State Planning Board and 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 Cherokee County was started on March 3, 1936, and completed on June 30, 1936. This project was Project 2074 of District 2 of the Works Progress Administration, Tyler, Texas. G. H. Cromack, a geologist, was project superintendent. Mr. Cromack deserves great credit for his work and for the many extra hours he spent on the project. The Tyler office of the Works Progress Administration made this work possible by their constant help and cooperation.

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

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

Records of wells in Cherokee County, Texas

(All wells are bored or drilled unless otherwise noted in the remarks column.)

No.	Distance from Jacksonville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
1	14 $\frac{1}{2}$ miles northwest	John Walker	C. R. Tindle	--	--	Spring	--	--
2	13 $\frac{1}{2}$ miles northwest	do.	Joe Meyers	John Smith	1934	35	36	2.6
3	13 miles northwest	do.	Archie Miller	--	1875	30	--	3.0
4	13 $\frac{1}{2}$ miles northwest	do.	W. P. A. test well	G. H. Cromack	1936	10	3	0
5	13 $\frac{1}{2}$ miles northwest	do.	H. E. Clyburn	--	--	31	--	2.9
6	12 miles northwest	do.	W. P. A. test well	G. H. Cromack	1936	8	3	2
7	12 $\frac{1}{2}$ miles northwest	L. S. Williams	Mrs. L. C. Wilkins	--	1885	41	--	2.1
8	12 miles northwest	J. W. Brock	J. J. Bailey	Carol Bokes	1935	25	36	3.2
9	11 miles northwest	John Jordan	W. C. J. Stephens	--	1915	29	--	4.6
10	11 $\frac{1}{2}$ miles northwest	John Vaughan	Fred Kirkpatrick	--	1905	32	--	3.1
11	11 miles northwest	do.	Mrs. W. A. Durham	--	1913	38	30	3.6
12	9 $\frac{1}{2}$ miles northwest	do.	S. D. Tomlin	--	1905	46	--	2.9
13	11 miles northwest	T. Timmons	G. H. Ellis	Ed Fletcher	1925	37	--	3.6
14	9 $\frac{1}{2}$ miles northwest	do.	W. P. A. test well	G. H. Cromack	1936	23	3	0
15	10 $\frac{1}{2}$ miles northwest	U. Moore	M. P. Davis	--	1930	20	36	2.6
16	9 miles northwest	do.	Mrs. Bessie Abbott	--	1920	28	--	4.5
17	8 miles northwest	do.	Mrs. G. W. Buchanan	--	1920	51	--	4.8
18	5 miles northwest	Jas. Cobb	W. P. A. test well	G. H. Cromack	1936	31	3	0
19	7 $\frac{1}{2}$ miles northwest	A. Gibson	W. Y. Forest	--	1915	47	--	3.2
20	9 miles north	do.	J. F. Saxon	--	--	26	30	3.0
21	10 miles northwest	do.	Wesley Beardon	--	--	32	--	3.2
22	12 miles north	--	Ben Prichard	Ben Prichard	1935	11	--	3.3
23	11 $\frac{1}{2}$ miles north	J. Mast	W. B. Cowthan	W. B. Cowthan	1933	52	30	1.4
24	10 $\frac{1}{2}$ miles north	--	Ruby Meyers	--	1920	28	--	2.9
25	10 miles north	G. Stokes	W. F. Clyburn	W. F. Clyburn	1924	76	21	4.1

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

Records obtained by G. H. Cromack, Project Superintendent
(Chemical analyses of water from these wells are in the table of analyses.)

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measure- ment			
1	Flows	Mar. 6, 1936	None	S	Flows 15 gallons a minute from fine white sand.
2	34.6	do.	B,H	N	Dug well with cement wall. Became dry after bailing for $\frac{1}{2}$ hour.
3	19.0	do.	do.	D	Dug well with wooden curb. Supply never fails.
4	3.5	do.	None	N	See log.
5	21.5	do.	B,H	D,S	Dug well with wooden curb. Well became almost dry after bailing for 3 hours. Supply never fails.
6	5.8	Mar. 9, 1936	None	N	See log.
7	36.3	do.	B,H	D,S	Dug well with brick curb. Permanent supply.
8	17.8	Mar. 10, 1936	B,H	D,S	Dug well with cement curb. Permanent supply.
9	24.5	Mar. 9, 1936	B,H	D	Dug well with brick curb. Permanent supply.
10	20.0	Mar. 6, 1936	B,H	D,S	Dug well with top 7 feet of well caved to 72 inch diameter.
11	29.3	Mar. 9, 1936	B,H	D,S	Dug well with brick curb. Permanent supply.
12	38.9	do.	B,H	D	Dug well with wood curb. Permanent supply of water.
13	35.8	do.	B,H	D,S	Dug well with wood curb. Became dry after bailing for $\frac{1}{2}$ hour but never fails.
14	16	do.	None	N	See log.
15	16.8	Mar. 11, 1936	B,H	D,C	Dug well with brick curb. Nearly dry in summer
16	23.7	Mar. 10, 1936	B,H	D,S	Dug well with wood curb. Never fails.
17	34.4	do.	B,H	D,S	Dug well with wood curb but no casing.
18	27	do.	None	N	See log.
19	41.2	do.	B,H	D,S	Dug well with wood curb but no casing. Became dry after bailing for 2 hours but never fails.
20	15.8	Mar. 13, 1936	B,H	D	Dug well with brick casing. Never goes dry.
21	22.0	Mar. 10, 1936	B,H	D,S	Dug well with wood curb but no casing. Nearly dry in summer.
22	8.5	Mar. 4, 1936	B,H	D	Dug well with wood curb. Became dry after bailing for $\frac{1}{2}$ hour but never fails.
23	51.2	Mar. 13, 1936	B,H	D	Dug well with tile casing. Never fails.
24	25.6	Mar. 4, 1936	B,H	D,S	Dug well with wood curb. Supply never fails.
25	74.0	Mar. 13, 1936	B,H	D	Dug well with tile casing. Became dry after bailing for $\frac{1}{2}$ hour but never fails.

c/ I, irrigation; Ind, industrial; P, public; D, domestic; S, stock; N, not used.
c/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Jacksonville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
26	8 miles north	T. D. Clark	B. S. Shamblin	B. Shamblin	1915	23	--	3.2
27	7 miles north	Thomas Quevado	G. A. Mc Kee	G. A. Mc Kee	1895	34	--	3.1
28	6 miles northeast	R. Rountree	R. A. Gossett	--	1874	37	36	2.4
29	7 miles northeast	C. M. Hill	W. P. A. test well	G. H. Cromack	1936	16	3	0
30	8 miles northeast	F. J. Anthony	J. W. Langston	J. W. Langston	1900	27	36	3.1
31	9½ miles north	do.	R. L. Burns	R. L. Burns	1935	27	30	5.7
32	11 miles north	W. Ragland	J. W. Gray	J. W. Wilcox	1935	20	30	3.5
33	11½ miles north	do.	W. P. A. test well	G. H. Cromack	1936	23	3	0
34	12 miles northeast	S. Blanton	J. F. Lowry	--	--	22	24	2.8
a/35	do.	do.	W. P. A. test well	G. H. Cromack	1936	35	3	0
36	do.	Wm. Vining	Allen Barton	--	--	Spring	--	--
37	11 miles northeast	J. Blanton	J. A. Husick	--	--	do.	--	--
38	10 miles northeast	J. T. Jones	J. F. Armstrong	J. F. Armstrong	1913	24	--	2.7
39	do.	do.	W. P. A. test well	G. H. Cromack	1936	17	3	0
40	9 miles northeast	S. A. Braley	Mrs. Howard	--	--	27	30	2.5
41	8½ miles northeast	J. Thomas	Bradley Est.	--	1895	50	--	3.0
42	8 miles northeast	do.	W. P. A. test well	G. H. Cromack	1936	14	3	0
43	7½ miles northeast	John Blanton	Sam Stockton	--	--	Spring	--	--
44	7 miles northeast	W. Ferguson	Dean Stockton	Dean Stockton	1920	29	--	4.5
45	6½ miles northeast	C. Burnett	W. P. A. test well	G. H. Cromack	1936	21	3	0
46	7 miles northeast	do.	Perry Owens	--	1932	42	--	3.2
47	8 miles northeast	E. C. Allison	J. W. Grimes	J. W. Grimes	1933	49	30	3.5
48	9 miles northeast	do.	Rogers Tillman	--	1927	20	--	4.4
49	do.	Wm. T. Smith	H. J. Fenton	Alfred Walker	1936	11	36	2.8
50	10 miles northeast	do.	Joe Northcutt	Joe Northcutt	1931	34	6	3.1

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

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

G. H. Cromack, Project Superintendent

No.	Water Level		Pump Use		Remarks
	Depth below measuring point (feet)	Date of measurement	and of power: <u>b/</u>	of water: <u>c/</u>	
26	21.2	Mar. 4, 1936	B,H	D,S	Dug well. Water level lowers but never fails.
27	26.2	do.	B,H	D,S	Dug well. Nearly dry in summer.
28	25.2	Mar. 25, 1936	E,H	D	Dug well with concrete casing. Never fails.
29	5.5	do.	None	N	See log.
30	21.3	Mar. 13, 1936	B,H	D	Dug well. Bailed dry in two hours but never fails.
31	21.1	do.	B,H	D,S	Dug well. Permanent supply.
32	16.2	do.	B,H	D,S	Dug well with concrete casing. Never fails.
33	19.5	do.	None	N	See log.
34	12.6	Mar. 26, 1936	B,H	D	Dug well with brick curbing. Never fails.
35	--	--	None	--	No water. See log.
36	--	--	None	D,S	Flows $\frac{1}{2}$ gallon a minute from sand.
37	--	--	None	D,S	Flows $\frac{1}{2}$ gallon a minute from sand between clay beds.
38	14.7	Mar. 26, 1936	B,H	D,S	Dug well with no casing. Never goes dry.
39	9.0	do.	None	N	See log.
40	19.4	do.	B,H	D,S	Dug well with brick curbing. Never fails.
41	38.9	Mar. 13, 1936	B,H	D,S	Dug well with no casing. Never fails.
42	6.0	Mar. 25, 1936	None	N	See log.
43	--	--	--	D,S	Water from gray, sandy clay.
44	11.1	Mar. 25, 1936	B,H	D,S	Dug well with no casing. Bails dry in 5 hours but never fails.
45	14.5	do.	None	N	See log.
46	29.0	do.	B,H	D,S	Dug well with no casing. Water lowers in summer but never fails.
47	45.6	do.	B,H	D,S	Dug well with tile casing. Bails dry in 2 hours and lowers in summer but never dry.
48	14.4	Mar. 27, 1936	B,H	D,S	Dug well with no casing. Bails dry in 3 hours and lowers in summer.
49	9.9	do.	E,H	D,S	Dug well with wood curbing.
50	13.8	do.	B,H	D	Bored well with tile casing. Never goes dry.

c/ I, irrigation; Ind, industrial; P, public; D, domestic; S, stock; N, not used.
d/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Jacksonville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
51	11½ miles northeast	Wm. T. Smith	C. T. Conway	--	--	16	36	2.9
52	11 miles northeast	do.	H. H. Wilbourn	--	--	42	30	2.7
53	12½ miles northeast	Wm. George	M. C. Childs	M. C. Childs	1890	37	--	2.9
54	do.	J. Lewis	Mrs. Fannie Grimes	--	1931	38	30	2.2
55	14 miles northeast	Wm. George	U. A. Potter	U. A. Potter	1909	29	--	4.2
56	14½ miles northeast	Edson Gee	W. P. A. test well	G. H. Cromack	1936	13	3	0
57	16 miles northeast	do.	L. F. Wilburn	--	1900	18	36	3.5
58	14 miles northeast	do.	Ed Ward	--	1910	25	36	3.3
59	12½ miles northeast	J. E. Engledow	W. P. A. test well	G. H. Cromack	1936	21	3	0
60	13½ miles northeast	do.	W. Norman	W. Norman	1918	25	--	4.0
61	12 miles northeast	do.	W. W. Finch	--	1905	23	--	2.9
62	10½ miles northeast	E. W. Hockett	W. P. A. test well	G. H. Cromack	1936	19	3	0
63	11 miles northeast	do.	D. E. Holman	--	1910	11	--	2.1
64	13 miles northeast	Larkin Baker	Fred Hudspeth	--	1900	35	--	1.9
65	do.	do.	W. A. Lacy	--	1900	37	24	2.3
66	14 miles northeast	do.	W. P. A. test well	G. H. Cromack	1936	18	3	0
67	14½ miles northeast	do.	Ross Martin	Ross Martin	--	53	--	5.0
68	15 miles northeast	do.	V. Brown	--	1900	25	--	6.0
69	16 miles northeast	do.	Jess Hamilton	Jess Hamilton	1929	73	6	5.3
70	14½ miles northeast	J. Hamilton	L. H. Holcomb	L. H. Holcomb	1925	16	--	2.3
71	15 miles northeast	do.	W. P. A. test well	G. H. Cromack	1936	14	3	0
72	14 miles northeast	do.	J. J. Betty	--	--	Spring	--	--
73	15 miles northeast	do.	F. E. Burton	--	1885	31	--	3.6
74	16 miles northeast	do.	R. E. Barren	R. E. Barren	1916	31	--	7.0
75	15½ miles northeast	do.	W. P. A. test well	G. H. Cromack	1936	17	3	0

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

^{b/} T, turbine; A, air-lift; C, cylinder; B, bucket; E, electric; G, gasoline engine; W, windmill; H, hand; number indicates horsepower.

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point	Date of measur- ment			
51	(feet) 10.8	Mar. 27, 1936	B,H	D,S	Dug well with rock curbing. Bailed dry in 1 hour but never fails.
52	36.6	Mar. 26, 1936	B,H	D,S	Dug well with brick curbing. Does not fail.
53	21.6	do.	B,E	D,S	Dug well with no casing. Never fails.
54	33.4	do.	B,H	D	Dug well with brick curbing. Never fails.
55	20.1	do.	B,H	D	Do.
56	6.5	Mar. 19, 1936	None	N	See log.
57	8.3	do.	B,H	S	Dug well with brick curbing. Bailed dry in 1 hour and low in summer.
58	14.3	do.	B,H	D,S	Dug well. Bailed dry in 4 hours. Never fails.
59	16	do.	None	N	See log.
60	17.2	Mar. 16, 1936	B,F	D	Dug well with no casing. Bailed dry in 2 hours but never fails.
61	18.4	Mar. 27, 1936	B,H	D	Dug well with brick curbing. Bailed dry in 1½ hours but never fails.
62	11.0	do.	None	N	See log.
63	6.5	do.	B,H	D,S	Dug well with no casing. Bailed dry in 2 hours.
64	22.4	do.	B,H	D,S	Dug well. Bails dry in ½ hour but never fails.
65	25.2	do.	B,H	D,S	Dug well. Weak supply in summer.
66	14.0	Mar. 19, 1936	None	N	See log.
67	49.6	do.	B,H	D	Dug well with no casing. Never goes dry.
68	18.6	Mar. 20, 1936	B,H	D	Dug well with no casing. Never fails.
69	57.0	do.	B,F	D	Bored well with tile casing. Permanent supply.
70	11.1	Mar. 19, 1936	B,H	S	Dug well with no casing. Never fails.
71	8.5	do.	None	N	See log.
72	--	--	None	D,S	Flows 1 gallon a minute through white sand.
73	27.2	Mar. 19, 1936	B,F	D,S	Dug well. Bailed dry in 5 hours. Never fails.
74	25.6	Mar. 16, 1936	B,H	D	Dug well. Goes dry in summer.
75	12.5	do.	None	N	Cushed in and rose 18 inches within 2 minutes after striking water.

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

d/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Jacksonville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
76	15 miles northeast	J. Hamilton	W. B. Robinson	W. B. Robinson	1885	30	48	2.8
77	17 miles northeast	J. F. Procella	Allen Clayton	--	--	32	--	6.2
78	18 miles northeast	do.	S. S. Stone	--	--	23	24	3.2
79	17½ miles northeast	do.	W. P. A. test well	G. H. Cromack	1936	18	3	0
80	20 miles northeast	Santos Coy	E. B. Kelley	--	1931	38	6	2.0
81	18½ miles northeast	do.	E. H. Sailer	Fennie Sadler	1928	14	36	3.3
82	19 miles northeast	do.	J. C. Henry	--	--	Spring	--	--
83	18½ miles northeast	Wesley Dykes	Sclae and Overton farm	--	--	29	30	5.4
84	17 miles northeast	do.	Horace Pope	Horace Pope	1929	26	12	2.4
85	17½ miles northeast	do.	J. M. Buckelew	J. M. Buckelew	1916	53	36	5.5
86	17 miles northeast	do.	J. D. Furton	--	--	Spring	--	--
87	17½ miles northeast	do.	W. P. A. test well	G. H. Cromack	1936	31	3	0
88	17 miles northeast	do.	J. D. Burton	W. T. Burton	1935	18	36	2.3
89	16 miles east	D. Parker	W. P. A. test well	G. H. Cromack	1936	24	5	0
90	17 miles east	F. J. Vallanova	M. Kangerga	--	1929	11	--	2.4
91	15½ miles east	do.	Mrs. M. D. Stewart	--	1933	73	24	4.2
92	14 miles east	do.	J. N. Edwards	--	1908	23	--	3.0
93	16 miles east	Henry Myres	Geo. C. Drile	Geo. C. Drile	1924	26	24	2.7
94	14½ miles east	W. Berryhill	W. P. A. test well	G. H. Cromack	1936	12	3	0
95	14 miles east	do.	J. K. Summers	--	--	Spring	--	--
96	13 miles east	S. Burress	J. D. Thompson	--	1950	39	--	3.5
97	14½ miles east	W. Berryhill	W. P. A. test well	G. H. Cromack	1936	21	5	0
98	15½ miles east	E. E. Hamilton	J. L. Lewis	--	--	Spring	--	--
99	do.	Wm. Walters	J. C. Monmoth	--	1895	40	--	2.3
100	13½ miles east	F. S. Hancher	Mrs. P. Jones	--	1900	34	--	5.3

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

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measur- ment			
76	19.9	Mar. 19, 1936	B,H	D,S	Dug well with brick curb. Never goes dry.
77	20.0	do.	B,H	D,S	Dug well with no curbing. Weak supply in summer.
78	14.6	Mar. 16, 1936	B,H	D,S	Dug well with concrete casing. Bailed dry in 1 hour and nearly fails in summer.
79	14.0	do.	None	N	See log.
80	29.7	do.	B,H	D	Bored well with tile casing. Strong supply.
81	11.6	do.	B,H	D,S	Dug well with wood curbing. Never fails.
82	--	--	None	D,S	Flows 1 gallon a minute from sand.
83	25.0	Mar. 16, 1936	B,H	D,S	Dug well. Strong supply.
84	14.5	do.	B,H	D,S	Bored well with tile casing. Never failing supply.
85	50.0	Mar. 18, 1936	B,H	D,S	Dug well. Bails dry in 4 hours. Never fails.
86	--	--	None	S	Flows $\frac{2}{3}$ gallon a minute.
87	--	--	--	--	No water. See log.
88	11.0	Mar. 17, 1936	B,H	D,S	Dug well with brick curbing. Can bail dry in 1 hour but never fails.
89	21.0	Mar. 20, 1936	None	N	See log.
90	8.5	do.	B,H	D,S	Dug well with no casing. No drawdown after several hours steady bailing.
91	72.5	do.	B,H	D	Dug well. Weak supply; bails dry in $\frac{1}{2}$ hour.
92	17.1	Mar. 30, 1936	B,H	D,S	Dug well. Bails dry in 8 hours. Never fails.
93	15.1	Mar. 23, 1936	B,H	D,S	Dug well. Never fails.
94	7.5	Mar. 20, 1936	None	N	See log.
95	--	--	--	D,S	Flows $2\frac{1}{2}$ gallons a minute from sand.
96	26.2	Mar. 24, 1936	B,H	D,S	Dug well with no casing. Bails dry in 2 hours but never fails.
97	17.0	Mar. 23, 1936	None	N	See log.
98	--	--	None	D,S	Flows 2 gallons a minute from sand. Goes dry in fall.
99	37.2	Mar. 23, 1936	B,H	D,S	Dug well. Bailed dry in 2 hours but never fails.
100	19.6	Apr. 4, 1936	B,H	D	Dug well with no casing. Can be bailed dry in 1 hour but never fails.

c/ I, irrigation; Ind, industrial; P, public; D, domestic; S, stock; N, not used.
 i/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Jacksonville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
101	14 miles east	F. S. Manchaca	Trull, Stewart	--	1932	45	24	3.0
1/102	12 $\frac{1}{2}$ miles east	G. A. Gordon	W. P. A. test well	G. H. Cromack	1936	8	3	--
103	12 miles east	do.	Elva Greenwood	--	--	29	--	1.3
104	10 $\frac{1}{2}$ miles east	M. Kennedy	W. P. A. test well	G. H. Cromack	1936	17	3	0
105	11 $\frac{1}{2}$ miles east	Robert Stewart	C. G. Ellis	--	1875	38	30	5.4
106	12 $\frac{1}{2}$ miles east	do.	W. P. A. test well	G. H. Cromack	1936	30	3	0
107	13 miles east	do.	J. A. Tompleton	--	--	Spring	--	--
108	11 miles east	do.	Ed Corbin	Ed Corbin	1917	33	30	5.4
109	11 $\frac{1}{2}$ miles east	J. Kondricks	W. P. A. test well	G. H. Cromack	1936	14	3	0
110	12 $\frac{1}{2}$ miles northeast	do.	W. R. Murphy	--	--	27	--	3.6
111	13 $\frac{1}{2}$ miles northeast	do.	W. P. A. test well	G. H. Cromack	1936	13	3	0
112	13 miles northeast	do.	E. T. Crawford	--	1931	12	36	5.2
113	12 miles northeast	do.	W. P. A. test well	G. H. Cromack	1936	15	3	0
114	11 $\frac{1}{2}$ miles northeast	Issac Reed	D. N. Shaw	--	--	24	30	2.9
115	11 miles northeast	do.	W. P. A. test well	G. H. Cromack	1936	14	3	0
116	11 $\frac{1}{2}$ miles northeast	do.	T. Tennison	--	1918	12	36	2.8
117	10 miles northeast	do.	W. P. A. test well	G. H. Cromack	1936	15	3	0
118	do.	do.	do.	do.	1936	17	3	0
119	9 $\frac{1}{2}$ miles northeast	do.	J. H. Johnson	J. H. Johnson	1900	43	30	3.0
120	9 miles northeast	do.	W. P. A. test well	G. H. Cromack	1936	29	3	0
121	8 $\frac{1}{2}$ miles northeast	Wm. Gates	Tom Chandler	Tom Chandler	1924	16	36	3.0
122	do.	do.	do.	--	--	Spring	--	--
123	8 $\frac{1}{2}$ miles east	do.	W. P. A. test well	G. H. Cromack	1936	19	3	0
124	9 miles east	do.	J. A. Dolson	J. A. Dolson	1935	40	42	4.2
125	10 miles east	do.	L. W. Davis	L. W. Davis	1922	36	36	2.9

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

^{b/} T, turbine; L, air-lift; C, cylinder; I, bucket; E, electric; G, gasoline engine; W, windmill; H, hand; number indicates horsepower.

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/ c/	Use of water c/ e/	Remarks
	Depth below measur- ing point (feet)	Date of measur- ment			
101	43.2	Mar. 23, 1936	B,H	D	Dug well with tile casing. Permanent supply.
102	--	--	None	--	No water. See log.
103	21.0	Mar. 23, 1936	B,H	D,S	Dug well with no casing. Water was formerly used for irrigation.
104	14.0	do.	None	N	See log.
105	30.8	do.	B,H	D	Dug well with brick casing. Lever fails.
106	8.0	Mar. 20, 1936	None	N	See log.
107	--	--	None	D	Flows $\frac{1}{2}$ gallon a minute from base of sand stratum. Never fails.
108	9.4	Mar. 30, 1936	B,H	D	Dug well. Never failed.
109	1.5	do.	None	N	See log.
110	19.0	do.	B,H	D,S	Dug well with brick curbing. Permanent supply.
111	4.5	Mar. 20, 1936	None	N	See log.
112	9.6	Mar. 27, 1936	B,H	D,S	Dug well with brick curbing. Will bail dry in $1\frac{1}{2}$ hours but never fails.
113	7.5	Mar. 30, 1936	None	K	See log.
114	16.3	Mar. 27, 1936	B,H	D,S	Dug well with brick curbing. Will bail dry in 2 hours.
115	6.3	do.	None	N	See log.
116	9.4	Mar. 30, 1936	B,H	D	Dug well with brick curb. Permanent supply but will bail dry in 2 hours.
117	2.5	do.	None	N	See log.
118	9.0	do.	None	N	Do.
119	29.8	Mar. 27, 1936	B,H	D,S	Dug well with brick casing. Never fails.
120	23.0	do.	None	N	See log.
121	8.4	Mar. 30, 1936	B,H	D,S	Dug well with brick casing. Permanent supply.
122	--	--	None	S	Flows 1 gallon a minute from blue clay and iron ore gravel.
123	17.0	Mar. 23, 1936	None	N	See log.
124	36.9	do.	B,H	D,S	Dug well with concrete casing.
125	25.0	Mar. 31, 1936	B,H	D	Dug well with plank casing. Bailed dry in 1 hour.

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

b/ No water sample collected for analysis.

Records of wells in Cherokee County

No.	Distance from Jacksonville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
126	8 miles east	Wm. Gates	W. D. Tipton	--	1910	23	--	2.4
127	10 miles east	C. Parks	W. P. A. test well	G. H. Cromack	1936	41	3	0
128	7½ miles east	J. J. Ware	Byron Tilley	--	--	Spring	--	--
129	6 miles east	do.	Mrs. Daniels	--	1930	29	--	3.1
130	7 miles northeast	do.	Bob Deshel	--	--	31	24	3.4
131	8 miles northeast	T. V. Rusk	A. J. Searcy	A. J. Searcy	1914	38	--	2.8
132	7 miles northeast	do.	E. L. Penland	--	1934	17	36	3.0
133	6 miles northeast	C. Burnett	L. M. Polton	--	1930	46	--	3.6
134	5½ miles northeast	do.	W. P. A. test well	G. H. Cromack	1936	21	3	0
135	do.	do.	W. N. Alexander	W. N. Alexander	1933	18	48	1.0
136	4 miles northeast	Joe Pineda	J. T. Koch	--	1930	50	30	3.2
137	5 miles northeast	do.	W. P. A. test well	G. H. Cromack	1936	31	3	0
138	5 miles east	do.	S. E. Priestly	S. E. Priestly	1933	46	--	3.2
139	5½ miles east	do.	A. J. Henderson	--	--	Spring	--	--
140	4½ miles east	do.	W. P. A. test well	G. H. Cromack	1936	26	3	0
141	4 miles east	do.	do.	do.	1936	33	3	0
142	3½ miles east	do.	W. F. Turney	W. F. Turney	1931	77	--	2.9
143	do.	do.	W. P. A. test well	G. H. Cromack	1936	30	3	0
144	do.	do.	do.	do.	1936	14	3	0
145	3½ miles east	do.	do.	do.	1936	21	3	0
146	4 miles east	do.	do.	do.	1936	30	3	0
147	3½ miles east	do.	do.	do.	1936	21	3	0
148	3¼ miles northeast	do.	P. R. Wallace	P. R. Wallace	1885	19	--	3.2
149	2½ miles east	do.	W. P. A. test well	G. H. Cromack	1936	19	3	0
150	2¼ miles east	do.	Dan Melvin	--	--	Spring	--	--

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

b/ T, turbine; A, air-lift; C, cylinder; B, bucket; L, electric; G, gasoline engine;

W, windmill; H, hand; number indicates horsepower.

G. H. Cromack, Project Superintendent

 3/15/36
 3/15/36
 3/15/36

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measure- ment			
126	19.8	Apr. 13, 1936	B,F	D	Dug well with no casing. Bailed dry in 2 hours but never fails.
127	38.5	Mar. 31, 1936	None	N	See log.
128	--	--	None	D,S	Flows 6 gallons a minute from sand. Slight taste of iron reported.
129	23.0	Apr. 3, 1936	B,F	D,S	Dug well with concrete casing. Can be bailed dry in 4 hours.
130	28.7	Mar. 30, 1936	B,H	D,S	Can bail dry in 1 hour. Dug well with brick casing.
131	26.6	Mar. 27, 1936	B,F	D,S	Dug well with concrete casing. Never goes dry.
132	10.2	Mar. 25, 1936	B,F	D,S	Dug well. Bailed dry in 1½ hours but never failed.
133	37.3	Mar. 30, 1936	B,H	D,S	Dug well with no casing. Bailed dry in 5 hours but never failed.
134	11.0	Mar. 25, 1936	None	N	Water in sand. See log.
135	13.3	do.	B,F	N	Dug well with concrete curb. Reported unfit for washing or drinking use. Never failed.
136	46.9	do.	B,F	D	Dug well with tile casing. Weak supply in summer.
137	24.0	June 30, 1936	None	N	See log.
138	42.8	Mar. 17, 1936	B,F	D,S	Dug well with no casing. Bailed dry in 1 hour but has never failed.
139	--	--	None	D	Flows 1 gallon a minute from sand. Permanent supply.
140	20.0	Apr. 4, 1936	None	N	See log.
141	29.5	June 30, 1936	None	N	Do.
142	75.6	Mar. 17, 1936	B,H	D,S	Dug well with no casing. Bailed dry in 5 hours but never fails.
143	26.0	Apr. 13, 1936	None	N	See log.
144	6.0	Apr. 20, 1936	None	N	Do.
145	18.0	Apr. 13, 1936	None	N	Do.
146	26.0	Apr. 20, 1936	None	N	Do.
147	20.0	do.	None	N	Water from very fine sand. See log.
148	12.0	Apr. 17, 1936	B,H	D	Dug well with concrete curb but no casing. Bailed dry in 2½ hours but never fails.
149	14.0	Mar. 17, 1936	None	N	See log.
150	--	--	None	D	Flows 1 gallon a minute from sand. Permanent supply.

c/ I, irrigation; Ind, industrial; P, public; D, domestic; S, stock; N, not used.
 d/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Jacksonville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
151	1½ miles east	Joe Pineda	S. J. Latimer	--	1930	20	42	4.6
152	1½ miles northeast	Thomas Quevado	Churchill Est.	--	--	--	--	--
153	5 miles northeast	Joe Pineda	W. C. Bell	W. C. Dall	1933	24	--	3.1
154	3½ miles northeast	Thomas Quevado	Mrs. Wilcox	--	1935	11	--	3.1
155	4½ miles north	do.	State Park	--	--	Spring	--	--
156	4½ miles north	do.	Barbier & Garrett	Layne-Texas Co.	1935	338	16	0.5
157	3½ miles north	do.	R. J. Harper	--	1910	31	--	0.2
158	2¾ miles north	do.	G. N. Smith	G. N. Smith	1912	17	42	3.1
159	do.	do.	Henry Grimes	George Grimes	1876	33	--	3.7
160	½ mile north	do.	Mrs. S. A. South	--	1936	16	36	3.7
d/160a	½ mile northeast	do.	J'ville Develop. Co.	Layne-Texas Co.	1914	--	8	--
d/161	do.	do.	Ind. School Dist.	Taylor Roberts	--	372	6	--
d/161a	In Jacksonville	do.	T. & N. O. R. R. Co.	Layne-Bowler Co.	--	423	--	--
162	1 mile southwest	do.	W. P. A. test well	G. H. Cromack	1936	16	3	0
163	In Jacksonville	do.	do.	do.	1936	20	3	0
164	2 miles west	Jose Pineda	do.	do.	1936	13	3	0
165	2½ miles west	do.	Arnwine heirs	--	1913	21	--	3.0
166	2¾ miles west	do.	W. P. A. test well	G. H. Cromack	1936	28	3	0
167	1½ miles west	do.	C. W. Bennett	--	--	24	42	1.7
168	2 miles west	do.	W. P. A. test well	G. H. Cromack	1936	13	3	0
169	1½ miles northwest	do.	H. B. Merritt	--	1885	27	--	2.9
170	2½ miles northwest	do.	Tal Smith	--	--	Spring	--	--
171	do.	do.	W. P. A. test well	G. H. Cromack	1936	22	3	0
172	do.	do.	Thomas Harris	Thomas Harris	1927	23	--	2.6
173	3¾ miles west	do.	E. M. McAnally	--	--	Spring	--	--

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

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

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
151	14.4	Apr. 7, 1936	B,H	D,S	Dug well with cement curb and cement covered brick casing from top to bottom. Never fails but can be bailed dry in 3 hours.
152	--	--	B,H	D	Dug well with brick curb and no casing. Never fails. Slight taste of iron reported.
153	19.2	Mar. 27, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 1 hour.
154	7.9	Mar. 25, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails and can not be bailed dry.
155	--	--	None	N	Flows 10 gallons a minute from fissures in rock. Never fails.
156	243.5	Mar. 17, 1936	T,E	P	Reported production 95 gallons a minute from hard gray sand with 133 feet drawdown. Temperature 70°F.
157	25.4	Mar. 2, 1936	C,G,1 $\frac{1}{2}$	D	Dug well with cement curb and no casing. Never fails but can be pumped dry in 1 hour.
158	11.6	do.	B,H	D	Dug well with wood curb; 5 feet of brick casing at top. Never fails but can be bailed dry in 3 hours.
159	25.0	do.	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 1 $\frac{1}{2}$ to 3 hours.
160	15.4	do.	B,H	D	Dug well with wood curb and no casing. No failure to date but can be bailed dry in $\frac{1}{2}$ hour.
160a	--	--	None	N	Drilled well. Could not supply enough water for City. Abandoned. See log.
161	--	--	None	N	Do.
161a	--	--	None	N	See log. Drilled well. Water was good for boilers. Not used because City could supply water cheaper.
162	12.0	Apr. 10, 1936	None	N	See log.
163	17.0	June 16, 1936	None	N	See log. Located at 619 E. Patton Street.
164	10.5	Apr. 10, 1936	None	N	See log.
165	17.6	June 10, 1936	B,H	D,S	Dug well with wood curb; no casing. Failed in 1929; deepened 3 feet. No failure reported since.
166	19.0	do.	None	N	See log.
167	15.4	Apr. 14, 1936	None	N	Dug well with wood curb and 8 feet of brick casing at top. Not used.
168	3.0	Apr. 13, 1936	None	N	See log.
169	17.9	Mar. 12, 1936	B,H	D,S	Dug well with brick curb but no casing. Can be bailed dry in 3 hours but never fails.
170	--	--	None	D,S	Flows 8 gallons a minute from white sand. Dependable supply.
171	18.0	Mar. 11, 1936	None	N	See log.
172	21.3	Apr. 13, 1936	B,H	D,S	Dug well with wood curb and no casing. Supply never fails. Bails dry in 1 hour.
173	--	--	None	D,S	Aggregate flow of 2 openings is 7 gallons a minute from white sand.

c/ I, irrigation; Ind, industrial; P, public; D, domestic; S, stock; N, not used.
d/ N- water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Jackson-ville	Survey	Owner	Driller	Date com- p- l- c- e- d	Depth of well (ft.)	Diam- eter of well (in.)	Height of measuring point a- bove gro- und(ft.)a/
174	4 $\frac{1}{2}$ miles west	Jose Pineda	W. P. A. test well	G. H. Cromack	1936	17	3	0
175	4 $\frac{1}{2}$ miles west	do.	J. H. Walker	--	1911	37	--	4.0
176	5 $\frac{1}{2}$ miles west	do.	J. W. Ware	--	1926	28	36	3.0
177	do.	do.	W. P. A. test well	G. H. Cromack	1936	18	3	0
178	6 miles west	do.	J. O. Beardon	--	1900	48	--	3.4
179	4 $\frac{1}{2}$ miles west	do.	Ruth Ragsdale	--	1885	17	--	3.4
180	5 miles west	do.	W. P. A. test well	G. H. Cromack	1936	23	3	0
181	7 miles northwest	do.	Mrs. John Lewis	--	1934	38	36	3.7
182	4 $\frac{1}{2}$ miles northwest	do.	J. Isaacs	J. Isaacs	1914	23	--	2.5
183	6 miles northwest	James Burrell	Levi Sherman	Levi Sherman	1910	24	--	3.8
184	7 miles northwest	B. C. Lewis	W. P. A. test well	G. H. Cromack	1936	12	3	0
185	7 $\frac{1}{2}$ miles northwest	do.	J. L. Powden	--	--	Spring	--	--
186	9 miles northwest	do.	Joanna Thomas	J. D. Thomas	1931	28	36	2.8
187	7 miles northwest	G. Causey	W. D. Baker	--	--	Spring	--	--
188	8 $\frac{1}{2}$ miles northwest	James Bell	G. L. Newton	--	1885	32	--	2.5
189	7 miles northwest	Geo. Fossett	D. A. Simpson	--	--	38	30	2.7
190	6 miles west	J. K. Fitzgerald	A. and C. L. Simpson	--	--	Spring	--	--
191	6 $\frac{1}{2}$ miles west	do.	W. P. A. test well	G. H. Cromack	1936	19	3	0
192	8 miles west	G. W. Loftis	J. E. McGuire	J. E. McGuire	1935	29	36	4.2
193	7 $\frac{1}{2}$ miles west	B. H. Loftis	H. L. Toliver	--	--	Spring	--	--
194	9 miles west	I. East	G. C. Ruhman	--	--	15	30	2.0
195	10 miles west	W. Lloyd	W. P. A. test well	G. H. Cromack	1936	9	3	0
196	9 $\frac{1}{2}$ miles west	M. Windsor	G. H. Elliott	--	1860	34	36	2.8
197	do.	do.	Humble Oil Co.	--	1929	178	--	--
198	8 miles west	J. J. Vickery	T. J. Hardaway	T. J. Hardaway	1916	49	36	2.9

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

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

G. H. Cramack, Project Superintendent

No.	Water Level		Pump and power b/ c/	Use of water c/ d/	Remarks
	Depth below measur- ing point (feet)	Date of measure- ment			
174	13.0	Apr. 14, 1936	None	N	See log.
175	21.9	do.	B,H	D,S	Dug well with shed over wood curb but no casing. Bails dry in 3 hours but never fails.
176	21.6	do.	B,H	D	Dug well with wood curb but no casing. Strong supply reported.
177	12.0	Mar. 12, 1936	None	N	See log.
178	45.7	do.	B,H	D,S	Dug well with wood curb but no casing. Walls are caving. Never fails.
179	13.4	do.	B,H	D,S	Dug well with wood curb but no casing. Has not failed.
180	19.7	Mar. 11, 1936	None	N	See log.
181	34.6	do.	B,H	D	Dug well with wood curb; 16 foot cement casing at bottom. Too low for use in summer.
182	16.6	Mar. 12, 1936	B,H	D,S	Dug well with wood curb but no casing. Gets too low for use in summer. Can be bailed dry in 3 hours.
183	17.5	Mar. 10, 1936	B,H	D,S	Dug well with wood curb but no casing. Permanent supply. Drawdown 3 feet after bailing for 5 hours.
184	8.0	do.	None	N	See log.
185	--	--	None	S	Flows 5 gallons a minute from grayish-white sand. Never fails.
186	26.2	Mar. 11, 1936	B,H	D,S	Dug well with wood curb but no casing. Drawdown 12 $\frac{1}{2}$ feet after bailing for 3 hours. Never fails.
187	--	--	None	P	Flows 3 gallons a minute from white sand through 12 inch casing collar. Strong mineral taste.
188	22.3	Mar. 11, 1936	B,H	D,S	Dug well with wood curb with no casing. Strong supply reported. Never fails.
189	36.3	do.	B,H	D,S	Dug well with wood curb. 8 foot tile casing at bottom. Bails dry after $\frac{1}{2}$ hour. Supply permanent.
190	--	--	None	D,S	Flows 10 gallons a minute from white sand into large cement basin. Never fails.
191	16.5	Mar. 12, 1936	None	N	See log.
192	22.0	do.	B,H	D	Dug well with cement curb. Cement casing top to bottom. Bails dry after 1 hour. No failure to date.
193	--	--	None	D,S	Flows 1 gallon a minute over 5 $\frac{1}{2}$ foot bed of lignite. Never fails.
194	10.8	Mar. 11, 1936	B,H	D	Dug well with brick curb; brick casing, top to bottom. Bails dry in 1 hour. Too low for use in summer.
195	6.0	Apr. 13, 1936	None	N	See log.
196	27.6	Mar. 12, 1936	B,H	D,S	Dug well with brick curb and brick casing from top to bottom. Never fails. Bails dry in 2 $\frac{1}{2}$ hours.
197	--	--	None	D,Ind	Flows 6 gallons a minute. Never fails.
198	46.6	Apr. 14, 1936	B,H	D,S	Dug well with wood curb. Never fails. Can not draw dry. 35 feet of wood casing at bottom.

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

d/ W water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Jacksonville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in)	Height of measuring point above ground (ft.) ^{a/}
199	9 miles west	J. H. Shaw	M. C. Brisby	--	--	19	36	3.5
200	8 miles west	C. H. Smith	Mrs. M. F. Ewing	--	--	41	--	2.8
201	8 miles southwest	C. B. Hoffman	W. P. A. test well	G. H. Cromack	1936	26	3	0
202	6½ miles southwest	N. J. Stonecipher	do.	do.	1936	17	3	0
203	5½ miles southwest	A. Scott	A. Zinc	--	--	48	--	3.3
204	6 miles southwest	W. McClain	R. L. Trentham	--	--	Spring	--	--
205	6½ miles west	N. J. Stonecipher	R. C. Looney	--	1920	38	36	3.9
d/ 205a	6 miles west	Wm. F. Williams	-- Thompson	Humphreys Corp.	1927	554	--	--
206	7 miles west	Henry Chapel	J. A. Christion	J. A. Christion	1936	32	36	2.8
207	5½ miles west	I. Reynolds	W. P. A. test well	G. H. Cromack	1936	20	3	0
208	do.	do.	J. H. Reynolds	J. H. Reynolds	1916	67	36	4.8
209	5 miles west	do.	John Christopher	--	--	42	--	3.5
210	4¼ miles west	do.	W. P. A. test well	G. H. Cromack	1936	23	3	0
211	3½ miles west	--	Texas Highway Dept.	--	--	Spring	--	--
212	do.	--	Earle Estate	--	--	26	36	2.8
213	4¼ miles west	S. Wilson	W. P. A. test well	G. H. Cromack	1936	23	3	0
214	4½ miles southwest	E. McNeen	R. C. Earle	--	1873	40	--	3.0
215	5 miles southwest	Conrad Schneider	Carl Williams	--	--	27	--	3.0
216	4½ miles southwest	W. N. Brown	W. P. A. test well	G. H. Cromack	1936	15	3	0
217	3½ miles west	J. B. Devereux	J. N. Earle	--	1899	48	36	3.1
218	3 miles southwest	J. D. Wolfen	W. Y. Forest	Lenard Quinn	1926	12	36	2.2
219	do.	do.	W. P. A. test well	G. H. Cromack	1936	20	3	0
220	2¼ miles southwest	do.	E. C. Ragsdale	C. E. Grimes	1934	12	36	2.3
221	do.	do.	Mrs. A.R. Odem	--	1926	16	--	6.1
222	2¼ miles southwest	do.	W. P. A. test well	G. H. Cromack	1936	37	3	0

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

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

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
199	17.6	Apr. 14, 1936	B,H	D,S	Dug well with wood curb and 8 feet of wood casing at bottom. Never fails.
200	39.1	do.	B,H	D,S	Dug well with wood curb and no casing. Never fails.
201	24.0	Apr. 15, 1936	None	N	See log.
202	15.5	do.	None	N	Do.
203	43.3	do.	B,H	D,S	Dug well with brick curb. No casing. Never fails. Bailed dry in 2 hours.
204	--	--	None	D,S	Flows $\frac{1}{2}$ gallon a minute through clay bed. Never goes dry.
205	34.9	Apr. 14, 1936	B,H	D	Dug well with wood curb. 14 foot wood casing at bottom. Never fails. Bailed dry in 1 hour.
206	--	--	None	N	See table of drillers' logs.
206	28.7	do.	B,H	D	Water from shale and lignite. 2 feet cement casing at top.
207	15.5	do.	None	N	See log.
208	54.5	Apr. 10, 1936	B,H	D,S	Dug well with wood curb. Brick casing, top to bottom. Never fails but can be bailed dry in 3 hours.
209	36.1	Apr. 14, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 3 hours.
210	7.0	June 10, 1936	None	N	See log.
211	--	--	None	P	Aggregate flow estimated at $3\frac{3}{4}$ gallons a minute from 3 openings.
212	19.7	Apr. 10, 1936	B,H	D,S	Dug well with wood curb. 7 feet of brick casing at top. Supply never fails.
213	16.5	Apr. 16, 1936	None	N	See log.
214	21.9	do.	B,H	D	Dug well with wood curb and no casing. Never fails. No drawdown after bailing for several hours.
215	22.3	Apr. 17, 1936	B,H	D,S	Dug well with wood curb and no casing. Never goes dry. Can be bailed dry in 3 hours.
216	11.0	do.	None	N	See log.
217	43.8	do.	B,H	D,S	Dug well with wood curb and 36 feet of brick casing at bottom. Never fails and can not be bailed dry.
218	9.2	June 10, 1936	B,H	D,S	Dug well with wood curb; 3 feet of tile casing at bottom; supply never fails but can be bailed dry in $\frac{1}{2}$ hour.
219	17.0	do.	None	N	See log.
220	9.5	Apr. 10, 1936	B,H	D	Dug well with wood curb; 4 feet brick casing at bottom. Can be bailed dry in 1 hour; fails each summer.
221	12.3	Apr. 17, 1936	B,H	D	Dug well with wood curb and no casing. Does not fail but bailed dry in $\frac{1}{2}$ hour.
222	23.0	do.	None	N	See log.

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

1/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Jacksonville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
1/223	2 miles southwest	James Ford	Dr. R. T. Travis	--	1935	20	--	5.2
224	2 miles south	do.	W. P. A. test well	G. H. Cromack	1936	21	3	0
225	2½ miles south	do.	Guy K. Felps	Guy K. Felps	1906	36	--	3.1
1/226	3 miles south	do.	W. P. A. test well	G. H. Cromack	1936	10	3	0
227	2½ miles south	do.	Byrd Bros.	--	--	34	--	2.9
228	3½ miles south	do.	J. Rossmeyer	--	--	Spring	--	--
229	3 miles south	do.	W. P. A. test well	G. H. Cromack	1936	34	3	0
230	do.	do.	L. F. Kirkpatrick	--	1919	21	30	2.8
231	3½ miles south	do.	W. P. A. test well	G. H. Cromack	1936	16	3	0
232	4 miles south	do.	J. F. Buchanan	--	--	36	--	5.6
233	do.	T. D. Brockman	-- Bollinger	--	--	26	30	3.5
234	3¼ miles south	M. Garcia	C. S. Ousley	--	--	22	36	2.9
235	2½ miles southeast	Joe Pineda	W. P. A. test well	G. H. Cromack	1936	12	3	0
236	1½ miles southeast	do.	Lillian Morse	--	--	31	36	4.9
237	3½ miles southeast	do.	W. P. A. test well	G. H. Cromack	1936	19	3	0
238	3 miles southeast	do.	Mrs. J. H. Martin	--	--	24	--	1.5
239	4½ miles southeast	W. A. Kilpatrick	W. S. Ault	--	1921	33	--	2.8
240	4 miles southeast	I. N. Joiner	W. P. A. test well	G. H. Cromack	1936	30	3	0
241	5 miles southeast	G. R. Mercer	Mrs. J. N. Thompson	--	--	Spring	--	--
242	do.	do.	Mrs. L. J. Thompson	L. J. Thompson	1930	56	--	2.8
243	5½ miles southeast	B. F. Whittaker	J. A. Trotter	J. A. Trotter	--	27	--	3.0
244	6 miles southeast	J. R. Blanton	T. L. Cole	T. L. Cole	1935	32	--	2.3
245	5½ miles southeast	H. B. Stephens	Turney School Dist.	--	--	36	--	1.5
246	do.	W. F. Williams	W. P. A. test well	G. H. Cromack	1936	17	3	0
247	5 miles southeast	Joe Pineda	J. L. Caveness	--	--	Spring	--	--

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

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
223	14.3	Apr. 7, 1936	B,F	D,S	Dug well with wood curb and no casing. Supply does not fail.
224	13.0	do.	None	N	See log.
225	21.9	do.	B,H	D,S	Dug well with wood curb and no casing. Bails dry in 4 hours and gets low some years.
226	--	--	--	--	No water. See log.
227	17.1	Apr. 17, 1936	B,H	D	Dug well with wood curb and no casing. Can be bailed dry in 1½ to 2 hours. Goes dry in summer.
228	--	--	None	S	Aggregate flow estimated at 2 gallons a minute from 2 openings from gravel.
229	29.5	Apr. 17, 1936	None	N	See log.
230	17.1	Apr. 10, 1936	B,H	D,S	Dug well with wood curb and 6 feet of tile casing at bottom. Supply never fails.
231	14.0	do.	None	N	See log.
232	30.8	Apr. 17, 1936	B,H	D,S	Dug well with cement curb and no casing. Never fails but can be bailed dry in 2 hours.
233	19.6	Mar. 7, 1936	B,H	D	Dug well with tile curb and tile casing from top to bottom. Never goes dry.
234	16.9	do.	B,H	D	Dug well with brick curb and brick casing from top to bottom. Never fails but can be bailed dry in 3 hours.
235	5.5	Mar. 17, 1936	None	N	See log.
236	23.4	Mar. 7, 1936	B,H	D	Dug well with cement curb and brick casing from top to bottom. Permanent supply.
237	7.0	Apr. 6, 1936	None	N	See log.
238	16.5	Apr. 7, 1936	B,H	D,S	Dug well with wood curb and no casing. Never goes dry.
239	19.5	do.	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 6 hours.
240	26.0	do.	None	N	See log.
241	--	--	None	D	Flows 5 gallons a minute from white sand.
242	50.9	Apr. 7, 1936	B,H	D,S	Dug well with cement curb; concrete casing, top to bottom. Never fails but can be bailed dry in 5 hours.
243	22.3	Apr. 6, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails.
244	22.5	do.	B,E	D,S	Dug well with wood curb and no casing. Has never gone dry.
245	7.8	do.	H	P	Dug well with cement curb and no casing. Supply never fails.
246	9.5	Apr. 6, 1936	None	N	See log.
247	--	--	None	S	Flow estimated at 2½ gallons a minute from sand and gravel. Never fails.

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

1/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Jacksonville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
248	4½ miles east	Joe Fineda	C. L. Arnwine	--	1925	38	--	0.5
249	5½ miles east	do.	W. A. Partlow	--	1905	38	36	3.0
250	do.	do.	S. W. Leggett	--	--	29	--	3.0
251	6½ miles east	A. C. Walters	K. C. Meadors	C. D. Meadors	1916	35	24	3.0
252	7 miles southeast	K. Tumlinson	W. M. Hilton	W. M. Hilton	1919	20	--	2.7
253	6½ miles southeast	do.	W. P. A. test well	G. H. Cromack	1936	11	3	0
254	8 miles southeast	J. C. Dickson	do.	do.	1936	21	3	0
255	7 miles southeast	A. C. Walters	do.	do.	1936	10	3	0
256	do.	do.	J. T. Goodson	Joe Hinton	1935	45	--	3.0
257	8 miles east	L. Widgeon	Leb Fry	--	--	Spring	--	--
258	do.	Josiah Culp	W. H. Chandler	W. H. Chandler	1918	50	36	2.4
259	10 miles east	J. R. Taylor	A. A. Monmouth	--	1916	31	36	2.5
260	8½ miles east	L. Wilson	J. H. Jones	--	1906	21	36	2.7
261	9½ miles southeast	J. R. Taylor	W. P. A. test well	G. H. Cromack	1936	17	3	0
262	11½ miles southeast	V. Thompson	Wes. McCrimon	Gent. Massey	1930	49	24	2.4
263	10½ miles southeast	John H. Russell	J. L. Bailey	--	1933	55	--	4.5
264	10 miles southeast	do.	W. P. A. test well	G. H. Cromack	1936	16	3	0
265	10 miles east	John Sterling	J. T. Brown	J. T. Brown	1910	39	--	2.8
266	11½ miles southeast	John H. Russell	Arnold McCall	Arnold McCall	1926	31	--	2.4
267	12 miles southeast	do.	C. E. Brazier	C. E. Brazier	1930	38	24	2.1
2/268	12½ miles east	Neil O'Neal	W. P. A. test well	G. H. Cromack	1936	54	3	0
269	13½ miles east	Jose M. Montez	J. L. Lyle	J. L. Lyle	1904	37	--	3.2
270	12½ miles east	do.	Joe L. Bailey	--	--	46	--	3.1
271	13½ miles east	do.	Rena Horndon	--	1890	28	--	3.5
272	12½ miles east	J. C. Morrison	A. E. Perkin	--	--	Spring	--	--

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

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

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measure- ment			
248	32.7	Apr. 6, 1936	C,E, $\frac{1}{2}$	D,S	Dug well with cement curb and 18 $\frac{1}{2}$ feet of brick casing at bottom. Supplies dairy. Never fails but can be pumped dry pumping 6 $\frac{1}{2}$ gallons a minute for 15 minutes.
249	36.2	Mar. 17, 1936	B,H	D,S	Dug well with wood curb and 19 feet of wood casing at bottom. Weak supply in summer.
250	15.2	Apr. 6, 1936	B,H	D,S	Dug well with wood curb and no casing. Strong supply.
251	25.2	Apr. 7, 1936	B,H	D,S	Dug well with wood curb; brick casing, top to bottom. Never fails but can be bailed dry in 1 hour.
252	12.9	Apr. 6, 1936	B,H	D,S	Dug well with wood curb; no casing. Supply has failed 3 times in 17 years but reclaimed by deepening. Can be bailed dry in 2 hours.
253	3.5	Apr. 7, 1936	None	N	See log.
254	18.0	Apr. 3, 1936	None	N	Do.
255	3.5	do.	None	N	Do.
256	43.8	do.	B,H	D,S	Dug well with wood curb and no casing. No failure to date.
257	--	--	None	D,S	Aggregate flow of 3 openings is 2 $\frac{1}{2}$ gallons a minute from sandrock. Supply dependable.
258	46.0	Apr. 3, 1936	B,H	D,S	Dug well with wood curb; wood casing, top to bottom. Never fails but can be bailed dry in 5 hours.
259	25.9	Apr. 1, 1936	B,H	D,S	Dug well with wood curb and 19 feet of wood casing at bottom. Never goes dry.
260	15.8	do.	B,H	D,S	Dug well with cement curb; brick casing, top to bottom. Never fails but can be bailed dry in 4 hours.
261	7.0	Apr. 3, 1936	None	N	See log.
262	45.0	Mar. 31, 1936	B,H	D,S	Dug well with wood curb; brick casing, top to bottom. Never fails but can be bailed dry in 5 hours.
263	52.9	do.	B,H	D,S	Dug well with brick curb; brick casing, top to bottom. Never fails but can be bailed dry in $\frac{1}{2}$ hour.
264	6.5	do.	None	N	See log.
265	35.6	do.	B,H	D,S	Dug well with brick curb and no casing. Gets low but never fails.
266	29.4	Apr. 2, 1936	B,H	D,S	Dug well with wood curb and 11 feet of brick casing at bottom. Never goes dry; very hard to bail dry.
267	35.4	Mar. 31, 1936	C,W	D,S	Dug well with wood curb; 11 feet brick casing at bottom. Can be pumped dry by pumping 2 gallons a minute for 2 hours but never fails.
268	--	--	None	N	See log.
269	35.2	Apr. 1, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 2 hours.
270	40.6	Apr. 3, 1936	B,H	D	Dug well with wood curb and no casing. Can be bailed dry in 2 hours. Gets too low for use in summer.
271	20.6	Apr. 2, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 3 $\frac{1}{2}$ hours.
272	--	--	None	S	Flows 12 gallons a minute. Never goes dry.

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

d/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Jacksonville	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
1/273	13 miles east	G. Chisum	W. P. A. test well	G. H. Cromack	1936	10	--	--
274	12 miles east	V. Thomason	Mrs. A. Wallace	--	1875	38	--	2.8
275	13½ miles east	F. S. Manchaca	Bailey Est.	--	--	23	--	3.1
276	15 miles east	E. Newberry	S. S. Ray	--	--	21	36 sq.	2.8
277	16 miles east	Wade Walters	C. R. Bowling	--	1917	33	30	5.6
278	14½ miles east	L. Rhodes	L. Christopher	--	1900	39	--	3.2
279	17 miles east	Geo. W. Jowell	Mrs. Stella Richey	--	--	35	--	2.5
280	15½ miles east	A. Myers	W. P. A. test well	G. H. Cromack	1936	16	3	0
281	15 miles east	A. M. Myers	B. A. Thompson	B. A. Thompson	--	27	--	3.5
282	14½ miles southeast	James McKnight	W. P. A. test well	G. H. Cromack	1936	10	3	0

No.	Distance from Rusk	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
301	10½ miles northeast	Wm. Wisener	W. H. McCrary	W. H. McCrary	1917	37	--	2.4
302	10 miles northeast	H. Brewer	W. P. A. test well	G. H. Cromack	1936	13	3	0
303	10½ miles northeast	do.	S. J. Medford	--	1885	36	--	2.5
304	8 miles northeast	S. Bottoms	Oscar Applewhite	--	--	25	36	2.8
305	7½ miles northeast	James A. Goodwin	J. L. Kennedy	--	--	32	36	2.8
306	7 miles northeast	J. G. Perryman	D. W. Baxter	--	--	Spring	--	--
307	7½ miles northeast	James Cook	Summers Est.	--	--	24	--	2.6
308	8½ miles northeast	John Wright	T. S. Phillips	--	--	26	48	2.3
309	9½ miles east	--	B. F. Looney	--	1922	22	48	4.2
310	9 miles east	--	Joe Copeland	--	1931	34	24	3.1
311	8 miles east	James Cook	B. B. Perkins	--	1931	29	--	2.8
312	9 miles east	Jose Masquez	J. Sessions	--	--	21	--	2.9

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

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point	Date of measurement			
273	(feet) --	--	None	N	See log.
274	29.4	Apr. 3, 1936	B,H	D,S	Dug well with wood curb; no casing. Can be bailed dry in 4½ hours. Has not gone dry since deepened 20 years.
275	8.5	Mar. 23, 1936	B,H	D	Dug well with wood curb and no casing. Supply never fails.
276	7.1	do.	B,H	D,S	Dug well with wood curb; 8 feet split rail casing at top. Can be bailed dry in 2 hours. Often fails.
277	27.4	Apr. 1, 1936	B,H	D,S	Dug well with wood curb; 24 feet brick casing at bottom. Never fails but can be bailed dry.
278	26.2	Apr. 2, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 8 hours.
279	31.3	do.	B,H	D	Dug well with wood curb and no casing. Never fails but can be bailed dry in 4 hours.
280	10.5	do.	None	I	See log.
281	23.3	Apr. 1, 1936	B,H	D	Dug well with wood curb and no casing. Never fails but can be bailed dry in 6 hours.
282	4.0	do.	None	I	See log.

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point	Date of measurement			
301	(feet) 31.9	Apr. 2, 1936	B,H	D	Dug well with wood curb and no casing. Never fails but can be bailed dry in 3 hours.
302	7.5	do.	None	N	See log.
303	25.7	do.	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 3 hours.
304	20.1	Apr. 22, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 4 hours.
305	27.3	do.	B,H	S	Dug well with wood curb and 8½ feet of plank casing at top. Supply never fails.
306	--	--	None	D,S	Flows ½ gallon a minute from clay in white sand.
307	11.8	Apr. 29, 1936	B,H	D,S	Dug well with wood curb and no casing. Weak supply but never fails.
308	24.2	Apr. 27, 1936	B,H	D	Dug well with wood curb and 7½ feet of casing at top. Never fails but gets low in summer.
309	20.6	do.	B,H	D,S	Dug well, galvanized iron curb; 11 feet wood casing at bottom. Never fails; can bail dry in 2 hours.
310	17.9	do.	B,H	D,S	Dug well with wood curb and tile casing from top to bottom. Gets too low for use in summer.
311	26.1	do.	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 1½ hours.
312	18.4	do.	B,H	D	Dug well with wood curb and no casing. Never fails.

c/ I, irrigation; Ind, industrial; P, public; D, domestic; S, stock; N, not used.
d/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Rusk	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
313	10 miles east	Jose Musquez	T. S. Sessions	--	--	Spring	--	--
314	do.	do.	R. S. Sessions	--	--	19	--	3.2
315	9 miles east	do.	Summers Est.	--	--	24	--	3.2
316	11 miles southeast	Thomas Stanford	Mrs. B. B. Perkins	--	--	Spring	--	--
317	10 miles southeast	Jose Musquez	Mrs. M. B. Perkins	--	--	28	36	2.8
318	9 miles southeast	do.	R. T. Sales	R. W. Sales	1875	22	36	2.9
319	do.	do.	W. F. A. test well	G. H. Cromack	1936	21	3	0
320	7½ miles southeast	Thomas Stanford	I. N. Moses	--	--	29	--	3.2
321	7½ miles east	Jose Musquez	W. P. A. test well	G. H. Cromack	1936	26	3	0
322	do.	do.	Mrs. McCord	--	1885	59	42	2.2
323	6½ miles east	do.	W. H. Shook	--	1925	20	24	2.8
1/324	7 miles east	do.	W. F. A. test well	G. H. Cromack	1936	18	3	0
√324a	8 miles east	do.	Comer Sessions	Kirby Petroleum Co.	--	4505	--	--
325	7½ miles east	do.	Walter Copeland	Walter Copeland	1905	19	36	2.0
326	6½ miles east	James Cook	T. I. Frazier	--	--	31	--	3.1
327	6 miles east	do.	Sue Frazier	--	--	Spring	--	--
328	7 miles east	do.	B. F. Looney	--	--	37	48	1.8
329	6 miles northeast	do.	Cora Banks	--	--	24	--	3.0
330	do.	A. Johnson	J. L. Kennedy	J. L. Kennedy	1896	25	30	2.2
331	5½ miles northeast	L. Medford	W. P. A. test well	G. H. Cromack	1936	21	3	0
332	7 miles northeast	J. Hirby	W. H. Mannion	W. H. Mannion	1926	32	--	2.7
333	do.	V. Thompson	Rusk Club Lake	--	--	11	36	2.3
334	do.	B. F. Powell	W. P. A. test well	G. H. Cromack	1936	30	3	0
335	5½ miles northeast	G. W. Price	Wm. Kennedy	--	1928	19	30	1.9
336	6 miles northeast	M. D. Vaughan	Leroy Kyle	--	1916	23	48	3.1
337	5 miles northeast	J. M. McKnight	W. P. A. test well	G. H. Cromack	1936	17	3	0

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

^{b/} T, turbine; A, air-lift; C, cylinder; B, bucket; E, electric; G, gasoline engine; W, windmill; H, hand; number indicates horsepower.

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/ c/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measure- ment			
313	--	--	None	D	Flow estimated at $\frac{1}{2}$ gallon a minute from sand bed in clay. Never goes dry.
314	10.0	Apr. 27 1936	B,H	S	Dug well with wood curb and no casing. Never fails. Reported unfit for drinking or washing.
315	18.8	Apr. 29, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails. Gets low in summer. Can be bailed dry in $1\frac{1}{2}$ hours.
316	--	--	None	I	Flows 18 gallons a minute through gravel bed. Taste of iron reported. Never fails.
317	26.2	Apr. 28, 1936	B,H	D,S	Dug well with wood curb and plank casing from top to bottom. Never fails but can be bailed dry in 5 hours.
318	18.8	do.	B,H	D,S	Dug well with wood curb and brick casing from top to bottom. Never fails but can be bailed dry in 2 hours.
319	18.0	do.	None	N	See log.
320	23.6	do.	B,H	D,S	Dug well with wood curb and no casing. Can not be bailed dry at any time.
321	22.0	do.	None	N	See log.
322	38.2	do.	B,H	S	Dug well with wood curb and brick casing from top to bottom. Can not be bailed dry.
323	16.6	do.	B,H	S	Dug well with cement curb; 12 feet brick casing at top. Never fails. Reported unfit for washing or drinking.
324	--	--	None	N	No water. See log.
324a	--	--	None	I	Oil test well. See log.
325	10.7	Apr. 27, 1936	B,H	D,S	Dug well with wood curb; brick casing, top to bottom. Never fails but can be bailed dry in $1\frac{1}{2}$ hours.
326	12.5	Apr. 29, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 2 hours. Mineral taste reported.
327	--	--	None	D,S	Flows 5 gallons a minute through sand bed in clay. Never goes dry.
328	34.3	Apr. 27, 1936	B,H	D	Dug well with wood curb; 30 feet wood casing at bottom. Can be bailed dry in $\frac{1}{2}$ hour and is too low for use in summer.
329	19.9	Apr. 29, 1936	B,H	D	Dug well with wood curb and no casing. Never fails.
330	14.2	Apr. 22, 1936	B,H	D,S	Dug well; brick curb; brick casing, top to bottom. Never fails but can bail dry in 3 hours. Mineral taste reported.
331	14.0	do.	None	N	See log.
332	31.0	do.	B,H	D	Dug well; brick curb; brick casing, top to bottom. Never completely fails but can bail dry in $\frac{1}{2}$ hour.
333	9.5	do.	B,H	D	Dug well; galvanized iron curb; galvanized iron casing, top to bottom. Weak supply but never fails.
334	12.0	Mar. 31, 1936	None	N	See log. Can be bailed dry in $\frac{1}{2}$ hour.
335	10.3	do.	B,H	D,S	Dug well; tile curb; tile casing, top to bottom. Completely dry in dry summers. Can bail dry in 1 hour.
336	14.6	Apr. 22, 1936	B,H	D,S	Dug well; wood curb; 6 feet brick casing at top. Never fails but can be bailed dry in 2 hours.
337	10.0	do.	None	N	See log.

c/ I, irrigation; Ind, industrial; P, public; D, domestic; S, stock; N, not used.
d/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Rusk	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
338	5 miles northeast	R. Walters	Wade Kennedy	Wade Kennedy	1929	26	50	3.2
339	4 miles northeast	J. Berryman	D. T. Baxter	D. T. Baxter	1934	13	30	2.8
340	do.	J. M. Medford	W. P. A. test well	G. H. Cromack	1936	17	3	0
341	4½ miles northeast	J. Resteridge	D. Applewhite	--	--	21	36	4.1
342	3¼ miles northeast	W. S. Keahey	C. A. Gifford	--	1932	38	48	7.5
343	4 miles northeast	T. Nutt	W. P. A. test well	G. H. Cromack	1936	11	3	0
344	5½ miles northeast	John Johnson	do.	do.	1936	16	3	0
345	4¼ miles east	G. Meredith	do.	do.	1936	18	3	0
346	4 miles southeast	W. Dikes	J. C. Kelley	--	1910	38	--	4.5
347	4½ miles southeast	do.	-- Kelley	--	--	Spring	--	--
d/348	5½ miles southeast	J. Montgomery	W. P. A. test well	G. H. Cromack	1936	17	3	--
349	6½ miles southeast	Jose Musquez	H. B. Tado	--	--	26	48	3.0
350	do.	-- Leach	W. P. A. test well	G. H. Cromack	1936	17	3	0
351	7½ miles southeast	A. Allen	J. W. Lanier	J. W. Lanier	1911	27	--	4.7
352	7 miles southeast	James Dill	H. T. Tidwell	H. T. Tidwell	1916	32	36	6.8
353	do.	Geo. W. Wood	W. H. Shook	--	--	Spring	--	--
354	7½ miles southeast	James Dill	C. E. Ramey	--	1920	50	30	6.0
355	7 miles southeast	E. D. Cook	Fred Sardon	--	1930	20	36	2.8
d/356	6½ miles southeast	E. M. Thomason	W. P. A. test well	G. H. Cromack	1936	22	3	0
357	6 miles east	W. M. Murray	F. B. Bradford	F. B. Bradford	1911	35	36	3.0
358	6 miles southeast	do.	W. P. A. test well	G. H. Cromack	1936	19	3	0
359	5 miles southeast	J. Armendaris	Ader Hill	Ader Hill	1929	25	--	2.4
360	do.	A. M. Crosland	Garfield Thompson	Garfield Thompson	1900	38	--	3.3
361	4¼ miles southeast	Geo. W. Wright	W. P. A. test well	G. H. Cromack	1936	15	3	0
362	4½ miles southeast	do.	Summers Est.	--	--	Spring	--	--
363	do.	J. T. Jones	Jessie Gray	--	--	57	--	2.9

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

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

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measure- ment			
338	17.7	Mar. 31, 1936	B,H	D,S	Dug well with wood curb and 2 feet brick casing at top. Gats too low in summer for stock use and can be bailed dry in 1 hour.
339	9.3	Apr. 29, 1936	B,H	D	Dug well; wood curb; brick casing top to bottom. Never fails but can be bailed dry in 2 hours.
340	12.0	Apr. 22, 1936	None	N	See log.
341	12.0	Apr. 29, 1936	B,H	D,S	Dug well with wood curb; 4 feet wood casing at top. Slightly sour taste reported. Supply never fails.
342	34.4	do.	B,H	D	Dug well with cement curb and cement casing from top to bottom. Never fails.
343	3.5	Apr. 27, 1936	None	N	See log.
344	6.0	do.	None	N	Do.
345	8.0	Apr. 29, 1936	None	N	Do.
346	34.7	Apr. 30, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed nearly dry in 8 hours.
347	--	--	None	D	Flows 2 gallons a minute through sand bed. Permanent supply.
348	--	--	None	N	No water. See log.
349	18.3	Apr. 30, 1936	B,H	D,S	Dug well with wood curb and 10 feet of galvanized casing at top. Never fails.
350	13.5	do.	None	N	See log.
351	25.3	do.	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 1 hours.
352	18.3	do.	B,H	D	Dug well with brick curb and brick casing from top to bottom. Never fails. Iron taste reported.
353	--	--	None	D,S	Flow estimated at $\frac{1}{2}$ gallon a minute from gravel. permanent supply.
354	43.8	May 8, 1936	B,H	D,S	Dug well with brick curb and 35 feet brick casing at bottom. Never fails but can be bailed dry in 3 hours.
355	18.9	May 7, 1936	B,H	D,S	Dug well with wood curb and 9 feet of brick casing at bottom. Never fails. Mineral taste reported.
356	20.0	May 6, 1936	None	N	See log.
357	33.7	Apr. 30, 1936	B,H	D,S	Dug well; wood curb; 13 feet brick casing at bottom. Never fails but can be bailed dry in 4 hours.
358	17.0	do.	None	N	See log.
359	16.3	do.	B,H	D,S	Dug well with wood curb and no casing. Never fails.
360	35.8	May 7, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 4 hours.
361	9.5	May 5, 1936	None	N	See log.
362	--	--	None	N	Aggregate flow of 2 openings estimated at $\frac{1}{4}$ gallon a minute from gravel. Never fails.
363	54.4	May 4, 1936	B,H	D	Dug well with wood curb and no casing. Never fails but can be bailed dry in 3 hours.

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

d/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Rusk	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
364	6 miles southeast	S. Miller	W. P. A. test well	G. H. Cromack	1936	28	3	0
365	do.	H. G. Van Sickle	M. G. Hazell	--	1935	37	--	2.4
1/365	do.	S. Miller	J. W. Page	--	1906	60	42	4.4
367	6 miles south	T. Linnard	O. L. Edwards	--	1926	39	--	2.2
368	do.	S. Hendon	J. H. Thompson	--	1891	48	36	4.7
369	4 $\frac{1}{2}$ miles south	J. T. Cook	Mrs. F. M. Hudson	--	1916	34	--	3.0
370	do.	R. W. McMinn	R. R. Middleton	R. R. Middleton	1926	30	42	3.5
371	3 $\frac{1}{2}$ miles south	J. T. Cook	E. B. Todd	--	--	Spring	--	--
372	3 $\frac{1}{2}$ miles south	do.	W. P. A. test well	G. H. Cromack	1936	15	3	0
373	3 $\frac{1}{2}$ miles southeast	do.	W. L. Ellington	--	--	40	--	2.9
374	3 miles south	do.	W. T. Brown	--	1885	50	36	2.2
375	2 miles south	T. G. Timmons	H. O. McMinn	--	1897	47	36	3.6
376	3 miles southeast	E. B. Noble	W. P. A. test well	G. H. Cromack	1936	51	3	1
377	2 $\frac{1}{2}$ miles southeast	Wm. Spencer	Cindy Kennedy	--	1894	28	--	5.4
378	1 mile southeast	--	W. P. A. test well	G. H. Cromack	1936	23	3	0
379	2 $\frac{1}{2}$ miles east	W. R. Oswald	do.	do.	1936	24	3	0
380	2 $\frac{1}{2}$ miles east	do.	Sam Williams	--	--	39	--	4.3
381	2 $\frac{1}{2}$ miles east	do.	J. B. Malone	--	--	Spring	--	--
382	1 $\frac{1}{2}$ miles northeast	M. Miller	A. S. Daniels	--	1930	25	--	2.9
383	2 $\frac{1}{2}$ miles northeast	S. Halbert	W. P. A. test well	G. H. Cromack	1936	32	3	0
384	1 $\frac{1}{2}$ miles northeast	B. Johnson	do.	do.	1936	23	3	0
385	2 $\frac{1}{2}$ miles northeast	M. Miller	F. H. Manning	--	1916	36	42	6.5
386	3 $\frac{1}{2}$ miles northeast	A. Red	R. Hooper	R. Hooper	1935	20	36	0
387	4 miles northeast	S. A. Williams	Summers Est.	--	--	Spring	--	--
388	5 miles northeast	G. Jenkins	Mary Lamb	Nathan Lamb	1890	31	--	2.5
389	5 $\frac{1}{2}$ miles northeast	J. R. Taylor	C. E. Jenkins	--	1926	36	--	3.3

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

^{b/} T, turbine; A, air-lift; C, cylinder; E, bucket; L, electric; G, gasoline engine; W, windmill; H, hand; number indicates horsepower.

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
364	21.0	May 4, 1936	None	N	See log.
365	35.6	May 7, 1936	B,H	D,S	Dug well with cement curb and brick casing from top to bottom. Never fails.
366	46.6	May 4, 1936	B,H	D,S	Dug well with wood curb; 10 feet plank casing at bottom. Never fails and can not be bailed dry.
367	37.6	June 25, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails.
368	45.4	May 5, 1936	B,H	D	Dug well; brick and wood curb; 13 feet brick casing to bottom. Never fails but can bail dry in 2 hours.
369	31.3	do.	B,H	D	Dug well; cement curb; no casing. Very low in summer. Can bail dry in 1/2 to 4 hours depending on season.
370	28.6	June 25, 1936	B,H	D,S	Dug well; wood curb; plank casing, top to bottom. Never fails but can bail dry in 3 hours.
371	--	--	None	D,S	Flows 15 gallons a minute from gravel. Never fails
372	14.0	June 26, 1936	None	N	See log.
373	34.3	May 4, 1936	B,H	D,S	Dug well; brick curb; no casing. Filled in 1918 and was dug 4 feet deeper. Can not be bailed dry since
374	39.4	May 5, 1936	B,H	D,S	Dug well; wood curb; brick casing, top to bottom. Never fails and can not be bailed dry.
375	38.1	May 4, 1936	B,H	D	Dug well; cement curb; 13 feet brick casing to bottom. Never fails but can be bailed dry in 3 hours.
376	42.0	May 1, 1936	None	N	See log.
377	23.2	Apr. 30, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 2 hours.
378	17.0	May 1, 1936	None	N	See log.
379	21.0	Apr. 29, 1936	None	N	Do.
380	37.6	May 1, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can bail dry in 4 hours. Reported unfit for
381	--	--	None	D,S,I	Aggregate flow of 2 springs estimated/drinking use. at 7 gallons a minute from rock crevices. Never fails.
382	16.7	May 1, 1936	B,H	D,S	Dug well; wood curb; 6 feet wood casing at top. Never fails but can be bailed dry in 2 hours.
383	28.0	Apr. 27, 1936	None	N	See log.
384	18.5	Apr. 22, 1936	None	N	Do.
385	22.9	Apr. 23, 1936	B,H	D	Dug well; wood curb; 4 feet brick casing at top. Never fails but can be bailed dry in 4 hours.
386	17.4	do.	B,H	D,S	Dug well with wood curb and 7 feet of rock casing at bottom. No failure to date.
387	--	--	None	D,S	Flows 1 gallon a minute through gravel bed. Never fails.
388	27.9	Apr. 23, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 5 hours.
389	28.0	Apr. 1, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 2 hours.

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

d/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Rusk	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
390	5½ miles north	J. R. Taylor	J. W. Smith	J. W. Smith	1920	32	--	2.9
391	6 miles north	Thomas Langham	H. N. Hicks	H. N. Hicks	1920	37	30	2.9
392	do.	do.	do.	--	--	Spring	--	--
d/393	5 miles north	Jane Payne	W. P. A. test well	G. H. Cromack	1936	12	3	0
394	4½ miles north	J. Barnhart	A. G. Adams	--	1916	30	--	3.2
395	4 miles north	Robert Walters	W. P. A. test well	G. H. Cromack	1936	28	3	0
396	3½ miles north	do.	W. J. Buffords	--	1922	35	--	2.8
397	1½ miles north	J. M. Miller	--	--	--	Spring	--	--
398	do.	do.	W. P. A. test well	G. H. Cromack	1936	31	3	0
399	8 mile north	J. R. Blanton	Mrs. C. E. Hunter	--	1933	82	36	2.5
400	½ mile northwest	--	State of Texas	--	--	1,183	6	1.7
401	1 mile northwest	D. Joslin	A. D. Smith	--	--	4'	--	4.5
402	½ mile west	W. Anderson	W. P. A. test well	G. H. Cromack	1936	27	3	0
d/402a	Rusk City Hall	J. Hundley	City of Rusk	Layne-Texas Co.	1914	608	8	--
403	1 mile southwest	T. G. Timmons	W. F. Payne	--	1885	42	36	3.3
d/404	1½ miles southwest	C. K. Beach	W. P. A. test well	G. H. Cromack	1936	14	3	--
405	2¼ miles southwest	J. B. Young	Chas. Thompson	--	--	35	36	2.4
406	3 miles southwest	J. T. Cook	W. P. A. test well	G. H. Cromack	1936	11	3	0
407	4½ miles southwest	do.	E. B. Parks	E. B. Parks	1915	30	42	2.2
408	6½ miles southwest	Levi Jordan	S. W. Lang Est.	--	--	Spring	--	--
409	5 miles southwest	Jessie T. Jones	Robert Pryor	--	1895	36	30	5.7
410	4 miles southwest	J. T. Cook	Alvin Sherman	--	--	41	36	2.4
411	1½ miles west	John S. Mills	W. P. A. test well	G. H. Cromack	1936	26	3	0
412	2 miles west	do.	do.	do.	1936	25	3	0
413	1½ miles west	Wm. Barbee	G. M. Hall	--	1932	23	30	3.3
414	2¼ miles west	do.	W. P. A. test well	G. H. Cromack	1936	34	3	0

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

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

G. F. Cromack, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
390	29.3	Apr. 1, 1936	B,H	D	Dug well with wood curb and no casing. Never fails but can be bailed dry in 1 hour.
391	35.2	Apr. 6, 1936	B,H	D,S	Dug well; wood curb; 6 feet tile casing at bottom. Often fails, reported probably caused by tile being
392	--	--	None	D,S	Flow of 2 openings estimated at $1\frac{1}{2}$ gallons a minute. Never fails. set too deep.
393	--	--	None	N	No water. See log.
394	27.6	Apr. 3, 1936	B,H	D	Dug well with wood curb and no casing. Never fails but can be bailed dry in $\frac{1}{2}$ hour.
395	20.0	Apr. 23, 1936	None	N	See log.
396	29.1	do.	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 4 hours.
397	--	--	None	S	Aggregate flow of 2 openings is $6\frac{1}{2}$ gallons a minute. Never fails.
398	28.0	Apr. 23, 1936	None	I	See log.
399	80.2	do.	B,H	D	Dug well with rock curb and 10 feet of cement casing at top. Never fails.
400	195.0	--	T,E,25	D,S, Ind	Located at State Hospital for the Insane. Water level reported. Water stratum about 600 feet deep.
401	35.3	May 6, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails. Taste of iron reported.
402	14.0	May 1, 1936	None	N	See log.
402a	230.0	--	None	N	Formerly city supply. Reported water level 230 feet. Drawdown 35 feet at 90 gallons a minute. See log.
403	38.1	May 12, 1936	B,H	D,S	Dug well; brick curb; brick casing between 18 and 54 feet. Never fails but can be bailed dry in 4
404	--	--	None	N	No water, See log. hours.
405	29.7	May 11, 1936	B,H	D,S	Dug well; cement curb; 6 feet casing at top. Permanent supply. Can be bailed dry in 5 hours. Slight-
406	8.0	do.	None	N	See log. ly sour taste.
407	27.5	June 22, 1936	B,H	D,S	Dug well; wood curb; $4\frac{1}{2}$ feet brick casing at bottom. Strong supply. Can not be bailed dry.
408	--	--	None	D	Flow estimated at 1 gallon a minute from white sand and gravel. Never fails.
409	26.8	May 11, 1936	B,H	D	Dug well; wood curb; brick casing, top to bottom. Never fails but can be bailed dry in 2 hours.
410	10.4	do.	B,H	--	Dug well; wood curb; 8 feet brick casing at top. Filled in 1935 and deepened 15 feet. No failures
411	22.5	do.	None	N	See log. since.
412	8.0	May 1, 1936	None	N	Do.
413	19.5	do.	B,H	D,S	Dug well; wood curb; brick casing, top to bottom. Never fails but can be bailed dry in $1\frac{1}{2}$ hours.
414	24.0	May 5, 1936	None	N	See log.

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

d/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Rusk	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
d/415	2 miles northwest	Wm. Barbee	W. P. A. test well	G. H. Cromack	1936	33	3	--
416	do.	do.	State of Texas	--	--	Spring	--	--
417	1½ miles northwest	M. Perkins	Miss L. Reaves	--	1930	28	--	2.7
418	2½ miles northwest	J. H. Ferguson	Mrs. Betty Ferguson	--	--	36	--	3.3
419	5 miles northwest	B. Vining	J. F. Scurlock	--	--	42	30	2.7
420	6 miles north	J. D. Leathers	Mrs. J. L. Cole	--	1901	16	--	3.1
421	6½ miles northwest	A. M. Halmark	W. P. A. test well	G. H. Cromack	1936	30	3	0
422	6 miles northwest	A. M. Long	E. C. Cummings	--	--	31	36	3.5
423	6½ miles northwest	do.	do.	--	--	Spring	--	--
424	5½ miles northwest	Beverly Pool	Ora Allen	--	1915	25	--	3.2
425	4 miles northwest	do.	Mrs. E. S. Jones	--	--	Spring	--	--
426	do.	do.	W. L. Murrah	--	1896	64	48	2.7
427	4¾ miles northwest	do.	J. M. Grishom	J. M. Grishom	1922	34	30	2.5
d/428	4½ miles northwest	Wm. Barbee	W. P. A. test well	G. H. Cromack	1936	46	3	0
429	3½ miles northwest	do.	L. P. Halbert	--	--	Spring	--	--
430	3½ miles northwest	do.	Joe Lloyd	Joe Lloyd	1932	36	36 sq.	3.0
431	3½ miles northwest	do.	W. P. A. test well	G. H. Cromack	1936	29	3	0
432	3¼ miles west	J. M. Malone	Eldon Jones	--	1934	20	--	2.4
433	3¼ miles west	K. Odom	W. P. A. test well	G. H. Cromack	1936	46	3	0
434	4¼ miles southwest	do.	R. F. Stewart	--	--	32	--	2.7
d/435	5 miles southwest	do.	W. P. A. test well	G. H. Cromack	1936	13	3	--
436	5½ miles southwest	do.	Summers Est.	Eud Newman	1894	24	--	7.2
437	6½ miles southwest	Levi Jordan	J. L. Joplin	--	--	34	36	3.4
438	8½ miles southwest	A. Harper	R. W. Berry	R. W. Berry	1934	22	24	3.0
439	7½ miles southwest	M. S. Durham	W. O. Berry	--	1926	11	30	2.4
440	8 miles southwest	J. Blackwell	J. B. Barefield	--	1875	23	36	3.3

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

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measure- ment			
415	--	--	None	N	No water. See log.
416	--	--	None	D	Flows 8 gallons a minute. Never fails.
417	21.4	May 1, 1936	B,H	D	Dug well with wood curb and no casing. Never fails.
418	22.7	Apr. 23, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 3 hours.
419	39.0	do.	B,H	D,S	Dug well; brick curb; 8 feet tile casing at bottom. Never fails but can be bailed dry in 1½ hours.
420	5.7	Apr. 6, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 6 hours.
421	22.0	Apr. 7, 1936	None	N	See log.
422	24.3	Feb. 27, 1936	B,H	S	Dug well with wood curb and no casing. Never fails. Reported unfit for drinking.
423	--	--	None	D	Flows 2 gallons a minute from sandstone. Never fails.
424	19.2	June 12, 1936	B,H	D,S	Dug well with rock curb and no casing. Never fails and can not be bailed dry.
425	--	--	None	D,S	Flows 3 gallons a minute from rock fracture. Reported used for over 100 years.
426	61.6	Apr. 21, 1936	B,H	D,S	Dug well; wood curb; 4 feet brick casing at top. Never fails but can be bailed dry in 8 hours.
427	32.2	do.	B,H	D,S	Dug well; concrete curb; 9 feet tile at bottom. Never fails but can be bailed dry in ½ hour.
428	--	--	None	N	See log.
429	--	--	None	D,S	Flows 6 gallons a minute from fractured rock. Permanent supply.
430	33.8	Apr. 21, 1936	B,H	D,S	Dug well with wood curb; 12 feet plank casing at bottom. Never fails but can be bailed dry in ½ hour.
431	20.5	May 5, 1936	None	N	See log.
432	17.0	May 1, 1936	B,H	D,S	Dug well; cement curb; cement casing from top to bottom. Never fails but can be bailed dry in ¼ hour.
433	43.0	May 6, 1936	None	N	See log.
434	29.1	May 1, 1936	B,H	D,S	Dug well; cement curb; cement casing, top to bottom. Never fails but can be bailed dry in 2 hours.
435	--	--	None	N	No water. See log.
436	18.7	May 12, 1936	B,H	D	Dug well with rock curb and no casing. Never fails but can be bailed dry in 2 hours.
437	18.5	May 11, 1936	B,H	D,S	Dug well with wood curb and brick casing from top to bottom. Never fails.
438	17.2	June 6, 1936	B,H	D	Dug well with tile casing from top to bottom. Never fails.
439	5.9	May 11, 1936	B,H	D	Dug well; rock casing from top to bottom. Never fails but can be bailed dry in 1 hour.
440	16.8	May 12, 1936	B,H	D,S	Dug well; wood curb; 12 feet wood casing at top. Never fails but can be bailed dry in 1½ hours.

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

d/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Rusk	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
441	7½ miles southwest	T. S. Parker	Summers & Rombson	--	--	Spring	--	--
442	do.	J. D. Raines	C. B. Odom	--	1885	28	36	4.7
443	6½ miles southwest	G. B. Lacy	J. T. Wallace	--	1900	30	--	3.3
d/444	do.	do.	W. P. A. test well	G. H. Cromack	1936	20	3	0
445	6½ miles southwest	G. B. Lacy	J. C. Wallace	--	--	71	36	2.9
446	6 miles southwest	J. Sheridan	W. P. A. test well	G. H. Cromack	1936	30	3	0
447	5½ miles southwest	K. Odom	J. T. Bradshaw	--	--	20	--	2.6
448	4 miles west	do.	Lewis Butler	Coad Wood	1928	45	42	2.6
449	4½ miles northwest	L. M. Vining	W. P. A. test well	G. H. Cromack	1936	31	3	0
450	5½ miles west	M. Burns	O. P. Lenzy	O. P. Lenzy	1934	33	36	2.9
451	do.	do.	W. P. A. test well	G. H. Cromack	1936	52	3	0
452	5 miles northwest	E. Nelson	Lovey Duke	--	--	45	30	3.0
453	6 miles northwest	Carl Frank	Will Jones	--	--	29	--	3.2
454	5½ miles northwest	Beverly Pool	W. P. A. test well	G. H. Cromack	1936	19	3	0
454a	7 miles northwest	do.	Dialville Schools	--	--	Spring	--	--
455	6 miles northwest	do.	Dan Newton	--	--	31	--	3.3
456	7 miles northwest	T. Spears	W. P. A. test well	G. H. Cromack	1936	41	3	0
457	8 miles northwest	C. W. Miller	do.	do.	1936	30	3	0
458	7½ miles northwest	George Patton	W. H. Odem	W. H. Odem	1916	33	--	3.8
459	7 miles northwest	George Isaacs	B. T. Burnett	M. N. Burnett	1935	19	48	3.0
460	do.	Mary Shinn	J. A. Durrett	J. A. Durrett	1917	21	--	3.1
461	do.	John Smithers	C. L. Dial	--	1926	31	42	2.5
462	do.	S. Gansey	Gus French	--	1933	23	36	2.7
463	7½ miles west	J. McGowan	W. P. A. test well	G. H. Cromack	1936	23	3	0
464	7 miles west	do.	Bud Odem	--	--	30	36	5.7

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

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

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
441	--	--	None	D,S	Flow estimated at 2 gallons a minute from gravel and sand. Never fails.
442	25.6	May 12, 1936	B,H	D,S	Dug well; rock curb; 14 feet casing at bottom. Never fails but can be bailed dry in 3 hours.
443	22.3	do.	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 3 hours.
444	--	--	None	N	No water. See log.
445	65.8	May 12, 1936	B,H	D,S	Dug well with wood curb and 12½ feet of casing at bottom. Never fails. Can not be bailed dry.
446	24.5	do.	None	N	See log.
447	16.8	May 1, 1936	B,H	D	Dug well with wood curb and no casing. Never fails but can be bailed dry in ¼ hour.
448	42.6	Apr. 21, 1936	B,H	D,S	Dug well with wood curb and 20 feet of cement casing at bottom. Never fails.
449	25.0	May 4, 1936	None	N	See log.
450	31.8	Apr. 21, 1936	B,H	D,S	Dug well with wood curb and 12½ feet of wood casing at bottom. Never fails but can bail dry in ½ hour.
451	49.0	May 28, 1936	None	N	See log.
452	40.6	Apr. 21, 1936	B,H	D,S	Dug well with cement curb and cement casing from top to bottom. Never fails.
453	21.0	June 12, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails.
454	9.0	Apr. 21, 1936	None	N	See log.
454a	--	--	--	P	Used for drinking water in public schools in Dialville.
455	24.4	Apr. 20, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails.
456	34.5	Apr. 21, 1936	None	N	See log.
457	27.4	Apr. 20, 1936	None	N	Do.
458	23.5	do.	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 4 hours.
459	14.2	do.	B,H	D	Dug well with tile curb and 3 feet tile casing at top. Never fails but can be bailed dry in 1 hour.
460	10.7	do.	B,H	D,S	Dug well; wood curb; 3 feet cement casing at top. Never fails but can be bailed dry in 8 hours.
461	16.6	June 12, 1936	B,H	D,S	Dug well with cement curb and 7½ feet casing at top. Never fails but can be bailed dry in 1 hour.
462	15.4	do.	B,H	D,S	Dug well with wood curb and 12 feet of cement casing at top. Gets too low for use in summer.
463	13.0	May 28, 1936	None	N	See log.
464	29.0	Apr. 21, 1936	B,H	D,S	Dug well with wood curb and 9 feet of wood casing at bottom. Never fails.

c/ I, irrigation; Ind, industrial; P, public; D, domestic; S, stock; N, not used.
d/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Rusk	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (ft.)	Height of measuring point above ground (ft.) ^{a/}
465	6½ miles southwest	W. T. Patterson	Irno Rock Co.	--	--	24	--	2.4
466	8 miles southwest	John Parker	S. W. Scott	--	1934	44	30	3.0
467	do.	W. J. Moore	J. T. Ball	--	--	Spring	--	--
468	do.	do.	do.	J. T. Ball	1933	37	30	3.2
469	8 miles west	John Williams	H. E. Ross	H. E. Ross	1914	34	36	3.4
470	do.	J. H. Denby	Lotis A. Sherman	Lotis A. Sherman	1934	30	--	2.6
471	do.	S. T. Wilson	J. J. Nally	--	1924	22	--	2.7
d/472	8 miles northwest	S. J. Wilson	W. P. A. test well	G. H. Cromack	1936	9	3	--
473	8½ miles northwest	J. M. White	J. W. Gay	Allen Gay	1922	17	36	2.9
474	8 miles northwest	M. L. Patton	W. E. Grishem	--	--	29	--	3.3
475	9 miles northwest	N. Jackson	E. W. Kelly	--	1875	31	--	2.7
476	do.	A. D. Kelker	C. S. Ousley	--	--	Spring	--	--
477	8½ miles northwest	L. Brock	T. M. Harris	--	--	do.	--	--
478	9 miles northwest	H. C. Evans	Francis Glass	--	1860	38	--	2.9
479	9½ miles northwest	Stephen Halbert	E. W. Green	--	--	28	--	2.9
d/480	10½ miles northwest	R. P. Brown	W. P. A. test well	G. H. Cromack	1936	9	3	--
481	11 miles northwest	J. Hassell	John Chapman	--	--	43	--	2.4
482	10½ miles northwest	J. M. Doherty	T. D. Choate	--	1875	36	--	3.2
483	12 miles northwest	do.	John Taylor	--	1926	29	--	2.9
484	13 miles northwest	W. Arnold	C. C. Sides	--	--	46	--	2.7
485	13½ miles northwest	George Doherty	do.	--	--	Spring	--	--
486	15 miles northwest	I. Reynolds	Fed. Land Bank	--	1935	14	--	2.7
487	14½ miles northwest	H. Fuller	W. P. A. test well	G. H. Cromack	1936	23	3	0
488	do.	I. & G. N. R. R.	Weaver Bros. and Thompson	P. E. Clayborn	1934	37	42	3.1
489	14 miles northwest	C. S. Hamilton	W. P. A. test well	G. H. Cromack	1936	41	3	0

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

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

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point	Date of measure- ment			
465	(feet) 22.8	May 1, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in $\frac{1}{2}$ hour.
466	40.0	--	B,H	D,S	Dug well with wood curb and 24 feet tile casing at bottom. Never fails but can bail dry in 3 hours.
467	--	--	None	D	Flow estimated at 2 gallons a minute from gravel bed. Never fails.
468	33.4	May 6, 1936	B,H	D	Dug well with wood curb and 15 feet of tile casing at bottom. Never fails.
469	26.1	do.	B,H	D	Dug well; wood curb; 15 feet rock casing at top. Never fails but can be bailed dry in 5 hours.
470	28.3	do.	B,H	D,S	Dug well with wood curb and no casing. Never fails.
471	20.2	June 12, 1936	B,H	D	Dug well with wood curb and no casing. Never fails and unable to bail dry in 6 hours.
472	--	--	None	N	No water. See log.
473	15.7	Apr. 10, 1936	B,H	D	Dug well; wood curb; 7 feet concrete casing at top. Gets too low for use in dry weather. Weak supply.
474	25.4	June 12, 1936	B,H	D	Dug well with brick curb and no casing. Never fails but can be bailed dry in $1\frac{1}{2}$ hours.
475	26.3	Apr. 10, 1936	B,H	D	Dug well; cement curb; $20\frac{1}{2}$ feet brick casing at top. Never fails but can be bailed dry in 3 hours.
476	--	--	None	S	Flow estimated at 2 gallons a minute from rock fissure. Never fails.
477	--	--	None	D,S	Flows 2 gallons a minute from rock fracture. Permanent supply.
478	22.6	Apr. 20, 1936	B,H	N	Dug well with wood curb and no casing. Never fails.
479	23.8	Apr. 10, 1936	B,H	D,S	Dug well with concrete curb and 11 feet of casing at top. Never fails.
480	--	--	None	N	No water. See log.
481	32.0	Apr. 17, 1936	B,H	D,S	Dug well with brick curb and no casing. Never fails but can be bailed dry in 2 hours.
482	25.1	do.	B,H	D	Dug well; wood curb; no casing. Water enters well over 4 foot bed of lignite. Never fails.
483	26.5	Apr. 16, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 1 hour.
484	44.3	Apr. 15, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails.
485	--	--	None	D,S	Flows $1\frac{1}{2}$ gallons a minute from white sand. Never fails.
486	8.2	Apr. 15, 1936	B,H	--	Dug well; wood curb; no casing. Seep well. Fails in dry weather. Can be bailed dry in 1 hour.
487	15.5	do.	None	N	See log.
488	32.3	do.	B,H	D,S	Dug well with wood curb and $5\frac{1}{2}$ feet of cement casing at top. Never fails.
489	37.0	do.	None	N	See log.

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

d/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Rusk	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
490	13 miles northwest	Henry Garrett	Hubert Black	--	--	31	36	5.0
491	13 $\frac{1}{2}$ miles northwest	A. G. Chessher	J. L. Shelton	--	--	Spring	--	--
492	14 miles northwest	W. R. Tillman	J. R. Batton	J. R. Batton	1913	46	--	5.6
493	12 $\frac{1}{2}$ miles northwest	F. L. Williams	E. McMahon	E. McMahon	1925	49	30	2.5
494	12 miles northwest	George Doherty	Alec Jones	Alec Jones	1918	36	36	3.1
495	11 $\frac{1}{2}$ miles northwest	T. M. Garrett	E. W. Mullinax	--	--	Spring	--	--
496	9 $\frac{1}{2}$ miles northwest	E. Bolton	T. F. Mullinax	T. F. Mullinax	1890	25	42	2.7
497	9 miles west	Robert Kinsler	R. W. Williams	R. W. Williams	1924	36	--	3.4
498	10 $\frac{1}{2}$ miles west	W. W. Baker	J. M. Allen	J. M. Allen	1924	32	42	2.5
499	12 miles west	J. J. Beason	A. L. Moody	A. L. Moody	1914	31	--	2.8
500	13 miles west	John Ward	F. E. Boon	--	1875	28	--	6.2
501	14 miles southwest	S. Hobbs	So. Pine Lumber Co.	--	--	Spring	--	--
502	12 $\frac{1}{2}$ miles west	W. M. Evans	Texas State Forest #3	-- Little	1935	1,420	6	--
503	10 miles west	John A. Killion	R. A. French	--	1850	--	--	--
504	do.	G. B. Hill	Mrs. E. McGadden	--	--	Spring	--	--
505	9 $\frac{1}{2}$ miles west	O. Lund	W. P. A. test well	G. H. Cromack	1936	12	3	0
506	9 miles west	--	Bud Bolton	--	--	22	--	3.0
507	do.	Wm. Killion	W. P. A. test well	G. H. Cromack	1936	11	3	0
508	9 $\frac{1}{2}$ miles west	do.	Mrs. S. R. Batten	--	--	40	--	3.2
509	11 miles west	John A. Killion	Mrs. Abbie Stewart	--	--	21	42	1.8
510	12 miles west	W. S. Box	Eugene Roach	--	1933	27	36	3.2

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

^{b/} T, turbine; A, air-lift; C, cylinder; B, bucket; E, electric; G, gasoline engine; W, windmill; H, hand; number indicates horsepower.

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/ c/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
490	29.0	Apr. 15, 1936	B,H	D	Dug well with wood curb and 15 feet of cement casing at top. Never fails.
491	--	--	None	N	Flows 1 gallon a minute out of clay bed. Slightly turbid. Never fails.
492	40.3	Apr. 15, 1936	B,H	D,S	Dug well with cement curb and cement casing from top to bottom. Never fails.
493	46.1	do.	B,H	D,S	Dug well; cement curb; 15 feet tile casing at bottom. Never fails but can be bailed dry in 2 hours.
494	32.1	Apr. 16, 1936	B,H	D,S	Dug well with wood curb and 7 feet wood casing at bottom. Never fails and can not be bailed dry.
495	--	--	None	D,S	Flows $\frac{1}{2}$ gallon a minute from white sand. Never fails.
496	13.6	Apr. 17, 1936	B,H	D,S	Dug well; cement curb; 5 feet cement casing at top. Never fails but can be bailed dry in 4 hours.
497	22.4	do.	B,H	D,S	Dug well; wood curb; no casing. Failed once but deepened. Can be bailed dry in 5 hours.
498	29.6	do.	B,H	D,S	Dug well; cement curb; 5 $\frac{1}{2}$ feet cement casing. Gets low in dry weather. Can bail dry in $\frac{1}{2}$ to 1 hour.
499	25.4	Apr. 16, 1936	B,H	D,S	Dug well; wood curb; no casing. Gets low in dry weather. Can be bailed dry in 1 to 1 $\frac{1}{2}$ hours.
500	26.1	Apr. 15, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 2 $\frac{1}{2}$ hours.
501	--	--	None	D,S, Ind	Total flow from 2 openings is 12 gallons a minute. Never fails.
502	--	--	A,G, 30	P	Drilled well. Water coming from around 500 feet. Supplies C.C.C. Camp.
503	--	Apr. 17, 1936	B,H	D,S	Dug well; wood curb; 5 feet brick casing at top. Never fails. Can not be bailed dry.
504	--	--	None	D,S	Aggregate flow of 3 openings estimated at 2 $\frac{1}{2}$ gallons a minute from white sand. Never fails.
505	5.0	May 28, 1936	None	N	See log.
506	11.6	Apr. 17, 1936	B,H	D,S	Dug well with wood curb and no casing. Gets too low in dry weather but never fails.
507	7.5	May 28, 1936	None	N	See log.
508	17.0	May 27, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 4 hours.
509	15.6	do.	B,H	D,S	Dug well; wood curb; rock casing from top to bottom. Never fails but can be bailed dry in 2 hours.
510	23.7	do.	B,H	D,S	Dug well; wood curb; 3 feet tile casing at bottom. Never fails but can be bailed dry in 2 hours.

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

d/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Alto	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
601	10 $\frac{1}{2}$ miles northwest	J. Hunt	Masters heirs	--	1921	26	30	2.5
d/602	12 miles northwest	I. & G. N. R. R.	W. P. A. test well	G. H. Cromack	1936	13	3	0
603	10 miles northwest	Z. Gibbs	do.	do.	1936	28	3	0
604	8 $\frac{3}{4}$ miles northwest	P. Lovejoy	Roy Hassell	Roy Hassell	1936	22	--	3.0
605	7 $\frac{1}{2}$ miles west	W. Meredith	W. P. A. test well	G. H. Cromack	1936	16	3	0
606	7 $\frac{1}{2}$ miles northwest	N. Newton	do.	do.	1936	21	3	0
607	8 miles northwest	Levi Jordan	J. O. Huggins	J. C. Huggins	1934	15	--	2.7
608	5 $\frac{1}{2}$ miles northwest	E. Mosky	W. C. Jones	--	--	49	--	3.3
609	6 miles northwest	W. Curl	Walter Beard	--	--	40	--	--
610	4 $\frac{1}{2}$ miles northwest	N. Crenshaw	Wilmer Rozelle	--	--	51	--	3.7
611	3 miles northwest	T. Walters	C. L. Netters	--	--	50	--	2.6
612	do.	do.	do.	--	--	Spring	--	--
613	1 mile northwest	do.	W. M. Armstrong	--	1902	51	42	5.0
614	2 $\frac{1}{2}$ miles northwest	--	W. P. A. test well	G. H. Cromack	1936	15	3	0
615	3 $\frac{1}{2}$ miles northwest	T. Walters	J. J. Tullis	J. J. Tullis	1916	42	--	2.0
616	4 $\frac{1}{4}$ miles northwest	T. Hoyt	W. P. A. test well	G. H. Cromack	1936	27	3	0
617	3 $\frac{1}{2}$ miles northwest	H. C. Van Sickle	R. A. Rogers	--	1890	32	--	2.5
618	3 $\frac{1}{2}$ miles north	J. T. Cook	W. P. A. test well	G. H. Cromack	1936	42	3	0
619	3 $\frac{1}{4}$ miles north	J. T. Cook, Jr.	T. F. Martin	T. F. Martin	1933	19	--	2.7
620	3 miles north	E. D. Cook	Hugh Dickey	--	--	37	--	4.0
d/621	2 $\frac{1}{4}$ miles north	J. M. Mora	W. P. A. test well	G. H. Cromack	1936	17	3	0
622	2 miles north	do.	W. S. Satterwhite	--	1873	34	--	4.0
623	1 mile north	do.	W. P. A. test well	G. H. Cromack	1936	30	3	0
624	$\frac{1}{2}$ mile north	do.	F. E. Salmond	F. E. Salmond	1880	25	--	2.5
625	2 miles north	do.	Albert Sibley	--	--	28	--	3.5

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

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

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
601	21.7	June 25, 1936	E,H	D,S	Dug well; wood curb, 5 feet plank casing at top. Failed in 1930. Deepened 5 feet. No failure since.
602	9.0	June 30, 1936	None	N	See log.
603	26.0	June 25, 1936	None	N	Do.
604	21.3	June 22, 1936	B,H	D	Dug well with wood curb and no casing.
605	11.0	do.	None	N	See log.
606	14.0	do.	None	N	Do.
607	10.5	do.	E,H	D	Dug well with wood curb and no casing. Never fails.
608	43.4	May 5, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 3 hours.
609	33.2	do.	E,H	D	Dug well with brick curb and no casing. Never fails but can be bailed dry in 4 hours.
610	34.1	June 17, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails and cannot be bailed dry.
611	49.0	do.	B,H	S	Dug well with wood curb and no casing. Never fails. Reported unfit for drinking use.
612	--	--	None	D,S	Flow estimated at 4 gallons a minute from fractured rock. Never fails.
613	46.6	June 17, 1936	B,H	D	Dug well; brick curb; 15 feet galvanized casing at bottom. Never fails. Can not be bailed dry.
614	10.5	do.	None	N	See log.
615	36.8	do.	B,H	D,S	Dug well with brick curb and no casing. Never fails. Can not be bailed dry.
616	26.0	do.	None	N	See log.
617	29.6	May 4, 1936	B,H	D,S	Dug well; brick curb; 6 feet brick casing at bottom. Never fails. Can not be bailed dry.
618	36.0	May 7, 1936	None	N	See log.
619	16.6	do.	B,H	D	Dug well with wood curb and no casing. Never fails.
620	19.5	May 8, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 2 hours.
621	--	--	None	N	No water. See log.
622	16.2	May 4, 1936	B,H	D	Dug well with brick curb and no casing. Well failed in 1926. Deepened through rock to shale. No failure since.
623	20.0	June 1, 1936	None	N	See log.
624	18.3	May 7, 1936	B,H	D	Dug well with wood curb and no casing. Gets low in dry weather. Can be bailed dry in 1 hour.
625	23.4	May 8, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 1 hour.

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

d/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Alto	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
626	2 miles northeast	James Dill	H. M. Berryman	--	--	34	--	2.6
627	2 $\frac{3}{4}$ miles northeast	J. M. Mora	W. H. Brunt	--	--	30	36	3.0
628	3 $\frac{3}{8}$ miles northeast	James Dill	H. H. Berryman	--	--	39	--	3.0
629	do.	do.	W. P. A. test well	G. H. Cromack	1936	22	3	0
630	3 $\frac{1}{2}$ miles northeast	E. D. Cook	Mrs. D. D. Banks	--	1896	38	--	3.1
631	4 $\frac{1}{4}$ miles northeast	James Dill	Soule and Davis	--	--	39	--	3.1
632	6 miles northeast	do.	James Williams	--	1916	39	42	3.2
633	5 $\frac{1}{2}$ miles northeast	do.	W. P. A. test well	G. H. Cromack	1936	25	3	0
634	5 miles northeast	do.	A. J. Vincent	--	--	45	--	2.7
635	3 $\frac{3}{8}$ miles northeast	do.	E. E. Lanier	--	--	17	--	2.7
636	4 miles northeast	do.	W. P. A. test well	G. H. Cromack	1936	15	3	0
637	2 $\frac{3}{4}$ miles east	do.	do.	do.	1936	19	3	0
638	3 $\frac{1}{2}$ miles east	do.	M. E. Goff	--	--	21	--	2.8
639	4 miles east	do.	W. P. A. test well	G. H. Cromack	1936	14	3	0
640	5 miles east	do.	A. J. McCuiston	A. J. McCuiston	1896	26	--	3.6
641	5 $\frac{1}{2}$ miles east	do.	W. P. A. test well	G. H. Cromack	1936	14	3	0
642	6 $\frac{1}{2}$ miles east	do.	C. W. Marshall	--	1924	19	--	2.5
643	7 miles east	do.	W. P. A. test well	G. H. Cromack	1936	13	3	0
d/644	5 miles east	John Durst	do.	do.	1926	15	3	0
645	5 $\frac{1}{2}$ miles east	do.	F. C. Dickey	--	1934	23	--	2.7
646	6 $\frac{1}{2}$ miles southeast	do.	W. P. A. test well	G. H. Cromack	1936	19	3	0
647	do.	do.	Mrs. M. Pratt	--	--	29	48	5.2
648	5 $\frac{3}{4}$ miles southeast	James Dill	A. G. Geter	A. G. Geter	1921	32	--	--
649	5 $\frac{1}{2}$ miles east	John Durst	W. P. A. test well	G. H. Cromack	1936	21	3	0
650	4 $\frac{1}{2}$ miles southeast	do.	do.	do.	1936	22	3	0

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

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

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measure- ment			
526	32.4	June 29, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 4 hours.
527	28.4	do.	B,H	D,S	Dug well; wood curb; 7 feet brick casing at top. Never fails but can be bailed dry in 1 hour.
628	34.0	do.	B,H	D,S	Dug well with wood curb and no casing. Never fails.
529	19.0	do.	None	N	See log.
630	17.5	May 7, 1936	B,H	D,S	Dug well with brick curb and no casing. Never fails but can be bailed dry in 4 to 5 hours.
631	35.4	May 8, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails.
632	36.3	June 19, 1936	B,H	D,S	Dug well with wood curb and 18 feet of brick casing at bottom. Never fails.
633	16.0	do.	None	N	See log.
634	40.5	do.	B,H	D,S	Dug well with wood curb and no casing. Never fails and can not be bailed dry.
635	12.7	June 29, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 1 hour.
636	7.0	May 29, 1936	None	N	See log.
637	3.5	do.	None	N	Do.
638	15.3	June 30, 1936	B,H	D,S	Dug well with brick curb and no casing. Never fails but can be bailed dry in 5 hours.
639	8.5	May 29, 1936	None	N	See log.
640	22.4	June 19, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 2 hours.
641	4.0	May 29, 1936	None	N	See log.
642	16.4	June 30, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails.
643	8.5	May 29, 1936	None	N	See log.
644	--	--	None	N	No water. See log.
645	19.4	June 30, 1936	B,H	S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 2 hours.
646	6.0	June 2, 1936	None	N	See log.
647	22.9	do.	B,H	D,S	Dug well; wood curb; brick casing, top to bottom. Never fails but can be bailed dry in 3 to 4 hours.
648	22.1	May 15, 1936	B,H	D	Dug well with wood curb and no casing. Reported unfit for drinking use.
649	21.0	June 2, 1936	None	N	See log.
650	12.0	do.	None	N	Do.

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

d/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Alto	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
651	4 miles east	J. M. Mora	Mrs. G. E. Covington	--	--	16	36	1.7
652	2 ⁵ / ₂ miles east	John Durst	W. P. A. test well	G. H. Cromack	1936	27	3	0
653	2 ¹ / ₄ miles east	J. M. Mora	L. F. Hill	--	--	27	36	2.4
654	2 miles east	do.	W. P. A. test well	G. H. Cromack	1936	9	3	0
655	1 ¹ / ₂ miles east	do.	C. E. Mallory	--	1890	31	--	1.2
656	³ / ₂ mile east	do.	W. P. A. test well	G. H. Cromack	1936	17	3	0
657	In Alto	--	City of Alto	--	--	525	6	--
658	do.	--	do.	Layne-Texas Co.	1929	557	6	--
659	do.	--	Alto Gin and Crate Co.	Lester Jett	1914	264	4	1.5
660	³ / ₄ mile southwest	B. Williams	W. P. A. test well	G. H. Cromack	1936	12	3	0
661	1 ¹ / ₂ mile southwest	Martin Lacy	M. E. McClure	--	--	66	--	2.4
662	1 ¹ / ₂ miles west	T. Walters	W. Taylor	--	--	30	--	2.5
663	3 miles west	Martin Lacy	J. H. Singletary	--	--	51	36	3.2
664	3 ¹ / ₂ miles southwest	do.	G. E. Singletary	--	--	30	--	4.2
666	6 ¹ / ₂ miles west	George Ruddle	W. P. A. test well	G. H. Cromack	1936	32	3	0
667	8 miles west	J. W. Mauling	do.	do.	1936	25	3	0
668	do.	do.	C. F. Holcomb	--	--	Spring	--	--
669	do.	do.	J. B. Schachler	--	--	31	18	4.1
670	9 ¹ / ₂ miles west	C. Vining	Mrs. O. D. Rogers	--	1926	34	--	2.6
671	5 ¹ / ₂ miles southwest	George Ruddle	W. P. A. test well	G. H. Cromack	1936	29	3	0
672	do.	do.	R. F. Wallace	--	--	Spring	--	--
673	4 ¹ / ₄ miles southwest	P. E. Bean	W. P. A. test well	G. H. Cromack	1936	29	3	0
674	6 miles southwest	George Ruddle	do.	do.	1936	33	3	0
d/675	8 ¹ / ₂ miles southwest	McKinney & Williams	do.	do.	1936	42	3	--
676	7 miles southwest	S. Selman	do.	do.	1936	23	3	0

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

^{b/} T, turbine; A, air-lift; C, cylinder; B, bucket; E, electric; G, gasoline engine; W, windmill; H, hand; number indicates horsepower.

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
651	10.2	May 14, 1936	B,H	D,S	Dug well; brick curb; brick casing, top to bottom. Never fails but can be bailed dry in 1 hour.
652	25.0	June 2, 1936	None	N	See log.
653	10.8	May 14, 1936	B,H	D,S	Dug well; cement curb; 5 feet rock casing at top. Never fails but can be bailed dry in 4 hours.
654	7.0	June 1, 1936	None	N	See log.
655	27.6	May 14, 1936	B,H	D	Dug well with cement curb and no casing. Never fails but can be bailed dry in 3 hours.
656	10.0	June 1, 1936	None	N	See log.
657	--	--	A,E, 15	P	Drilled well. Used to supplement town supply.
658	141.0	--	T,E, 20	P	Drilled well. Supplies town of Alto. See log. Drawdown 9 feet pumping 100 gallons a minute.
659	--	--	C,E, 5	Ind.	Drilled well. Supplies gin and ice plant. Reported water slightly mineralized.
660	10.0	June 26, 1936	None	N	See log.
661	25.4	June 29, 1936	B,H	S	Dug well with wood curb and no casing. Never fails.
662	12.8	June 26, 1936	B,H	D,S	Do.
663	47.1	June 15, 1936	B,H	D,S	Dug well; brick curb; 9 feet tile casing at bottom. Never fails but can be bailed dry in 1½ hours.
664	28.2	June 26, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 1 hour.
665	22.0	June 8, 1936	None	N	See log.
667	22.0	do.	None	N	Do.
668	--	--	None	D,S	Flow estimated at 4 gallons a minute from white sand. Never fails.
669	26.2	June 22, 1936	B,H	D	Dug well with wood curb and tile casing from top to bottom. Never fails.
670	29.3	June 25, 1936	B,H	D,S	Dug well with wood curb and no casing. Can be bailed dry in ½ hour and fails each summer.
671	21.0	June 8, 1936	None	N	See log.
672	--	--	None	N	Flow estimated at 1 gallon a minute from white sand. Never fails.
673	24.0	June 8, 1936	None	N	See log.
674	31.0	June 4, 1936	None	N	Do.
675	--	--	None	N	No water. See log.
676	20.0	June 3, 1936	None	N	See log.

c/ I, irrigation; Ind, industrial; P, public; D, domestic; S, stock; N, not used.
d/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Alto	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
d/676a	7 miles southwest	George Ruddle	E. M. Decker	W. A. Stone	1931	5,476	10	--
d/677	6 $\frac{1}{2}$ miles southwest	do.	W. P. A. test well	G. H. Cromack	1936	44	3	--
673	3 $\frac{1}{2}$ miles southwest	P. E. Bean	do.	do.	1936	34	3	0
679	2 $\frac{1}{2}$ miles southwest	B. Williams	Lem Felder	Lem Felder	1930	29	--	2.3
681	2 miles southwest	Martin Lacy	W. P. A. test well	G. H. Cromack	1936	19	3	0
681	do.	B. Williams	S. W. Henderson	S. W. Henderson	1901	41	--	2.6
682	2 $\frac{1}{2}$ miles southwest	do.	John Derm	--	1900	28	--	3.9
d/683	3 $\frac{1}{2}$ miles southwest	do.	W. P. A. test well	G. H. Cromack	1936	35	3	--
684	4 miles southwest	do.	R. J. Felder	--	1934	16	--	5.3
d/685	4 $\frac{1}{2}$ miles southwest	P. E. Bean	W. P. A. test well	G. H. Cromack	1936	20	3	0
686	4 $\frac{1}{4}$ miles southwest	B. Williams	do.	do.	1936	33	3	0
687	1 $\frac{1}{2}$ miles south	J. M. Mora	Mary Henson	--	--	22	24	2.9
688	1 mile south	do.	W. P. A. test well	G. H. Cromack	1936	12	3	0
689	2 $\frac{1}{2}$ miles southeast	do.	D. E. Spencer	--	1928	24	36	3.3
690	do.	John Durst	Mrs. Ellamae McCullough	--	--	17	--	4.2
691	3 $\frac{1}{4}$ miles southeast	do.	W. E. Bailey	--	--	33	24	4.1
692	3 miles southeast	S. A. Duncan	W. P. A. test well	G. H. Cromack	1936	31	3	0
d/692a	do.	do.	-- McCarty	Alto Oil & Gas Co.	1920	2,557	--	--
693	5 $\frac{1}{2}$ miles south	do.	Tom Niker	--	--	19	30	2.4
d/693a	5 miles south	do.	-- Blanton	Texowa Oil Co.	--	470	--	--
694	4 $\frac{1}{2}$ miles southeast	John Durst	G. M. Harry	G. M. Harry	1934	24	36	5.2
695	7 $\frac{1}{2}$ miles southeast	do.	Mrs. Georgie Martin	--	1927	35	42	2.9
696	5 $\frac{1}{2}$ miles southeast	S. A. Duncan	W. P. A. test well	G. H. Cromack	1936	41	3	0
697	5 miles southeast	do.	Ollie Campbell	Ollie Campbell	1932	15	--	3.0
698	5 miles south	do.	W. P. A. test well	G. H. Cromack	1936	39	3	0

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

^{b/} T, turbine; A, air-lift; C, cylinder; B, bucket; E, electric; G, gasoline engine; W, windmill; H, hand; number indicates horsepower.

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/	Use of water	Remarks
	Depth below measuring point (feet)	Date of measurement			
676a	--	--	None	N	Oil test well. See log.
677	--	--	None	N	See log.
678	18.0	June 3, 1936	None	N	Do.
679	19.7	June 11, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails.
680	18.0	June 1, 1936	None	N	See log.
681	29.5	June 26, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails and can not be bailed dry.
682	24.5	do.	B,H	D,S	Dug well with wood curb and no casing. Gets very low in dry weather.
683	--	--	None	N	See log.
684	9.8	June 11, 1936	B,H	D	Dug well; wood curb; no casing. Never fails but can be bailed dry in $\frac{1}{2}$ hour.
685	--	--	None	N	See log.
686	27.0	June 5, 1936	None	N	Do.
687	10.7	May 14, 1936	B,H	D,S	Dug well; brick curb; 7 feet brick casing at top. Never fails. Drawdown 1 foot after bailing for 8 hours.
688	6.0	June 1, 1936	None	N	See log.
689	18.5	May 8, 1936	B,H	D,S	Dug well with wood curb and 9 feet of brick casing at top. Never fails.
690	9.5	May 21, 1936	B,H	D,S	Dug well with brick curb and no casing. Gets low in summer.
691	21.9	do.	B,H	D,S	Dug well; cement curb; tile casing, top to bottom. Never fails but can be bailed dry in 3 hours.
692	12.0	May 22, 1936	None	N	See log.
692a	--	--	None	N	Oil test well. See log.
693	12.2	May 22, 1936	B,H	D,S	Dug well; brick curb; 3 feet brick casing at top. Never fails but gets low in dry weather.
693a	--	--	None	N	Oil test well. See log.
694	21.9	May 21, 1936	B,H	D	Dug well; wood curb; 10 feet plank casing at bottom. Never fails. Reported slight taste of sulphur.
695	33.1	June 2, 1936	B,H	D,S	Dug well; brick curb; 17 feet plank casing at bottom. Can be bailed dry in $\frac{1}{2}$ hour and gets low in summer.
696	37.0	May 19, 1936	None	N	See log.
697	11.9	May 21, 1936	B,H	D	Dug well with wood curb and no casing. Never fails.
698	33.0	May 19, 1936	None	N	See log.

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

d/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Alto	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
699	5 miles south	N. Ragsdale	T. P. A. test well	G. H. Cromack	1936	25	3	0
700	do.	T. J. Jones	Ernest Felder	Ernest Felder	1934	53	36	3.1
701	6 miles southwest	C. E. Dishler	T. P. A. test well	G. H. Cromack	1936	47	3	0
702	7 $\frac{1}{2}$ miles southwest	J. Harris	do.	do.	1936	10	3	0
703	5 miles south	S. A. Duncan	Cherokee Land & Irrigation Co.	--	1911	42	8	2.4
704	6 miles southeast	G. W. O'Neal	G. W. O'Neal	--	1930	30	36	5.3
705	do.	George W. Wood	W. P. A. test well	G. H. Cromack	1936	48	3	0
706	6 $\frac{1}{2}$ miles southeast	W. T. Bevil	Major Robinson	Major Robinson	1932	20	--	3.1
707	8 miles southeast	I. & G. M. R. R.	E. R. McClain	E. R. McClain	1925	34	42	3.1
d/708	do.	W. H. Cherry	T. P. A. test well	G. H. Cromack	1936	22	3	--
709	6 $\frac{1}{2}$ miles south	J. T. Smith	Mrs. Lilly Spears	J. E. Spears	1926	43	30	3.2
710	7 miles south	M. J. Barsola	T. P. A. test well	G. H. Cromack	1936	25	3	0
711	7 $\frac{1}{2}$ miles south	do.	E. G. Williams	E. G. Williams	1914	28	--	3.1
712	7 $\frac{1}{2}$ miles southeast	J. N. Boden	W. P. A. test well	G. H. Cromack	1936	53	3	0
d/713	8 miles south	M. J. Barsola	do.	do.	1936	43	3	0
714	8 $\frac{1}{4}$ miles south	J. N. Boden	Louis Latham	--	1906	49	--	3.2
715	9 miles south	B. Williams	J. F. Magrill	--	1916	58	36	5.4
716	do.	do.	Chronister Lbr. Co.	--	--	50	36	3.1
717	9 $\frac{1}{2}$ miles southeast	J. N. Boden	J. F. Barker	J. F. Barker	1911	36	24	3.1
718	do.	do.	Ben F. Bailey	Ben F. Bailey	1920	28	36	2.9
719	11 miles southeast	J. Bowman	W. P. A. test well	G. H. Cromack	1936	26	3	0
720	10 $\frac{1}{2}$ miles southeast	John Durst	C. Holsomback	--	--	42	36	3.0
721	11 miles southeast	do.	J. W. & W. R. Ellerbee	J. W. & W. R. Ellerbee	1906	43	--	3.9
722	13 miles southeast	J. Bowman	P. O. Stokes	--	--	28	36	3.0
723	15 miles southeast	John Durst	T. B. Warner	--	--	39	48	3.2

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

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

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/ c/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measur- ment			
699	17.0	June 11, 1936	None	N	See log.
700	51.3	do.	B,H	D,S	Dug well with brick curb and brick casing from top to bottom. Never fails.
701	42.0	June 5, 1936	None	N	See log.
702	8.0	do.	None	N	Do.
703	37.3	May 13, 1936	B,H	D,S	Dug well with wood curb and tile casing from top to bottom. Never fails.
704	29.0	May 21, 1936	B,H	D,S	Dug well; wood curb; 17 $\frac{1}{2}$ feet cement casing at bottom. Can be bailed dry in 1 $\frac{1}{2}$ hours and gets low in summer.
705	45.0	May 20, 1936	None	N	See log.
706	15.2	May 21, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 1 $\frac{1}{2}$ hours.
707	32.0	do.	B,H	D,S	Dug well; brick curb; 7 feet brick casing at top. Never fails but can be bailed dry in 3 to 4 hours.
708	--	--	None	N	No water. See log.
709	41.0	May 13, 1936	B,H	D,S	Dug well; wood curb; 10 feet plank casing at bottom. Never fails but can be bailed dry in $\frac{1}{2}$ hour.
710	20.0	May 18, 1936	None	N	See log.
711	21.1	May 13, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails and can not be bailed dry.
712	30.0	--	None	N	See log.
713	--	--	None	N	Do.
714	47.1	May 20, 1936	B,H	D,S	Dug well; wood curb; no casing. Failed in 1933 and permanent supply found 3 feet deeper.
715	56.8	May 13, 1936	B,H	D,S	Dug well; wood curb; 20 feet plank casing at bottom. Can be bailed dry in $\frac{1}{2}$ hour. Too low for use in summer.
716	46.5	May 15, 1936	B,H	D,S	Dug well; cement curb; 7 feet wood casing at bottom. Never fails.
717	23.5	May 18, 1936	B,H	D,S	Dug well with wood curb and brick casing from top to bottom. Never fails.
718	21.9	do.	B,H	D,S	Dug well; wood curb; 8 feet brick casing at top. Never fails but can be bailed dry in 4 hours.
719	19.0	May 21, 1936	None	N	See log. Slightly mineralized.
720	39.0	May 18, 1936	B,H	D,S	Dug well; wood curb; 11 feet brick casing at top. Never fails but can be bailed dry in 3 $\frac{1}{2}$ hours.
721	30.2	do.	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 2 hours.
722	26.1	do.	B,H	D,S	Dug well with wood curb and 14 $\frac{1}{2}$ feet brick casing at bottom. Can be bailed dry in $\frac{1}{2}$ hour.
723	31.8	May 20, 1936	B,H	D,S	Dug well with wood curb and 6 $\frac{1}{2}$ feet of brick casing at top. Never fails.

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

d/ No water sample collected for analysis.

Records of wells in Cherokee County--Continued

No.	Distance from Alto	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
724	13 $\frac{1}{2}$ miles southeast	John Durst	Dr. Jim Hill	--	1906	19	--	2.6
725	12 $\frac{1}{2}$ miles southeast	J. Bowman	E. E. Bailey	--	--	43	24	3.2
726	11 $\frac{1}{2}$ miles southeast	do.	W. H. Bailey	W. H. Bailey	1953	39	36	3.0
727	12 $\frac{1}{2}$ miles southeast	do.	R. E. Lee	W. J. Lee	1930	16	36	3.1
728	13 $\frac{1}{2}$ miles southeast	--	City of Walls	Niel Scroggins	1935	400	8	--
729	12 $\frac{1}{2}$ miles southeast	W. R. Newman	E. R. Spinks	--	--	21	36	2.8
730	10 $\frac{1}{2}$ miles southeast	J. N. Boden	Mrs. N. W. Sanders	--	--	34	18	2.3
731	do.	B. Williams	Miller Dial	--	--	15	--	3.2
732	10 $\frac{1}{2}$ miles south	do.	W. P. A. test well	G. H. Cromack	1936	23	3	0
d/733	11 miles south	do.	do.	do.	1936	17	3	0
734	12 miles southeast	Maria del C. Liego	Littlejohn & Simpson	--	--	18	36	3.1
735	12 $\frac{1}{2}$ miles southeast	do.	L. L. Simpson	L. D. Straton	1934	22	36	2.9
736	14 miles southeast	J. H. Holland	B. Y. Goodwin	B. Y. Goodwin	1924	21	36	3.8
737	13 $\frac{1}{2}$ miles southeast	--	J. L. Reese	--	--	16	30	2.2
738	13 miles southeast	W. R. Newman	A. C. Chandler	--	1890	23	48	3.0

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

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

G. H. Cromack, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measure- ment			
724	14.2	May 20, 1936	B,H	D,S	Dug well with wood curb and no casing. Never fails but can be bailed dry in 1 hour.
725	37.8	May 18, 1936	B,H	D,S	Dug well; wood curb; brick casing, top to bottom. Never fails but can be bailed dry in 1 1/2 hours.
726	33.4	May 20, 1936	B,H	D,S	Dug well with wood curb and brick casing from top to bottom. Never fails. Reported sour taste.
727	8.6	do.	B,H	D,S	Dug well; wood curb; 9 feet plank casing at top. Never fails but can be bailed dry in 3 1/2 hours.
728	--	--	T,G	P	Drilled well. Supplies town of Wells. See log.
729	14.6	May 15, 1936	B,H	D,S	Dug well with cement curb and brick casing from top to bottom. Never fails.
730	21.4	do.	B,H	D,S	Dug well with wood curb and brick casing from top to bottom. Never fails.
731	12.2	May 13, 1936	B,H	D	Dug well with wood curb and no casing. Never fails but can be bailed dry in 2 hours.
732	20.0	do.	None	N	See log.
733	--	--	None	N	Do.
734	10.5	May 19, 1936	B,H	D,S	Dug well; wood curb; brick casing, top to bottom. Never fails but can be bailed dry in 1 hour.
735	16.2	do.	B,H	D,S	Dug well; wood curb; brick casing, top to bottom. Can be bailed dry in 1/2 hour and weak in dry weather.
736	10.8	do.	B,H	D,S	Dug well with wood curb; brick casing, top to bottom. Never fails but can be bailed dry in 3 hours.
737	9.0	do.	B,H	D,S	Dug well with wood curb and tile casing from top to bottom. Never fails.
738	12.3	do.	B,H	D,S	Dug well with wood curb and 11 feet of plank casing at top. Never fails but can be bailed dry in 3 hours

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

d/ No water sample collected for analysis.

Table of Drillers' Logs, Cherokee County, Texas.

Driller's log of well 156.

Garrett and Barbier, Well No. 1. Located at Love's Lookout, $4\frac{1}{2}$ miles north of Jacksonville.

	Thickness (feet)	Depth (feet)
Sandy soil- - - - -	6	6
Rock- - - - -	2	8
Red rock and hard sand- -	7	15
Blue and yellow hard sand	5	20
Blue rock - - - - -	11	31
Rotten green shale- - - -	6	37
Rock- - - - -	1	38
Rotten green shale- - - -	7	45
Rock- - - - -	2	47
Blue rock - - - - -	21	68
Brown clay and hard layers of fine sand- - - - -	74	142
Brown sand- - - - -	83	225
White salt and pepper sand	73	298
Shale and sand- - - - -	25	323
Sand- - - - -	40	363
Shale - - - - -	26	389
Hard shale- - - - -	15	404
Brown shale - - - - -	80	484
Rock- - - - -	1	485
Boulders- - - - -	2	487
Brown shale - - - - -	63	550
Rock and boulders - - - -	8	558
Boulders and shale- - - -	10	568
Shale and boulders- - - -	48	616
Tough shale- - - - -	5	621
Shale- - - - -	22	643
Fine sand - - - - -	28	671
Shale- - - - -	17	688
Shale and shells- - - - -	67	755
Tough shale- - - - -	18	773
Shale and shells- - - - -	22	795
Shale- - - - -	40	835
White sand - - - - -	11	846
Sand and lignite (coal) -	22	868
Broken layers of sand lignite and shale- - - -	57	925
Lignite coal- - - - -	10	935
Tough shale - - - - -	17	952
Shale and shells- - - - -	24	976
Rock- - - - -	3	979
Tough shale - - - - -	23	1002
Shale- - - - -	23	1025

CASING RECORD: 228 feet of 16 inch; 8 inch screen from 248 feet to 290 feet; 8 inch casing, 290 to 329; 8 inch screen, 329 to 366; 8 inch casing, 366 to 388 feet, with nipple and plug on bottom. Gravel-wall well with 30 cubic yards of gravel.

Driller's log of well 160-A

Jacksonville Development Company located at east side of Ward School in Jacksonville.

	Thickness (feet)	Depth (feet)
Soil and sand- - - - -	22	22
Shale- - - - -	20	42
Rock and shale - - - - -	7	49
Rock- - - - -	2	51
Rock and shale- - - - -	10	61
Rock, shale and lignite- -	9	70
Fine sand- - - - -	30	100
Sand and shale - - - - -	29	129
Gumbo- - - - -	10	139
Muddy sand and lignite - -	116	255
Sand and streaks of lig- nite- - - - -	30	285
Sandy clay- - - - -	9	294
Gumbo- - - - -	10	304
Fine sand - - - - -	72	376
Gumbo- - - - -	25	401
Sand and streaks of clay	28	429
Hard sand and gravel - - -	31	460
Gumbo- - - - -	27	487
Clay and rock- - - - -	2	489
Gumbo- - - - -	12	501
Rock- - - - -	1	502
Gumbo- - - - -	75	577
Hard fine sand - - - - -	21	598
Clay - - - - -	8	606
Sand - - - - -	15	621
Clay - - - - -	4	625
Fine sand- - - - -	33	658
Good packed sand - - - - -	40	698
Sand and rock- - - - -	5	703
Rocks and clay - - - - -	43	746
Clay and streaks of lignite	32	778
Clean lignite- - - - -	8	786
Clay- - - - -	8	794
Lignite - - - - -	29	823
Clay - - - - -	10	833
Lignite- - - - -	10	843
Sandy clay and lignite - -	16	859
Rock- - - - -	2	861
Gumbo and gravel - - - - -	30	891

CASING RECORD: 8 inch to 306 feet; 8 inch screen, 306 to 378; 8 inch casing, 378 to 402; 8 inch screen, 402 to 430; 8 inch casing, 430 to 577; 8 inch screen, 577 to 598; 8 inch casing, 598 to 606; 8 inch screen, 606 to 621; 8 inch casing, 621 to 625; 8 inch screen, 625 to 702, 8 inch casing, 702 to 712 feet.

Table of Drillers' Logs, Cherokee County--Continued

Driller's log of well 161-A
Texas and New Orleans Railway Well at
Bonner Street Crossing in Jacksonville.

	Thickness (feet)	Depth (feet)
Sand rock- - - - -	23	23
Lignite- - - - -	3	26
Quicksand- - - - -	5	31
Blue clay- - - - -	32	63
Iron rock- - - - -	12	75
Black marl - - - - -	52	127
Sandy clay - - - - -	40	167
Sand rock- - - - -	19	186
Hard sandy clay- - - - -	58	244
Water-bearing white sand -	43	287
Soft sandy clay- - - - -	60	347
Fine packed sand - - - - -	53	400
Loose sand, water- - - - -	23	423

Log of Well 205-A
Humphreys Corporation's, Thompson No. 1,
in northeast corner of Williams F.
Williams Survey, Diamond core test.
Altitude 466 feet.

Clay and sand- - - - -	24	24
Glauconite with very few fossils- - - - -	6	30
Glauconite with fossils more plentiful- - - - -	23	53
Brown sand and silt- - - - -	20	73
No recovery. 1½ inch layer ironstone at 78 feet - -	10	83
Small layers glauconite- -	4	87
Brown shale with laminated gray micaceous sand- - -	5	92
Brown shale with cross-bed- ded laminae of gray sand. Glauconite in stringers at 94, 97, 97½ and 98 feet- -	10	102
Brown shale with irregular laminae of gray sand. Glau- conite stringers at 102, 103, 109½, and 111 feet- - - -	9	111
Sand and clay with brown laminated shale contain- ing plant remains- - - -	4	115
Gray micaceous sand, with much silt and few thin lay- ers of shale- - - - -	18	133
Brownish-gray laminated sand and shale- - - - -	10	143
Brown sand and shale- - -	10	153
Brown shale with laminae of sand- - - - -	10	163
Gray sand- - - - -	40	203
Gray sand and shale with plant remains- - - - -	10	213
Gray silty sand - - - - -	10	223
No recovery, sand - - - - -	95	318

Log of Well 205-A --Continued.

	Thickness (feet)	Depth (feet)
Gray clay with irregular lenses of gray sand, con- taining plant remains- - -	3	321
Brown shale with irregular lenses of sand, thin stringers of impure glau- conite- - - - -	10	331
Brownish-gray shale with laminae of sand, numerous slip joints in clay- - -	10	341
Gray clay with few layers of brown shale and gray sand- - - - -	13	354
Gray shale with laminae of sand- - - - -	10	364
Brown shale with laminae of sand- - - - -	16	380
No recovery, sand- - - - -	4	384
Gray shale with laminae of sand, few thin layers of glauconite at 388½ and 389 feet- - - - -	5	389
Brown shale with laminae of sand and stringers of glau- conite fossil casts at 398	10	399
Same as 389 and 399- - - -	10	409
Brown shale with laminae of sand, fossil casts, clay ironstone at 410- - - - -	1	410
Impure sandy glauconite containing few fossils -	4	414
Brown shale with few fossils and some sand- - - - -	8	422
Brown sandy shale containing thin stringers glauconite and fossils- - - - -	10	432
Brown sandy shale with lens- es of glauconite fossils, echinoid spines- - - - -	15½	447½
Gray shale containing small fossils- - - - -	22½	470
Glauconite containing many fossils including bryon- zoans- - - - -	13	483
Brown shale with laminae of gray sand, fossiliferous	5	488
Brown sandy shale with glau- conite lenses- - - - -	10	498
Brown sandy shale with fos- sils- - - - -	6	504
Brown sandy shale with stringers of glauconite-	19	523
Sand with glauconite string- ers, fossiliferous- - -	8	531
Sand, no recovery, white sand in cuttings- - - - -	23	554

Table of Drillers' Logs, Cherokee County--Continued

Partial driller's log of well 324-A
Kirby Petroleum Company, Comer Sessions
No. 1, Jose Musquez Survey, 8 miles
east of Rusk. Altitude 316.

	Thickness (feet)	Depth (feet)
Clay- - - - -	6	6
Red sand- - - - -	54	60
Clay- - - - -	8	68
Sand- - - - -	37	105
Clay- - - - -	7	112
Sand- - - - -	135	247
Clay- - - - -	4	251
Shale- - - - -	37	288
Sand- - - - -	5	293
Shale - - - - -	17	310
Sandy shale - - - - -	22	332
Sand rock - - - - -	22	354
Lime shells - - - - -	1	355
Sandy shale - - - - -	17	372
Sand- - - - -	12	384
Shale - - - - -	36	420
Sandy shale and boulders-	70	490
Lime shells- - - - -	1	491
Shale- - - - -	24	515
Hard sand- - - - -	7	522
Sandy shale- - - - -	12	534
Lime shells- - - - -	2	536
Sandy shale- - - - -	110	646
Hard sand- - - - -	12	658
Sandy shale- - - - -	8	666
Hard lime- - - - -	1	667
Lime shells- - - - -	1	668
Sandy shale- - - - -	110	778
Sand- - - - -	48	826
Sticky shale- - - - -	15	841
Sand- - - - -	12	853
Lime shells - - - - -	1	854
Sandy shale and boulders	325	1182
Hard sand- - - - -	5	1187
Sticky shale- - - - -	49	1236
Lime shells- - - - -	4	1240
Sand and boulders- - - - -	85	1325
Sticky shale- - - - -	37	1362
Sand- - - - -	65	1427
Sticky shale- - - - -	21	1448
Sandy shale- - - - -	128	1576
Lime rock- - - - -	2	1578
Sand rock- - - - -	13	1591
Hard sand- - - - -	14	1605
Sandy shale and boulders-	103	1708
Sandy shale- - - - -	44	1752

Log of well 324-A Continued

	Thickness (feet)	Depth (feet)
Sand and boulders- - - - -	21	1779
Sticky shale- - - - -	112	1891
Sand and boulders- - - - -	8	1899
Sand rock- - - - -	7	1906
Shale and boulders - - - - -	92	1998
Hard sand- - - - -	28	2026
Shale- - - - -	119	2145
Shale and boulders - - - - -	196	2341
Sticky shale - - - - -	25	2366
Lime and boulders- - - - -	135	2491
TOTAL DEPTH - - - - -		4500

Driller's log of well 402-A
Located near City Hall in City of Rusk.

soil and clay- - - - -	20	20
Sand and gravel (dry)- - - - -	30	50
Clay- - - - -	213	263
Clay and gravel- - - - -	50	313
Fine sand- - - - -	21	334
Clay- - - - -	11	345
Sand- - - - -	1	346
Hard sandy clay- - - - -	21	367
Hard clean sand- - - - -	88	455
Clay- - - - -	28	483
Fine muddy sand- - - - -	40	523
Clay- - - - -	85	608
CASING RECORD: 8 inch to 367 feet; 88 feet of 8 inch screen; 10 feet of 8 inch standard pipe.		

Driller's log of well 658
City well in City of Alto.

Surface soil- - - - -	2	2
Clay- - - - -	12	14
Black sand- - - - -	32	46
Hard rock- - - - -	2	48
Oil shale and green sand-	10	58
Gray water sand- - - - -	55	113
Gray sand and lignite- - - - -	23	136
Brown sandy shale- - - - -	86	222
Gumbo- - - - -	20	242
Rock- - - - -	1	243
Shale and boulders- - - - -	27	270
Gumbo- - - - -	10	280
Gummy shale- - - - -	17	297
Rock- - - - -	2	299
Shale- - - - -	3	302
Rock- - - - -	1	303
Blue shale- - - - -	34	337
Sand rock- - - - -	2	339
Shale- - - - -	3	342
Sand rock- - - - -	1	343

Table of Drillers' Logs, Cherokee County--Continued

Log of well 658--Continued

	Thickness (feet)	Depth (feet)
Shale- - - - -	2	345
Hard rock- - - - -	1	346
Gumbo- - - - -	14	360
Broken formation - - - - -	44	404
Shale- - - - -	3	407
Rock - - - - -	1	408
Shale- - - - -	3	411
Rock - - - - -	1	412
Shale, streaks of sand - - -	32	444
Gumbo- - - - -	27	471
White water sand - - - - -	85	556
Gumbo- - - - -	1	557

LOGGING RECORD: 223 feet of 10 inch line pipe, one 10 inch by 8 inch swage nipple; 234 feet of 8 inch line pipe, 45 feet of 6 inch line pipe; 65½ feet of 6 inch screen with nipple on bottom. 8 inch pipe overlaps 6 inch pipe 12 feet.

Partial driller's log of well 676-A

W. A. Stone, E. M. Decker No. 1, in George Ruddle Survey, 7 miles southwest of Alto.

No record- - - - -	643	643
Water sand, gray- - - - -	82	725
Gumbo- - - - -	40	765
Rock- - - - -	17	782
Sandy shale and boulders- -	45	827
Shale and gumbo- - - - -	13	840
Rock- - - - -	5	845
Sandy shale - - - - -	143	988
Sand rock- - - - -	3	991
Sandy shale- - - - -	104	1095
Gumbo- - - - -	30	1125
Sandy shale- - - - -	95	1220
Lime rock- - - - -	3	1223
Sandy shale - - - - -	10	1233
Lime rock- - - - -	4	1237
Sticky shale and lime - - -	75	1312
Sandy shale at- - - - -	65	1377
Broken lime- - - - -	3	1380
Lime rock- - - - -	2	1382
Gumbo tough- - - - -	43	1425
Rock (cored)- - - - -	17	1442
Sandy shale - - - - -	88	1530
Lime rock- - - - -	4	1534
Shale- - - - -	13	1547
Sand- - - - -	27	1574
Sandy shale- - - - -	46	1620
Gumbo- - - - -	30	1650
Sandy shale- - - - -	40	1690
Sand- - - - -	105	1795
Sandy shale- - - - -	32	1827
Lime rock- - - - -	2	1829
Shale- - - - -	45	1874
Sandy shale - - - - -	13	1887

Log of well 676-A--Continued

	Thickness (feet)	Depth (feet)
Sand- - - - -	33	1920
Sandy shale and lime - - -	180	2100
Lime rock- - - - -	3	2103
Gumbo- - - - -	97	2200
Sandy shale and lime - - -	40	2240
Gumbo- - - - -	30	2270
Sandy shale and lime - - -	28	2298
Lime rock- - - - -	2	2300
Sandy shale and lime - - -	160	2460
Sticky shale- - - - -	40	2500
TOTAL DEPTH- - - - -		5476

LOGGING RECORD: 2000 feet of 8 inch and 742 feet of 10 inch.

Driller's log of well 692-A

Alto Oil and Gas Company, McJarty No. 1, 3 miles southeast of Alto.

Surface clay- - - - -	30	30
Lignite- - - - -	6	36
Gumbo- - - - -	10	46
Water sand- - - - -	6	52
Hard shale, boulders - - -	23	75
Gumbo- - - - -	9	84
Shale- - - - -	11	95
Gumbo - - - - -	20	115
Hard sand - - - - -	11	126
Shale- - - - -	54	180
Shale and boulders- - - -	20	200
Rock- - - - -	2	202
Hard shale- - - - -	43	250
Gumbo - - - - -	22	272
Water sand- - - - -	20	292
Gumbo - - - - -	33	325
Sand and boulders - - - -	22	347
Gumbo- - - - -	8	355
Water sand- - - - -	10	365
Gumbo- - - - -	35	400
Gumbo and boulders- - - -	50	450
Gumbo- - - - -	12	462
Shale, gas - - - - -	4	466
Gumbo - - - - -	19	485
Shale and boulders- - - -	5	490
Gumbo- - - - -	5	495
Rock- - - - -	2	497
Gumbo- - - - -	73	570
Water sand- - - - -	44	614
Sand, hard - - - - -	61	675
Shale, oil show- - - - -	42	717
Water sand- - - - -	30	747
Gumbo- - - - -	3	750
Sand- - - - -	6	756
Gumbo- - - - -	4	760
Shale and sand, oil and gas	10	770
Gumbo- - - - -	4	774
Boulders and sand- - - -	32	806
Gumbo- - - - -	18	824

Table of Drillers' Logs, Cherokee County--Continued

Log of well 692-A--Continued

	Thickness (feet)	Depth (feet)
Sand and boulders-	6	830
Gumbo-	7	837
Gray shale, lignite-	78	915
Calcareous sandstone	1	916
Gray shale-	34	950
Calcareous sandstone	1	951
Sandy, Calcareous gray shale, concretions-	34	985
Gray shale, brown concretions	15	1000
Lignite-	7	1007
Brown shale, lignite, con- cretions-	42	1049
Sandy shale and shale-	38	1087
Sandstone-	5	1092
Sandy shale and boulders	33	1125
Sandstone-	3	1128
Sandy shale and hard sand-	76	1204
Sandstone-	4	1208
Hard sand-	15	1223
Dark gumbo	12	1235
Sandstone and lignite, <i>etc</i>	8	1243
Sandstone-	1	1244
Shale and gumbo, lignite	13	1257
Shale rough spots-	23	1280
Sandstone-	2	1282
Gray sandy shale	20	1302
Sandstone-	2	1304
Shale and gumbo-	28	1332
Sandstone-	2	1334
Sandstone, soft, boulders-	23	1357
Sandstone-	5	1362
Sand and boulders-	36	1398
Sandstone-	2	1400
Sand and lignite	6	1406
Sandstone-	12	1418
Packed sand-	13	1431
Sandstone-	19	1450
Gumbo-	10	1460
Shale-	8	1468
Gumbo-	10	1478
Hard shale and boulders-	27	1505
Hard sand-	20	1525
Sandy shale, lignite	43	1568
Sand and boulders-	62	1630
Gumbo-	4	1634
Hard sandy shale, lignite-	33	1667
Sandy shale-	10	1677
Hard sand and boulders	36	1713
Gumbo-	47	1760
Sandy shale-	55	1815
Gumbo-	5	1820
Sandy shale-	30	1850
Soft sandstone-	17	1867
Rock	4	1871

Log of well 692-A--Continued

	Thickness (feet)	Depth (feet)
Hard sand-	19	1890
Sandy shale, boulders-	30	1920
Hard sand-	13	1933
Sand and boulders-	13	1946
Shale and sand	9	1955
Gumbo-	35	1990
Hard sand, some gas-	63	2053
Sand and gumbo-	12	2065
Hard sand-	10	2075
Hard sand-	63	2138
Gumbo, sand and boulders	84	2222
Hard sand-	40	2262
Some hard sand, some black shale-	162	2424
Black shale (showing a little live oil)-	10	2434
Hard water sand-	119	2553
Gumbo-	4	2557
TOTAL (?) DEPTH-		2557

Driller's log of well 693-A
Tosona Oil Company, Blenton No. 1.,
S. A. Duncan Survey, 5 miles south of
Alto.

Surface sand-	12	12
Water sand-	2	14
Shale-	52	66
Lime gray-	12	78
Shale and pebbles (pea to pecan size)-	27	105
Water sand-	16	121
Red shale	27	148
Hard lime-	2	150
Brown shale	40	190
Rotten shale (resembles gumbo)-	15	205
Sandy stone or slate-	27	232
Water sand-	9	241
Earthy shale clayey kind of marl-	12	253
Sand	5	258
Gray shale-	26	284
Brown shale (showing shale)	5	289
Gray shale-	26	315
Brown shale (showing of gas and oil)-	15	330
Lime shale sandy-	30	360
Lime shale	12	372
Lime shale sandy-	10	382
Shale gray and black-	58	440
Gray lime-	3	443
Black lime	10	453
Gray shale	17	470

Driller's log of well 728

City of Wells, owner.

Surface soil-	15	15
Surface water sand-	4	19
Broken clay and sandy shale	46	65
Clay and shale-	36	101
Brown shale with broken gravel-	77	178

Water sand-	25	203
Sandy shale-	97	300
Water sand-	86	386
Shale-	4	400
301 feet of 8 inch casing with cement seal and 6 inch perforated liner to the bottom.		

Logs of test wells drilled by W. P. A. labor in Cherokee County, Texas.
 Samples examined and classified by G. H. Cromack,
 Project Superintendent.

Well 4.

Center of south boundary of R. E. Clayborn, 85 acre tract, John Walker Survey 13 $\frac{1}{2}$ miles northeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Brown sand- - - - -	1	1
Brown sandy clay- - - - -	2	3
Clay and small gravel - - -	1	4
Brown sandy clay- - - - -	6	10
Struck rock at 10 feet.		
Struck water at 4 feet.		

Well 6

On gently sloping hillside at center of north line of W.H. Varbrough 48 acre tract in John Walker Survey, 12 miles northwest of Jacksonville.

	Thickness (feet)	Depth (feet)
Light sand- - - - -	1	1
Light brown clay with gravel	4	5
Red clay- - - - -	2	7
Light brown clay with rock-	1	8
Rock- - - - -		
Struck water at 7 feet.		
Struck rock at 8 feet.		

Well 14

On hillside slope from table land in center of Solon Stanley 168 acre tract in T. Timmons Survey, 9 $\frac{1}{2}$ miles northwest of Jacksonville.

	Thickness (feet)	Depth (feet)
Red sand- - - - -	5	5
Brown and gray sandy clay -	1	6
Yellowish brown sand- - - -	4	10
Brown and gray sandy clay -	6	16
Brown sandy clay- - - - -	2	18
Grayish white sand- - - - -	1	19
Brown sand- - - - -	4	23
Struck water at 16 feet.		

Well 18

On gently sloping ridge top at southwest corner of W. Y. Forest 130 acre tract, in Jas. Cobb Survey, 5 miles northwest of Jacksonville.

	Thickness (feet)	Depth (feet)
Red sandy clay- - - - -	3	3
Brown sandy clay- - - - -	7	10
Yellow and gray sandy clay-	5	15
Brown sand and gravel- - -	7	22
Brown sand- - - - -	3	25
Reddish sand and clay - - -	2	27
Red, brown, and white sand- -	1	28
Brown sand and gravel- - -	3	31
Struck water at 28 feet.		
Struck rock at 31 feet.		

Well 29

On gentle hillside slope at northeast corner of J. D. Molar 123 acre tract in C. M. Hill Survey, 7 miles northeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Brown sandy clay- - - - -	4	5
White sand- - - - -	2	7
Brown sand- - - - -	2	9
Brown and white sand- - - -	2	11
Yellow sand - - - - -	2	13
White and tan sand- - - - -	3	16
Water at 8 feet.		

Well 33

On flat land at west line of J. W. Gray 109 acre tract in W. Ragland Survey, 11 $\frac{1}{2}$ miles north of Jacksonville.

	Thickness (feet)	Depth (feet)
Light brown sand- - - - -	1	1
Light brown sand and clay -	1	2
Red and brown clay- - - - -	2	4
Brown sand and clay - - - -	2	6
Hard brown sand- - - - -	1	7
Pure salt and pepper sand--	1	8
Brown sand- - - - -	1	9
Brown and white sand- - - -	1	10
Light brown and white sand-	1	11
Reddish brown and white sand	1	12
White sand- - - - -	2	14
Brown and white sand- - - -	1	15
White sand and chocolate clay	3	18
Brown and white sand- - - -	2	20
White sand- - - - -	1	21
Brown and white sand- - - -	2	23
Water at 21 feet.		

Well 35

On flat hilltop at center of south line of P. A. Musselwhite farm in S. Blanton Survey, 12 miles northeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Brown sandy clay - - - - -	4	5
Reddish brown clay - - - - -	3	8
Red clay and white sandy clay	4	12
Reddish brown and white sandy clay- - - - -	3	15
Brown clay and iron ore gravel	2	17
Brown, pink and white sand-	1	18
Brown sandy clay- - - - -	1	19
Reddish brown sand- - - - -	3	22
Tan sand and gray plastic clay	3	25
White sand- - - - -	1	26
Tan sand and plastic clay- =	2	28

Logs of test wells in Cherokee County--Continued

Well 35--Continued

	Thickness (feet)	Depth (feet)
Yellow and white sand -	3	31
Brown sand - - - -	1	32
Dark brown sand, iron ore and gravel rock - - -	3	35
No water.		

Well 39

On ridge top at center of west line of J. W. Hensley, 82 acre tract, in J. T. Jones Survey, 10 miles northeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand - - - -	1	1
Brown sandy clay - -	2	3
Red and white sandy clay	6	9
Brown and white sandy clay	4	13
Light sand - - - -	4	17
Water at 9 feet.		

Well 42

On edge of valley floor in southwest corner of D. B. Bralay 197 acre tract in J. Thomas Survey, 8 miles northeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface loam - - - -	1	1
Red clay - - - -	2	3
Brown clay - - - -	2	5
Fine white sand, clay, and brown shale - - -	3	8
Chocolate brown, sandy clay	1	9
Yellow and white sand -	1	10
Red sand - - - -	1	11
Green sand - - - -	3	14
Water at 10 feet.		

Well 45

On flat land at northeast corner of E. Odem 93 acre tract in C. Burnett Survey, 6½ miles northeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand - - - -	1	1
Brown sandy silt - -	3	4
Brown and white sand -	1	5
Red and white sand - -	1	6
Light brown sand - -	1	7
Brown and white sandy clay	1	8
Yellow sand - - - -	1	9
Reddish brown sand - -	1	10
Brown and white sand -	2	12
White sand and brown clay	3	15
White sand - - - -	2	17
Brown and white sand -	1	18
Red and white sand - -	1	19
Red sand and gravel -	2	21
Water at 19 feet.		

Well 56

On gentle slope at west edge of W. Darby 20 acre tract in Edson Gee Survey, 14½ miles northeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Red clay - - - -	3	3
Reddish brown clay - -	1	4
Reddish white clay - -	3	7
Red and white clay and brown sand - - - -	2	9
Brown and white sand -	2	11
Chocolate colored clay -	2	13
Water at 8 feet.		

Well 59

On rolling valley floor, in northeast corner of P. J. Reynolds 274 acre tract in J. E. Engledow Survey, 12½ miles northeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Brown clay and fine white sand	1	1
Red clay - - - -	2	3
Red and white clay - -	4	7
Light brown sandy clay -	2	9
Dark brown sandy clay -	1	10
Light brown sand - - -	4	14
Chocolate sand and clay	5	19
Greenish black sand and clay	1	20
Bluish green mud - - -	1	21
Water at 16 feet.		

Well 62

On hillside at center of west line of W. A. Adcock 132 acres in E. W. Hockett Survey, 10½ miles northeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand - - - -	1	1
Brown sandy clay - - -	3	4
Reddish brown sandy clay and iron ore gravel - -	2	6
Brown and gray clay - -	5	11
Chocolate gray clay - -	1	12
Chocolate yellow clay -	4	16
Greenish black sandy clay	3	19
Water at 12 feet.		

Well 66

On hilltop in northwest corner of J. A. Copeland 102 acre tract in Larkin Baker Survey, 14 miles northeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand - - - -	1	1
Brown clay - - - -	1	2
Red clay - - - -	2	4
Reddish brown and white clay	4	8
Brown and white clay -	3	11
Red, white, and chocolate clay - - - -	4	15
Chocolate clay - - -	3	18
Water at 15 feet.		

Logs of test wells in Cherokee County--Continued

Well 71

On table land at center of west line of D. Childress 56 acre tract in J. Hamilton Survey, 15 miles northeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Red clay- - - - -	1	1
Red and yellow clay - - - -	1	2
Red and white clay- - - - -	1	3
Red, white, and brown clay -	1	4
Brown clay- - - - -	1	5
Brown and chocolate clay- -	2	7
Chocolate clay- - - - -	3	10
Light brown clay- - - - -	3	13
Chocolate and yellow clay -	1	14
Water at 10 feet.		

Well 75

On top of small hillock at center of west line of J. C. Hamilton, 225 acre tract in J. Hamilton Survey, 15 $\frac{1}{2}$ miles northeast of Jacksonville.

Red sandy clay- - - - -	3	3
Brown sandy clay- - - - -	2	5
Red clay and white sand - -	2	7
Red and white clay- - - - -	3	10
White sandy clay- - - - -	1	11
White and yellow clay - - -	1	12
Red, brown, and white clay -	1	13
Yellow and chocolate clay -	2	15
Soft chocolate clay- - - - -	2	17
Water at 16 feet.		

Well 79

In small valley at southwest corner of R. R. Gray, 126 acre tract in J. M. Procella Survey, 17 $\frac{1}{2}$ miles northeast of Jacksonville.

Light brown sand- - - - -	2	2
Reddish brown clay- - - - -	1	3
Reddish clay and iron ore gravel- - - - -	1	4
Reddish brown sand- - - - -	3	7
White sand- - - - -	1	8
Reddish brown sand- - - - -	5	13
Light brown sand- - - - -	1	14
Brown sand- - - - -	2	16
Light tan sand- - - - -	2	18
Water at 15 feet.		

Well 87

On gentle rise in valley floor at northeast corner of J. D. Burton, 15 acre tract in Wesley Dykes Survey, 17 $\frac{1}{2}$ miles northeast of Jacksonville.

Brown sandy clay- - - - -	3	3
Light brown sand- - - - -	4	7

Well 87--Continued

	Thickness (feet)	Depth (feet)
Brown and pink sandy clay-	2	9
Reddish brown sand- - - - -	2	11
Light brown sand- - - - -	4	15
White sand- - - - -	4	19
Yellow sand- - - - -	1	20
Light pink sand- - - - -	4	24
Dark pink sand - - - - -	4	28
White sand - - - - -	1	29
Brown and white sand - - -	2	31
Water at 29 feet.		

Well 89

On hillside at southwest corner of W. S. Humphrey, 102 acre tract in D. Parker Survey, 16 miles northeast of Jacksonville.

Surface sand- - - - -	1	1
Reddish sandy silt- - - - -	1	2
Brown sand- - - - -	3	5
Fine white sand- - - - -	3	8
Tan sand- - - - -	3	11
Fine yellowish white sand-	2	13
Gray plastic ball clay- - -	1	14
Fine white sand- - - - -	2	16
Yellow sand- - - - -	1	17
White sand - - - - -	4	21
Tan sand- - - - -	3	24
Water at 22 feet.		

Well 94

On top of ridge at center of south line of Mrs. J. K. Simmons, 130 acres tract in W. Berryhill Survey, 14 $\frac{1}{2}$ miles east of Jacksonville.

Surface sand- - - - -	1	1
Red sandy clay- - - - -	3	4
Brown and white sandy clay-	3	7
Gray sandy surface clay- - -	2	9
Brown clay- - - - -	3	12
Water at 10 feet.		

Well 97

On top of ridge at northeast corner of Bernie Cannon 97 acre tract in W. Berryhill Survey, 14 $\frac{1}{2}$ miles east of Jacksonville.

Surface sand- - - - -	1	1
Brown sandy clay- - - - -	1	2
Brown and white sandy clay-	1	3
Red and white sand- - - - -	1	4
Yellow sandy silt- - - - -	1	5
Red and white sandy clay --	1	6
Brown sandy clay- - - - -	1	7
Chocolate clay- - - - -	5	12
Gray surface clay- - - - -	1	13

Logs of test wells in Cherokee County--Continued

Well 97--Continued

	Thickness (feet)	Depth (feet)
Gray, brown sand- - - - -	8	21
Water at 16 feet.		

Well 102

On hilltop at southeast corner of Patty Brothers 70 acre tract in G. A. Gordon Survey, 12 $\frac{1}{2}$ miles east of Jacksonville.

Brown sand- - - - -	5	5
Brown and white sand- - - - -	1	6
Red and white sand- - - - -	1	7
Brown and white sand- - - - -	1	8
Struck rock at 8 feet.		

Well 104

On flat land at northeast corner of S. W. Sewell farm in M. Kennedy Survey, 10 $\frac{1}{2}$ miles east of Jacksonville.

Gravel- - - - -	1	1
Red clay and gravel- - - - -	1	2
Red sandy clay- - - - -	2	4
Brown sandy silt- - - - -	11	15
Eluish, green sand- - - - -	2	17
Struck water at 15 feet.		

Well 106

On flat land at center of south line of J. B. Hicks 283 acre tract in Robert Stewart Survey, 12 $\frac{1}{2}$ miles east of Jacksonville.

Brown sandy clay- - - - -	3	3
Reddish sandy clay- - - - -	2	5
Brown sandy clay- - - - -	3	8
Red clay and white sand - - - -	1	9
Red sand- - - - -	1	10
Red and white sandy clay- - - -	8	18
Brown clay- - - - -	2	20
Struck water at 10 feet.		

Well 109

On flat land at southwest corner of W. T. Greenwood 100 acre tract in J. Kendricks Survey, 11 $\frac{1}{2}$ miles east of Jacksonville.

Surface sand- - - - -	2	2
Red and white sandy clay- - - -	4	6
Red, white, and brown sandy clay	3	9
Brown and white sandy clay- - -	2	11
Chocolate, gray plastic clay - -	3	14
Water at 2 feet.		

Well 111

On gently sloping hillside at southwest corner of H. C. Brown 78 acre tract in J. Hendricks Survey, 13 $\frac{1}{2}$ miles northeast of Jacksonville.

Surface sand- - - - -	1	1
Red sandy silt- - - - -	3	4

Well 111--Continued

	Thickness (feet)	Depth (feet)
Brown sand and silt- - - - -	3	7
Brown clay and white sand- - -	2	9
Brown and gray surface clay- -	4	13
Water at 10 feet.		

Well 113

On flat table land at center of south line of N. M. Corbin 50 acre tract in J. Kendrick Survey, 12 miles northeast of Jacksonville.

Surface sand- - - - -	1	1
Brown clay and sand - - - - -	1	2
Red and white clay- - - - -	2	4
Brown and white clay- - - - -	1	5
Red iron ore rock- - - - -	1	6
Brown, gray, and chocolate clay-sand- - - - -	1	7
Light brown sandy clay - - - -	1	8
Yellow sand and white clay - -	2	10
Red and brown clay- - - - -	3	13
Water at 9 feet.		

Well 115

On hillside at center of east line of R. F. Shaw 74 acre tract in Isaac Reed Survey, 11 miles northeast of Jacksonville.

Surface sand- - - - -	1	1
Red clay- - - - -	2	3
Red and brown clay - - - - -	1	4
Red and white clay - - - - -	1	5
Brownish yellow and white clay- - - - -	1	6
Gray plastic clay - - - - -	2	8
Chocolate and yellow clay- - -	5	13
Brown and yellow clay - - - -	1	14
Water at 13 feet.		

Well 117

On flat land at southeast corner of W. R. Tonnison 100 acre tract in Isaac Reed Survey, 10 miles northeast of Jacksonville.

Surface sand- - - - -	1	1
Brown sandy clay- - - - -	1	2
Red and brown sandy clay- - -	1	3
Red and white sandy clay- - -	3	6
Brown and white clay- - - - -	5	11
Brown clay- - - - -	2	13
Chocolate brown clay- - - - -	2	15
Water at 4 feet.		

Logs of test wells in Cherokee County--Continued

Well 118		Well 127	
On hilltop at center of south line of Mrs. A. E. Mayfield 74 acre tract in Isaac Reed Survey, 10 miles northeast of Jacksonville.		On hillside at center of D. T. Dodson farm in C. Parks Survey, 10 miles east of Jacksonville.	
Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	Red sandy clay and gravel- -	4
Red sandy clay- - - - -	1	Brown sandy clay and gravel-	2
Red and white clay- - - - -	6	Red and white sandy clay and gravel- - - - -	2
Brown and white sandy clay- -	1	Brown sandy clay and gravel (iron ore)- - - - -	3
Red and white sandy clay- - -	7	Brown sand and white clay- -	1
Red clay and gravel- - - - -	1	Yellow and white sand- - - -	1
Water at 10 feet.		Gray plastic clay- - - - -	2
Well 120		Brown and white sand - - - -	2
On flat land at southwest corner of V. A. Davis 113 acre tract in Isaac Reed Survey, 9 miles northeast of Jacksonville.		Yellow and white sand- - - -	1
Surface sand- - - - -	2	Gray plastic clay- - - - -	1
Brown sandy clay- - - - -	1	Tan colored sand - - - - -	1
Red and white sandy clay- - -	5	White and tan sand - - - - -	2
Burned umber and white sandy clay- - - - -	1	Gray sand- - - - -	1
Brown and white sandy clay- -	2	White sand - - - - -	1
Brown sand- - - - -	1	Brown and white sand - - - -	1
Brown and white sandy clay- -	1	White sand and gray clay - -	1
Pinkish brown sandy clay- - -	1	White and tan sand- - - - -	2
Salmon colored sand- - - - -	2	White sand- - - - -	3
Yellow chocolate sandy clay- -	3	White and brown sand- - - - -	1
Yellowish brown sandy clay and gravel- - - - -	4	White sand and gray clay- --	5
Grayish brown sandy clay- - -	2	Gray sand - - - - -	3
Chocolate sandy silt- - - - -	1	Gray and yellowish brown sand	1
Yellowish, green, and black clay- - - - -	1	Water at 40 feet.	
Green sandy clay- - - - -	2	Well 134	
Water at 27 feet.		On flat land at southwest corner of W. N. Alexander 112 acre tract in C. Burnett Survey, 5 $\frac{1}{2}$ miles northeast of Jacksonville.	
Well 123		Surface sand- - - - -	3
On hillside at southwest corner of L. A. Gibson 100 acre tract in Wm. Gates Survey, 8 $\frac{1}{2}$ miles east of Jacksonville.		Light tan sand - - - - -	4
Surface sand- - - - -	2	Brown and white sand- - - -	5
Brown sandy clay- - - - -	1	Yellow and white sand - - -	2
Brown sandy clay and iron ore gravel- - - - -	1	White sand- - - - -	2
Brown sand- - - - -	4	Brown and white sand- - - -	4
Red and white sandy clay- - -	4	Brown sand- - - - -	1
Brown sand- - - - -	3	Water at 15 feet.	
Light brown sand- - - - -	2	Well 137	
White sand- - - - -	2	On hillside at northeast corner of Park Lake Fishing Club 123 acre tract in Jose Pineda Survey, 5 miles northeast of Jacksonville.	
Water at 17 feet.		Gray sand and red clay- - -	1
		Brown sandy clay- - - - -	1
		Brown sand- - - - -	3
		Gray and chocolate clay - -	1
		Brown and gray sand- - - - -	5
		Red sand and gravel - - - -	1
		Brown and white sandy clay-	1
		Tan and white sand- - - - -	2

Logs of test wells in Cherokee County--Continued

Well 137--Continued

	Thickness (feet)	Depth (feet)
White sand- - - - -	4	19
Brown sand - - - - -	10	29
Tan sand- - - - -	1	30
White sand- - - - -	1	31
Water at 25 feet.		

Well 140

On top of knoll at center of Dickson & O'Keefe 50 acre tract in Jose Pineda Survey, $4\frac{1}{2}$ miles east of Jacksonville.

Brown sandy clay- - - - -	3	3
Brown sand- - - - -	2	5
Red and brown sandy clay - -	3	8
Brown and white sand- - - - -	3	11
Red and brown sand- - - - -	3	14
Brown and white sandy clay--	2	16
Brown sand- - - - -	1	17
Brown and white sandy clay -	4	21
Brown sand- - - - -	2	23
Brownish yellow and white sand	3	26
Water at 21 feet.		

Well 141

On hillside at center of north line of C. H. Arnwine 121 acre tract in Jose Pineda Survey, 4 miles east of Jacksonville.

Surface sand and rock- - - - -	2	2
Hard reddish brown sand- - -	4	6
Brown and white sand- - - - -	2	8
Gray sand and chocolate sandy silt- - - - -	1	9
Gray and brown sand - - - - -	2	11
Tan sand- - - - -	3	14
Fine white sand - - - - -	2	16
Brown and white sand - - - - -	2	18
White sand- - - - -	8	26
Tan sand- - - - -	2	28
Brown sand - - - - -	1	29
White and brown sand - - - - -	3	32
White sand- - - - -	1	33
Water at 31 feet.		

Well 143

On hillside at center of south line of C. R. McClung 225 acre tract in Jose Pineda Survey, $3\frac{3}{4}$ miles east of Jacksonville.

Red sandy silt- - - - -	1	1
Brown and white sandy silt -	2	3
Tan and brown fine sand - - -	4	7
Tan sand and chocolate clay-	4	11
Yellowish brown sand- - - - -	5	16
Light brown sand- - - - -	2	18
Brown sand and gray clay- -	1	19

Well 143--Continued

	Thickness (feet)	Depth (feet)
Greenish gray micaceous sand with traces of lignite - - - - -	11	30
Water at 27 feet.		

Well 144

On valley floor at center of east line of C. R. McClung 225 acre tract in Jose Pineda Survey, 4 miles east of Jacksonville.

Surface sand- - - - -	6	6
Tan and white sand- - - - -	3	9
Reddish, brown and white sand	1	10
White sand- - - - -	3	13
Coarse reddish brown sand - -	1	14
Water at 7 feet.		

Well 145

On hillside at center of NE. $\frac{1}{4}$, of C. R. McClung 225 acre tract in Jose Pineda Survey, $3\frac{1}{2}$ miles east of Jacksonville.

Surface sand- - - - -	1	1
Red sandy silt- - - - -	1	2
Brown sandy silt- - - - -	3	5
Brown and white sandy silt- -	2	7
Reddish brown sandy silt- - -	8	15
Laminated red brown and white sandy silt and mica- - - - -	2	17
Brown and gray clay-with traces of lignite- - - - -	2	19
Brown and gray sand with some chocolate clay	1	20
Brown and chocolate clay- - -	1	21
Water at 20 feet.		

Well 146

On hillside near center of north line of C. R. McClung 225 acre tract, 4 miles east of Jacksonville.

Surface sand- - - - -	1	1
Reddish brown sandy silt- - -	3	4
Reddish brown and white clay-	4	8
Fine brown and white sand - -	5	13
Fine brown sand- - - - -	2	15
Fine tan sand- - - - -	1	16
Brown sand and chocolate gray clay- - - - -	2	18
Brownish gray sand- - - - -	3	21
Fine greenish black micaceous silt- - - - -	3	24
Fine greenish gray micaceous sand- - - - -	2	26
Fine greenish gray micaceous sand with streaks of silty clay- - - - -	1	27
Fine greenish sand- - - - -	3	30
Water at 27 feet.		

Logs of test wells in Cherokee County--Continued

Well 147
On hillside near northwest corner of C.R. McClung 225 acre tract in Jose Pineda Survey, 3½ miles east of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand - - - -	1	1
Red sandy silt and gravel	12	13
Reddish brown sandy silt	5	18
Brown sand and gray clay	1	19
Light brown and white sand	2	21
Water at 20 feet.		

Well 149
On flat land in center of A. C. White 81 acre tract in Jose Pineda Survey, 2½ miles east of Jacksonville.

	Thickness (feet)	Depth (feet)
Brown sand - - - -	4	4
Brown sandy clay - -	4	8
Brown sand - - - -	8	16
Light brown and white sand	3	19
Water at 17 feet.		

Well 162
On flat table land at northwest corner of A. N. Ragsdale farm in Tho. Quevado Survey, near southwest corner of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand - - - -	2	2
Red sandy silt and gravel	3	5
Brown sand and gravel -	1	6
Brown sand - - - -	1	7
Brown sand and gravel -	1	8
Reddish brown and white sand	1	9
Brown and white sandy clay	4	13
Gray clay and some brown sand	3	16
Water at 12 feet.		

Well 163
On hilltop at 619 north Patton Street in city of Jacksonville.

	Thickness (feet)	Depth (feet)
Brown surface sand - -	1	1
Brown sand - - - -	1	2
Red and brown sandy clay	2	4
Red and gray clay - -	6	10
Tan and gray clay - -	4	14
Brown and gray clay -	2	16
Brown and chocolate clay	4	20
Rock - - - - -	-	20
Water at 17 feet.		

Well 164
On hillside near northeast corner of J. C. Box farm, 2 miles west of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand - - - -	2	2
Brownish gray sand - -	1	3
Light brown sand - -	1	4
White sand and brownish red sandy clay - - - -	3	7

Well 164--Continued
Thickness (feet) | Depth (feet)

Brown and white sandy silt	2	9
Gray and chocolate colored clay - - - - -	3	12
Sandy brown clay and gravel	1	13
Water at 13 feet.		

Well 166
On hilltop at northeast corner of David Selman farm in Jose Pineda Survey 2-¾ miles west of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand - - - -	1	1
Red sandy clay - - -	4	5
Brown sandy clay and gravel	4	9
Brown sand - - - - -	1	10
Brown sand and gravel -	1	11
Brown sand - - - - -	4	15
Brown and white sand -	7	22
Brown and white sand and chocolate clay - - -	6	28
Water at 19 feet.		

Well 168
On valley floor at northwest corner of J. I. Douglas farm in Jose Pineda farm, 2 miles west of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand - - - -	1	1
Brown sand - - - - -	2	3
Brown and white sand -	2	5
Brown and blue sandy clay	7	12
Blue sand - - - - -	1	13
Water at 5 feet.		

Well 171
On top of ridge in center of Harry Chapman farm in Jose Pineda Survey, 3½ miles northwest of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand - - - -	1	1
Red sandy clay - - -	2	3
Brown and white sand -	3	6
Red sand - - - - -	1	7
Brown and white sand -	3	10
Brown sandy clay - - -	2	12
Reddish brown sandy clay	4	16
Red and white sandy clay	1	17
Brown and white clay -	1	18
Red, and brown sandy clay	1	19
Light brown sandy clay and white sand - - - -	3	22
Water at 19 feet.		

Logs of test wells in Cherokee County--Continued

Well 174

On top of hill at northwest corner of Robert Combs 88 acre tract in Jose Pineda Survey, $4\frac{1}{4}$ miles west of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	3	3
Brown fine sand - - - - -	4	7
Brown and white sand- - - - -	3	10
White sand- - - - -	4	14
Pink and brown sand - - - - -	3	17
Water at 16 feet.		

Well 177

At south corner of W. P. Simpson farm in Jose Pineda Survey, $5\frac{1}{2}$ miles west of Jacksonville.

Light colored sand- - - - -	4	4
Light reddish brown sand- - - - -	4	8
Reddish sandy clay- - - - -	1	9
Red sandy clay with white sand- - - - -	2	11
Reddish sandy clay- - - - -	2	13
Brown sandy clay- - - - -	3	16
Brown sand- - - - -	2	18
Water at 13 feet.		

Well 180

Center of north line of G. L. Newton 105 acre tract in Jose Pineda Survey, 5 miles west of Jacksonville.

Light sand- - - - -	1	1
Brown clay and sand - - - - -	2	3
Brown sand- - - - -	1	4
Brown and white sand- - - - -	2	6
Red clay and white sand - - - - -	2	8
Reddish sand- - - - -	1	9
Red sand and white clay - - - - -	2	11
White and brown clay- - - - -	1	12
Brown and white sand- - - - -	3	15
Pink and white sand - - - - -	2	17
Brown and white sand- - - - -	2	19
Light brown sand- - - - -	2	21
Darker brown sand - - - - -	2	23
Seep water at 8 feet.		

Well 184

On top of ridge at southeast corner of J. W. Beardon 70 acre tract in B. C. Lewis Survey, 7 miles northwest of Jacksonville.

White sand- - - - -	2	2
Brown sand- - - - -	4	6
Brown sand and red clay - - - - -	2	8
Brown sand- - - - -	1	9
Brown and white sand- - - - -	2	11
Red and brown sand- - - - -	1	12
Water at 10 feet.		

Well 191

On top of ridge at south line of A. and C. J. Simpson 75 acre tract in J. M. Fitzgerald Survey, $6\frac{1}{2}$ miles west of Jacksonville.

	Thickness (feet)	Depth (feet)
Reddish brown sand- - - - -	2	2
White sand- - - - -	2	4
Very light brown sand - - - - -	1	5
Brown sand- - - - -	5	10
Light brown sand- - - - -	1	11
Brown sand- - - - -	6	17
Chocolate colored sand- - - - -	2	19
Water at 18 feet.		

Well 195

On valley floor at northwest corner of W. Lloyd Survey, $\frac{1}{2}$ mile west of Carey Lake at river and 10 miles west of Jacksonville.

Alluvial sand- - - - -	9	9
Water at 6 feet.		

Well 201

On flat land at southwest corner of Mrs. W. D. Warren 147 acre tract in C. B. Hoffman Survey, 8 miles southwest of Jacksonville.

Surface sand- - - - -	1	1
Brown sand- - - - -	8	9
Red and white fine sand - - - - -	2	11
White sand- - - - -	2	13
Red and white sand- - - - -	2	15
Fine red sand - - - - -	1	16
Fine tan sand - - - - -	3	19
Fine brown sand - - - - -	3	22
Red and brown sand- - - - -	3	25
Brown sand- - - - -	1	26
Water at 25 feet.		

Well 202

On hillside at west line and in south half of J. M. Travis 50 acre tract in N. J. Steincipher Survey, $6\frac{1}{2}$ miles southwest of Jacksonville.

Surface sand- - - - -	2	2
Brown sandy clay- - - - -	1	3
Red sandy silt- - - - -	2	5
Brown sand- - - - -	2	7
Tan sand and white clay - - - - -	2	9
Gray plastic clay - - - - -	1	10
Tan and pink sand - - - - -	1	11
Tan and white sand- - - - -	1	12
Tan, white and gray plastic clay- - - - -	1	13
Yellowish brown sand- - - - -	1	14

Logs of test wells in Cherokee County--Continued

Well 202--Continued

	Thickness (feet)	Depth (feet)
White and brown sand- - - -	1	15
Brown and white sand with clay- - - - -	1	16
Brown sand and gray clay- -	1	17
Water at 17 feet.		

Well 207

On hillside at southwest corner of L. M. Lancey 72 acre tract in I. Reynolds Survey, 5 $\frac{1}{2}$ miles southwest of Jacksonville.

Surface sand- - - - -	2	2
Brown sandy silt- - - - -	1	3
Fine brown sand - - - - -	1	4
Brown and white sandy clay and gravel- - - - -	6	10
Brown sand- - - - -	2	12
Tan and white sand- - - - -	4	16
Brown sand- - - - -	2	18
Red and brown sand- - - - -	1	19
Brown sand- - - - -	1	20
Water at 17 feet.		

Well 210

On hillside at northeast corner of E. L. Sanders 31 acre tract in I. Reynolds Survey, 4 $\frac{1}{2}$ miles west of Jacksonville.

Red sandy clay- - - - -	1	1
Brown sand- - - - -	1	2
Brown sand and gravel - - -	1	3
Brown sand- - - - -	2	5
Brown and white sand- - - -	7	12
Brown sand- - - - -	4	16
Brown and white sand- - - -	1	17
Brown sand- - - - -	3	20
Brown and white sand- - - -	3	23
Water at 8 feet.		

Well 213

On flat upland at northeast corner of T. J. Skelton 160 acre tract in S. Wilson Survey, 4 $\frac{1}{2}$ miles west of Jacksonville.

Surface sand- - - - -	4	4
Red and brown sandy silt- -	2	6
Red sand and bentonite- - -	1	7
Reddish brown and white sand	3	10
Red sand- - - - -	5	15
Brown and white sand- - - -	8	23
Water at 19 feet.		

Well 216

On hillside at center of Northeast line of P. D. Turner 50 acre tract in W. N. Brown Survey, 4 $\frac{1}{2}$ miles southwest of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Red clay- - - - -	3	4
Red and white clay- - - - -	6	10
Reddish brown sandy clay and gravel- - - - -	2	12
Pink, white, and yellowish brown clay- - - - -	2	14
Brown and white clay- - - -	1	15
Water at 15 feet.		

Well 219

On hilltop at southeast corner of W. A. Ragsdale farm in J. D. Wolfen Survey, 3 miles southwest of Jacksonville.

Surface sand- - - - -	1	1
Red sand- - - - -	11	12
Tan sand- - - - -	5	17
White sand- - - - -	3	20
Water at 18 feet.		

Well 222

On hillside at southeast corner of Sam Goodson 58 acre tract in J. D. Wolfen Survey, 2 $\frac{1}{4}$ miles southwest of Jacksonville.

Surface sand- - - - -	1	1
Surface sand and brown clay	1	2
Red and brown clay- - - - -	1	3
Red and white clay- - - - -	5	8
Tan and white clay- - - - -	2	10
Gray clay- - - - -	3	13
Tan and gray clay- - - - -	4	17
Gray sandy silt - - - - -	2	19
Tan and gray sandy clay - -	3	22
Gray sandy clay - - - - -	8	30
Gray sand- - - - -	1	31
Brown sandy clay- - - - -	4	35
Gray sand and clay- - - - -	2	37
Water at 27 feet.		

Well 224

On hillside at center of north line of E. L. Reynolds 90 acre tract in James Ford Survey, 2 miles south of Jacksonville.

Reddish brown sandy clay- -	2	2
Brown sandy clay- - - - -	7	9
Brown sand- - - - -	4	13
Brown sandy clay- - - - -	2	15
Brown sand and gravel - - -	6	21
Water at 15 feet.		

Logs of test wells in Cherokee County--Continued

Well 226

On hillside at center of west line of J. F. Buchanan 57 acre tract in James Ford Survey, 3 miles southeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Brown sandy clay and gravel-	2	2
Reddish brown sandy clay--	4	6
Brown clay- - - - -	4	10
No water.		

Well 229

On flat hilltop at northeast corner of John Rose Myer 103 acre tract in James Ford Survey, 3 miles south of Jacksonville.

	Thickness (feet)	Depth (feet)
Red sandy clay- - - - -	11	11
Red sandy clay and gravel-	1	12
Reddish brown sandy clay- -	3	15
Brown sandy clay- - - - -	2	17
Yellowish brown sandy clay-	10	27
White sand and brown sandy clay- - - - -	3	30
Brown and white sand- - -	4	34
Water at 32 feet.		

Well 231

On hillside at southwest corner of S. L. Davis 80 acre tract in James Ford Survey, 3½ miles south of Jacksonville.

	Thickness (feet)	Depth (feet)
Reddish brown sand and gravel	6	6
Reddish brown sand, clay and gravel- - - - -	2	8
Brown sand and gray clay-	2	10
Reddish brown sandy silt and gravel- - - - -	4	14
Brownish yellow clay and little sand - - - - -	2	16
Water at 15 feet,		

Well 235

On hillside at center of east half of south one-third of John A. Beall farm in Jose Pineda Survey, 2½ miles southeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Red sandy clay- - - - -	2	2
Brown sand- - - - -	1	3
Red sandy clay- - - - -	3	6
Brown sandy clay- - - - -	3	9
Yellowish, white sandy clay#	3	12
Struck rock at 12 feet.		
Water at 7 feet.		

Well 237

On floor of small hanging valley at northeast corner of Mrs. T. J. Foster farm in Jose Pineda Survey, 3¼ miles southeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Brown sandy clay- - - - -	3	4
Red and white clay- - - - -	3	7
Red, brown and white sandy clay- - - - -	6	13
Brown and white sandy clay-	3	16
Brown and white sandy silt-	1	17
Chocolate and white sandy silt- - - - -	2	19
Water at 8 feet.		

Well 240

On hillside at southwest corner of Ray Lacy 25 acre tract in I. N. Joiner Survey, 4 miles southeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Red sandy clay- - - - -	2	2
Brown sandy silt- - - - -	4	6
Reddish brown and white sandy silt- - - - -	1	7
Brown sand- - - - -	1	8
Reddish brown sandy silt- -	1	9
Fine brown and white sand -	2	11
Fine white sand - - - - -	6	17
Tan sand and bentonite- - -	1	18
White sand- - - - -	7	25
Tan sand- - - - -	1	26
White sand and gray clay- -	2	28
Brown sand and gray clay- -	2	30
Water at 26 feet.		

Well 246

On top of ridge at southeast corner of S. C. Suttles 27 acre tract in W. F. Williams Survey, 5½ miles southeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Red sand- - - - -	1	1
Brown sand- - - - -	1	2
Brown clay- - - - -	3	5
Red and white clay- - - - -	4	9
Yellow, brown and white clay	2	11
Brownish yellow and chocolate colored clay- - - - -	4	15
Greenish black sandy clay -	2	17
Water at 12 feet.		

Logs of test wells in Cherokee County--Continued

Well 253

On small hilltop at southwest corner of J. H. Emerson 40 acre tract in K. Tumlinson Survey, 6 $\frac{1}{2}$ miles southeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Red and white sandy clay- -	4	5
Red and white sand- - - - -	3	8
Chocolate brown clay- - - -	3	11
Water at 5 feet.		

Well 254 line

On top of ridge at center of east of R. T. Chandler 74 acre tract in J. C. Dickson Survey, 8 miles southeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Gray sand and brown sandy clay- - - - -	2	2
Brown sand and little clay- -	2	4
Brown sand- - - - -	3	7
Brown sand and gravel - - - -	3	10
Fine white sand - - - - -	1	11
Pink sand - - - - -	2	13
White sandy clay- - - - -	1	14
White sand- - - - -	7	21
Water at 19 feet.		

Well 255

On low flat land at southeast corner of J. W. Goodson, 71 acre tract in A. C. Walters Survey, 7 miles southeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Red sandy clay- - - - -	2	2
Brown and gray sandy clay- -	6	8
Yellowish brown sandy clay	2	10
Water at 5 feet.		

Well 261

On low flat land at southwest corner of J. O. Jenkins 285 acre tract in J. R. Taylor Survey, 9 $\frac{1}{2}$ miles southeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Brown sandy clay- - - - -	2	3
Red and white clay- - - - -	4	7
Brown and white sand- - - -	3	10
White sandy clay- - - - -	2	12
Brown sand and white sandy clay- - - - -	3	15
Red and white sandy clay- -	1	16
Brown and white sandy clay	1	17
Water at 13 feet.		

Well 264

On hillside at center of south line of A. C. Payne 75 acre tract in John H. Russell Survey, 10 miles southeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Brown sand and clay - - - -	3	4
Red sandy clay and gravel -	1	5
Grayish brown sand and clay	1	6
Red and white clay- - - - -	10	16
Water at 12 feet.		

Well 268

On hilltop at northwest corner of J. H. Jones farm in Neil O'Neal Survey, 12 $\frac{1}{2}$ miles east of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand with gravel- - -	1	1
Red and brown sand with gravel- - - - -	2	3
Red sand and gray clay- - -	3	6
Red and brown sand- - - - -	3	9
Red and white sand- - - - -	1	10
Red and brown sand- - - - -	5	15
Red and white sand- - - - -	1	16
Fine sand and white talcy clay- - - - -	1	17
Reddish brown and white sand- - - - -	2	19
Brown and white sand- - - -	1	20
Brown sand- - - - -	29	49
Brown and white sand- - - -	5	54
Water at 52 feet.		

Well 273

On hillside at southwest corner of J. T. Greenwood farm in G. Chisum Survey, 13 miles east of Jacksonville.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Red sandy clay- - - - -	3	4
Red sandy clay and gravel -	6	10
Rock- - - - -	-	10

Well 280

On hillside at southwest corner of J.R. Richey 198 acres in A. Myers Survey, 15 $\frac{1}{2}$ miles east of Jacksonville.

	Thickness (feet)	Depth (feet)
Brown sandy clay and gravel-*	3	3
Red and white sandy clay- -	5	8
Brown sand and gray clay- -	2	10
Reddish brown and white sand	3	13
Brown and yellow sand- - -	3	16
Water at 12 $\frac{1}{2}$ feet.		

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

Well 282

On valley floor at center of north line of Fannie Hardaway farm in Jas. McKnight Survey, 14 $\frac{1}{2}$ miles southeast of Jacksonville.

	Thickness (feet)	Depth (feet)
Red sand- - - - -	1	1
Brown sand- - - - -	2	3
Reddish brown and white sand	3	6
Brown and white sand- - - -	2	8
Red, brown and white sandy clay- - - - -	1	9
Red and white sandy silt- -	1	10
Water at 6 feet.		

Well 302

On hillside near valley floor at northeast corner of G. W. Weatherford farm in H. Brewer Survey, 10 miles northeast of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Brown sandy clay- - - - -	3	4
Brown sand and gravel - - -	1	5
Gray and brown sand and clay- - - - -	2	7
Brown sand and clay - - - -	1	8
Yellowish brown sand- - - -	1	9
Sand and chocolate clay - -	2	11
Chocolate clay and gravel -	2	13
Water at 9 feet.		

Well 319

On flat land at northwest corner of J. Mathews 37 acre tract in Jose Musquez Survey, 7 $\frac{1}{2}$ miles east of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	2	2
Brown sandy clay and gravel	3	5
Brown and gray sand - - - -	2	7
Red sandy clay and gravel -	1	8
Red and gray sandy clay - -	1	9
Brown and gray sandy clay -	2	11
Brown sandy clay and gravel	4	15
Brown sandy clay- - - - -	1	16
Brown sand- - - - -	1	17
Brown and white sand- - - -	1	18
Brown sand and gravel - - -	1	19
Brown and white sandy silt and gravel- - - - -	2	21
Water at 19 feet.		

Well 321

On flat low land at southwest corner of H. K. M. land in Jose Musquez Survey, 7 $\frac{1}{2}$ miles east of Rusk.

	Thickness (feet)	Depth (feet)
Surface soil- - - - -	1	1
Reddish brown sandy clay- -	3	4
Reddish brown sandy clay and gravel- - - - -	1	5

Well 321--Continued

	Thickness (feet)	Depth (feet)
Red and white sandy clay- -	1	6
Brown sandy clay- - - - -	2	8
Brown sandy silt- - - - -	1	9
Brown and white sand- - - -	3	12
Brown sand and chocolate clay- - - - -	2	14
Pinkish gray sand - - - - -	1	15
Yellowish brown sand- - - -	1	16
Brown sand and chocolate clay- - - - -	1	17
Gray sand- - - - -	5	22
Grayish blue sand - - - - -	4	26
Water at 24 feet.		

Well 324

On flat land at northwest corner of W.H. Shook 90 acre tract in Jose Musquez Survey, 7 miles east of Rusk.

	Thickness (feet)	Depth (feet)
Red clay- - - - -	1	1
Red and gray clay - - - - -	3	4
Gray clay - - - - -	2	6
Brown sand and gray clay- -	3	9
Brown sand rock - - - - -	1	10
Brown and gray clay - - - -	1	11
Brown sand and chocolate clay- - - - -	2	13
Chocolate clay- - - - -	1	14
Brown sandy clay and red rock- - - - -	1	15
Chocolate clay and crystals of gypsum - - - - -	2	17
Brown sandy clay and gypsum	1	18

Well 331

On rolling land at southeast corner of Dan McDonald 139 acre tract in L. Medford Survey, 5 $\frac{1}{2}$ miles northeast of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Light brown sand- - - - -	2	3
Reddish brown and white sandy clay- - - - -	5	8
Brown sandy clay and gravel	1	9
Brown and white sandy clay-	3	12
Brown sandy clay and gravel	1	13
Brown sand- - - - -	1	14
Brown and white sandy clay and gravel- - - - -	1	15
Red sand- - - - -	1	16
Red clay and streaks of white sand- - - - -	2	18
Brown clay and white sand -	3	21
Water at 17 feet.		

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

Well 334

On hillside at southwest corner of J. Bailey farm in B. F. Powell Survey, 7 miles northeast of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Red and white clay- - - - -	2	3
Brown and gray clay - - - - -	1	4
Red and white clay- - - - -	2	6
Brown and white clay- - - - -	5	11
Yellow and white sandy clay	2	13
Fine white sand- - - - -	1	14
Brown and white sand and gray plastic clay- - - - -	6	20
Chocolate clay- - - - -	2	22
Brown sand- - - - -	2	24
Chocolate clay and brown sand- - - - -	1	25
Chocolate clay and gray clay	5	30
Water at 14 feet.		

Well 337

On hillside at center of NE. $\frac{1}{4}$ of M. Johnson 140 acres in J. M. McKnight Survey, 5 miles northeast of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Reddish brown sandy clay- -	4	5
Light sandy silt- - - - -	1	6
Brown sandy micaceous clay-	1	7
Pale green fine sand- - - -	1	8
Fine white sand with yellow chocolate gray soapy clay	1	9
Grayish brown sandy clay with mica- - - - -	8	17
Water at 13 feet.		

Well 340

On hillside at center of the east line of north half of R. L. Parsons 98 acre tract in J. M. Medford Survey, 4 miles northeast of Rusk.

	Thickness (feet)	Depth (feet)
Red clay- - - - -	1	1
Red and gray clay - - - -	3	4
Reddish brown and gray clay	3	7
Brown and gray clay- - - -	3	10
Brown and white sand and chocolate clay- - - - -	2	12
Dark brown clayish silt and some light brown fine sand	2	14
Dark brown muddy clay with some gravel- - - - -	1	15
Greenish black sticky clay	2	17
Water at 14 feet.		

Well 343

On hillside at northwest corner of D. B. Cummings farm in W. Nutt Survey, 4 miles northeast of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Tan sand- - - - -	1	2
Tan and white sand- - - - -	1	3
Red and gray sandy silt - -	6	9
Red and brown clay - - - -	2	11
Water at 8 feet.		

Well 344

On top of ridge at center of east line in north half of Mallard estate 400 acre tract in John Johnson survey, $5\frac{1}{2}$ miles northeast of Rusk.

	Thickness (feet)	Depth (feet)
Red sandy silt- - - - -	3	3
Red sandy silt and gravel -	1	4
Reddish brown and white sand	2	6
Gray clay with some red sand	3	9
Brown sand and gravel- - - -	1	10
Gray and chocolate clay- --	3	13
Chocolate clay- - - - -	3	16
Seep water at 10 feet.		

Well 345

On hillside at center of south line of R. Olander 100 acre tract in G. Meredith Survey, $4\frac{1}{2}$ miles east of Rusk.

	Thickness (feet)	Depth (feet)
Red sandy silt- - - - -	2	2
Red and white sandy silt- -	4	6
Brown and white sandy clay-	2	8
Chocolate clay- - - - -	1	9
Brown sand and chocolate clay- - - - -	1	10
Brown sand and gray soapy clay- - - - -	2	12
Chocolate and white sand- -	2	14
Chocolate clay- - - - -	4	18
Water at 14 feet.		

Well 348

On hillside at northeast corner of J.W. Mallard 50 acre tract in J. Montgomery Survey, $5\frac{1}{2}$ miles southeast of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	2	2
Reddish brown sandy clay- -	2	4
Reddish and gray plastic clay	3	7
Brown sand- - - - -	2	9
Brown sand and gravel - - -	1	10
Fine tan sand - - - - -	3	13
Yellowish brown sand- - - -	4	17

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

Well 350

On low flat land at northwest corner of W. A. Waggner 123 acre tract in Leach Survey, 6 $\frac{1}{2}$ miles southeast of Rusk.

	Thickness (feet)	Depth (feet)
Red sandy clay and gravel - -	1	1
Red and white sandy clay - - -	2	3
Red and gray clay - - - - -	2	5
Brown sand and gray clay - -	3	8
Reddish brown sand and gray clay and small sypsum - - -	1	9
Red and white silty clay - -	1	10
Brown and white sandy silt -	1	11
Brown sandy silt - - - - -	1	12
Brown and yellow sandy silt -	2	15
Greenish brown sandy silt - -	2	17
Water at 14 feet.		

Well 356

On hilltop at southeast corner of W. and H. Mercer 111 acre tract in E. M. Thomason Survey, 6 $\frac{1}{2}$ miles southeast of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand - - - - -	2	2
Reddish brown sand and gravel	1	3
Brown sand and gravel - - - -	3	6
Brown and white sandy silt - -	1	7
Red and white sandy silt - - -	4	11
Red sand and gray clay - - - -	3	14
Brown sand and clay - - - - -	4	18
Brown and white sandy silt with iron-ore gravel - - - -	3	21
Brown sand and sandstone - -	1	22
Water at 22 feet.		

Well 358

On flat land at northwest corner of C. Bradford 50 acre tract in W. M. Murray Survey, 6 miles southeast of Rusk.

	Thickness (feet)	Depth (feet)
Coarse brown sand - - - - -	4	4
Yellowish brown sand and gravel - - - - -	2	6
Coarse brown sand - - - - -	1	7
Coarse light brown and red sand - - - - -	1	8
Coarse red and white sand -	1	9
Coarse reddish brown sand - -	1	10
Coarse light brown and white sand - - - - -	2	12
Coarse red sand - - - - -	1	13
Coarse red and white sand -	3	16
Coarse tan and white sand -	3	19
Water at 18 feet,		

Well 361

On hillside at southeast corner of W. T. Norman 170 acres in George W. Wright Survey, 4 $\frac{1}{2}$ miles southeast of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand - - - - -	2	2
Brown sandy clay - - - - -	1	3
Red sandy clay - - - - -	2	5
Brown sand - - - - -	2	7
Brown sand and gray clay - -	1	8
Coarse red and white sand -	1	9
Red sand - - - - -	1	10
Brown sand and gray clay - -	1	11
Brown and gray sand - - - -	1	12
Tan and gray sand - - - - -	3	15
Water at 11 feet.		

Well 364

On high flat land near center of east half of E. W. Cole 137 acre tract in S. Miller Survey, 6 miles southeast of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand - - - - -	1	1
Brown sandy clay - - - - -	4	5
Brown and white sand and red shale - - - - -	5	10
Red shale, white sandy clay and gravel - - - - -	6	16
Reddish brown sand - - - - -	2	18
Brown and white sand - - - -	1	19
Fine white sand - - - - -	2	21
Tan and white sand - - - - -	7	28
Water at 24 feet.		

Well 372

On hilltop at northeast corner of E. B. Todd 100 acre tract in J. T. Cook Survey, 3 $\frac{1}{2}$ miles south of Rusk.

	Thickness (feet)	Depth (feet)
Red sandy silt - - - - -	3	3
Brown sand - - - - -	3	6
Tan and gray sand - - - - -	2	8
Brown sand - - - - -	7	15
Rock - - - - -	-	15
Water at 15 feet.		

Well 376

On hillside at northwest corner of L. Jameson 240 acre tract in E. B. Noble Survey, 3 miles southeast of Rusk.

	Thickness (feet)	Depth (feet)
Red sandy clay and gravel -	2	2
Brown sandy clay - - - - -	3	5
Brown sand and gray clay - -	2	7
Gray sandy silt - - - - -	1	8
Brown sandy silt - - - - -	1	9
Yellow and brown sandy silt	1	10
Brown sand and chocolate clay	6	16
Brown and white sand - - - -	3	19
Brown sand and iron-ore rock	1	20

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

Well 376--Continued

	Thickness (feet)	Depth (feet)
Greenish black sand-and- pyrite- - - - -	5	25
Brown sand- - - - -	7	32
Bluish gray clay- - - - -	1	33
Brown sand- - - - -	1	34
Very micaceous brownish gray sand- - - - -	1	35
Light brown sand - - - - -	5	40
White sand- - - - -	5	45
Brown and white sand- - - - -	1	46
Fine greenish gray micaceous sand and gray clay- - - - -	2	48
Green sand- - - - -	2	51
Water at 44 feet.		

Well 378

On hilltop near southwest corner of northwest one-fourth of New Birmingham Development tract at east city limits of Rusk.

Surface sand- - - - -	1	1
Reddish brown sand- - - - -	1	2
Reddish brown and white sand	3	5
Brown sand- - - - -	3	8
Tan sand- - - - -	1	9
Buff colored-sand - - - - -	2	11
Yellowish brown sand- - - - -	3	14
White sand - - - - -	3	17
Tan sand- - - - -	6	23
Water at 19 feet.		

Well 379

On flat land at northwest corner of Julia Perkins 29 acre tract in W. R. Oswald Survey, 2 1/2 miles east of Rusk.

Surface sand- - - - -	2	2
Brown sand- - - - -	11	13
Brown and white sand- - - - -	5	18
White sand- - - - -	2	20
Brown sand- - - - -	4	24
Water at 21 feet.		

Well 383

On hilltop at southeast corner of Ed Banks farm in S. Halbert Survey, 2 1/2 miles northeast of Rusk.

Surface sand- - - - -	1	1
Fine red and brown sand - - - - -	1	2
Red and white sand- - - - -	1	3
Red sand- - - - -	14	17
Red and white sand- - - - -	4	21
Brown sand- - - - -	4	25
Brown and white sand- - - - -	1	26
Reddish brown sand- - - - -	3	29
Brown sand- - - - -	2	31
Yellowish brown sand- - - - -	1	32
Water at 29 feet.		

Well 384

On hilltop at southwest corner of J. L. Bagley farm in B. Johnson Survey, 1-3/4 miles northeast of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	4	4
Brown sand- - - - -	2	6
Reddish brown and white sand	3	9
Brown and white sand- - - - -	2	11
Gray sand - - - - -	3	14
Yellowish brown and white sand- - - - -	2	16
White sand- - - - -	2	18
Yellowish brown and white sand- - - - -	4	22
Brown sand- - - - -	1	23
Water at 20 feet.		

Well 393

On flat land near center of A. S. Smith 35 and 56 acre tracts in Jane Payne Survey, 5 miles north of Rusk.

Surface sand- - - - -	1	1
Brown sandy clay- - - - -	2	3
Red and white clay- - - - -	3	6
Brown, sand*white clay - - - - -	1	7
Gray clay- - - - -	2	9
Brown sand rock- - - - -	3	12
No water.		

Well 395

On top of small hill at southwest corner of E. M. Cameron farm in Robert Walters Survey, 4 miles north of Rusk.

Brown sandy clay- - - - -	2	2
Reddish brown sandstone - - - - -	1	3
Fine light brown sand - - - - -	1	4
Fine red sand- - - - -	1	5
Reddish brown sand - - - - -	1	6
Chocolate gray clay - - - - -	1	7
Light brown sand and gray clay- - - - -	2	9
Chocolate gray clay - - - - -	1	10
Light brown sand and gray clay- - - - -	4	14
Chocolate clay- - - - -	1	15
Brown clay and sand - - - - -	1	16
Greenish gray clay- - - - -	3	19
Greenish gray sand- - - - -	1	20
Greenish gray clay- - - - -	8	28
Water at 20 feet.		

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

Well 398

On hilltop at center of west line of B. C. Copeland 75 acre tract in J. M. Miller Survey, 1 1/2 miles north of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	2	2
Brown sandy clay- - - - -	2	4
Brown and red clay- - - - -	1	5
Red clay and white sand - -	5	10
Red sand- - - - -	4	14
Reddish brown and white sand	4	18
Brown and white sand- - - -	5	23
Coarse tan and white sand -	4	27
Brown sand- - - - -	1	28
Reddish brown sand- - - - -	1	29
Coarse tan sand - - - - -	2	31
Water at 31 feet.		

Well 402

On hilltop in 1 acre tract at northeast corner of 34 acres of Wiggins Estate in W. Anderson Survey, 1/3 mile west of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	3	3
Reddish brown sand- - - - -	4	7
Reddish brown and white sand	4	11
Brown sand- - - - -	3	14
Brown and white sandy clay-	4	18
Tan sand- - - - -	1	19
Chocolate clay- - - - -	2	21
Yellowish brown sand- - - -	2	23
Chocolate clay- - - - -	1	24
Brown sand- - - - -	3	27
Water at 14 feet.		

Well 404

On hilltop at northeast corner of J. Rich farm in C. K. Beach Survey, 1 1/2 miles southwest of Rusk.

	Thickness (feet)	Depth (feet)
Red sandy clay- - - - -	12	12
Brown sand and gravel - - -	2	14
Solid rock at 4 feet.		
No water.		

Well 406

On high flat land at southeast corner of C. L. Lowry 55 acre tract in J. T. Cook Survey, 3 miles southwest of Rusk.

	Thickness (feet)	Depth (feet)
Tan sand- - - - -	11	11
Water at 8 feet.		

Well 411

On hilltop at northeast of Bess Weaver farm in John S. Mills Survey, 1 1/2 miles west of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Brown sandy clay- - - - -	2	3
Red and white sandy clay- -	11	14

Well 411--Continued

	Thickness (feet)	Depth (feet)
Brown sand- - - - -	2	16
Brown and white sandy clay-	2	18
Brown sand- - - - -	1	19
Brown and white sandy clay-	2	21
Gray clay- - - - -	1	22
Brown and white sand- - - -	1	23
White sand - - - - -	3	26
Water at 24 feet.		

Well 412

On hillside at northeast corner of T. Hall 40 acre tract in John S. Mills Survey, 2 miles west of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	2	2
Brown sandy clay- - - - -	2	4
Brown sand- - - - -	6	10
Red and brown sand- - - - -	2	12
Light brown and white sand-	5	17
White sandy silt- - - - -	2	19
Brown and white sand- - - -	2	21
Brown and gray sand and chocolate clay- - - - -	3	24
White sand- - - - -	1	25
Water at 10 feet.		

Well 414

On top of small ridge at northwest corner of E. L. Isaacs 54 acre tract in Wm. Barbee Survey, 2 1/4 miles west of Rusk.

	Thickness (feet)	Depth (feet)
Red surface clay- - - - -	3	3
Brown sand and white clay -	2	5
Tan sand- - - - -	3	8
White bentonite clay with mica- - - - -	5	13
Dark tan sand - - - - -	2	15
Light tan sand and dark clay	1	16
White and tan sand- - - - -	2	18
Gray sand and chocolate clay	1	19
Chocolate clay- - - - -	1	20
Chocolate clay and tan sand	1	21
Chocolate clay- - - - -	1	22
Chocolate clay and gray sand	1	23
Chocolate clay and tan sand	1	24
Gray clay- - - - -	3	27
Gray clay and sand- - - - -	1	28
Gray clay- - - - -	1	29
Gray clay and sand- - - - -	1	30
Gray sand- - - - -	1	31
Gray clay- - - - -	3	34
Water at 30 feet.		

Logs of U.P.A. test wells in Cherokee County--Continued

Well 415

On hillside at northeast corner of State of Texas 691 acre tract in Wm. Barbee Survey, 2 miles northwest of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Red and white sandy clay- -	4	5
Brown sand- - - - -	1	6
Brown and white sandy clay-	2	8
Brown and white sand- - - -	2	10
Gray sandy clay- - - - -	1	11
Tan sand- - - - -	1	12
Gray sandy clay- - - - -	5	17
Brown and white sand- - - -	2	19
Brown and white sand and gravel- - - - -	1	20
Brown sand and chocolate clay	1	21
Chocolate clay- - - - -	1	22
Tan sand- - - - -	6	28
Brown and white sand- - - -	4	32
Brown sand- * * * * *	1	33

Well 421

On hillside at northwest corner of Mrs. A. Arrington 100 acre tract in A. M. Hallmark Survey, 6 1/2 miles northwest of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Red sandy clay - - - - -	2	3
Reddish white sand - - - - -	1	4
Reddish brown and white sand	2	6
Tan and white sand- - - - -	2	8
Yellowish brown sand- - - - -	1	9
Brownish pink and white sand	2	11
White sand- - - - -	1	12
Tan and white sand * * * * *	4	16
Yellowish brown sand * * * * *	2	18
Tan and white sand- - - - -	1	19
Tan and yellow sand - - - - -	1	20
White sand- - - - -	5	25
Light brown sand - - - - -	5	30

Water at 22 feet.

Well 428

On gentle slope at southwest corner of W. King 52 acre tract in Wm. Barbee Survey, 4 1/2 miles northwest of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Reddish brown sand and silt	4	5
Reddish brown sand- * * * * *	10	15
Light brown and white sand**	5	20
White sand- - - - -	8	28
Tan sand- - - - -	12	40
Salmon colored sand- - - - -	1	41
Tan sand- - - - -	1	42
Pink sand - - - - -	1	43
Brown sand- - - - -	3	46

Water at 44 feet.

Well 431

On hilltop at northeast corner of Citizen's Bank 120 acres in Wm. Barber Survey, 3 1/2 miles northwest of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	3	3
Brown and white sand- - - -	2	5
Red and white sand- - - - -	4	9
Reddish brown and white sand	12	21
Brown sand- - - - -	8	29

Water at 22 feet.

Well 433

On hillside at southeast corner of M. H. Schuller 282 acres in K. Odom Survey, 3-3/4 miles west of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	2	2
Brown sandy clay- - - - -	1	3
Red sand- - - - -	5	8
Red sand gray sandy clay- -	2	10
Brown sand- - - - -	2	12
Brown and white sand- - - -	5	17
White sand- - - - -	5	22
Salmon sand and gray clay -	1	23
Light tan sand- - - - -	6	29
Tan sand- - - - -	2	31
Brown sand- - - - -	7	38
White sand- - - - -	1	39
Brown sand- - - - -	6	45
Brown and white sand- - - -	1	46

Water at 44 feet

Well 435

On hilltop at southeast corner of D. H. Hudnail 41 acre block in K. Odom Survey, 5 miles southwest of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	6	6
Brown and white sand- - - -	2	8
Brown sand-and-gravel-----	4	12
Solid rock (iron-ore)	1	13

No water. Hard rock at 13 feet.

Well 444

On top of ridge near southwest corner of J. C. Wallace 88 acre tract in G. B. Lacy Survey, 6 1/2 miles southwest of Rusk.

	Thickness (feet)	Depth (feet)
Red clay- - - - -	2	2
Red sandy clay- - - - -	3	5
Brown sand- - - - -	3	8
Brown sand and gravel - - -	1	9
Brown sand- - - - -	3	12
Brown sand rock, red and white sand- - - - -	6	18
Brown sand and gravel - - -	2	20

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

Well 446

On hillside at southwest corner of Powell land and Lumber Co. 111 acre tract in J. Sheridan Survey, 6 miles southwest of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand-	4	4
Brown sand-	2	6
Brown and white sand-	3	9
White sand-	1	10
Red sand-	1	11
Red and white sand-	1	12
Brown sand and white clay -	1	13
Brown sand and pink clay-	1	14
Brown sand-	3	17
Gray clay and white sand-	2	19
Tan sand-	2	21
White sand and clay -	1	22
Fine buff sand-	1	23
Tan sand and clay -	1	24
Tan sand-	6	30
Water at 26 feet.		

Well 449

On flat land at southeast corner of W.F. Sides 150 acre tract in L. M. Vining Survey, 4-3/4 miles northwest of Rusk.

Surface sand-	2	2
Light brown sand-	1	3
Tan sand-	3	6
White sand-	1	7
Tan sand-	9	16
Red sand-	2	18
Tan sand-	1	19
White sand-	1	20
Tan sand-	11	31
Water at 26 feet.		

Well 451

On hilltop at southwest corner of O.P. Lindsay 75 acre tract in Burns Survey, 5 1/2 miles west of Rusk.

Surface sand-	1	1
Brown sand-	7	8
Tan sand-	2	10
Salmon sand -	1	11
Tan and white sand-	5	16
White sand-	2	18
Light tan sand-	2	20
Light brown sand-	1	21
Light tan sand-	2	23
White sand-	3	26
Tan sand -	4	30
Light gray sand banded with gray clay-	3	33
Light tan and gray sand -	2	35
White sand-	5	40

Well 451--Continued

	Thickness (feet)	Depth (feet)
Pink sand-	2	42
Brown and white sand -	3	45
White sand -	1	46
Brown sand -	6	52
Water at 49 feet.		

Well 454

On hillside at center of west line of A. A. Loyd farm in Beverly Pool Survey, 5 1/2 miles northwest of Rusk.

Red sandy silt-	4	4
Red sand and gray clay-	2	6
Reddish brown and white sand	4	10
Brown and white sand-	1	11
Brown sand, chocolate clay and gravel-	3	14
Brown sand and chocolate clay	4	18
Dark gray sand-	1	19
Water at 10 feet.		

Well 456

On top of small hillock at center of south line of J. E. McKay 52 acre tract in T. Spears Survey, 7 miles northwest of Rusk.

Surface sand-	1	1
Reddish brown sandy silt and gravel-	13	14
Reddish brown sand-	8	22
Salmon colored sand -	2	24
Tan fine sand-	2	26
Fine white sand-	3	29
Brown and white sand -	1	30
Light and dark brown sand with streak of iron-ore gravel-	1	31
Fine yellowish brown sand -	2	33
Fine brown and white sand-	2	35
White sand-	6	41
Water at 36 feet.		

Well 457

On rolling land at northeast corner of E. P. Dolan 50 acre tract in C. W. Miller Survey, 8 miles northwest of Rusk.

Surface sand-	2	2
Sandy brown clay-	4	6
Brown sand-	2	8
Red and white sandy silt-	3	11
Coarse red sand-	18	29
Brown sand, coarse -	1	30
Water at 29 feet.		

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

Well 463

On hilltop at center of west line of the south 160 acre tract of A. G. Odum in J. McGowan Survey, 7½ miles west of Rusk.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Deep red sand - - - - -	4	5
Reddish brown sand- - - - -	1	6
Brown and yellow sand - - - -	3	9
Dark brown sandy silt - - - -	2	11
Light brown sand- - - - -	2	13
Brown and white sand- - - - -	1	14
Brown sand and gray clay- - -	3	17
Red and brown sand and gray clay- - - - -	2	19
Brown sand and chocolate clay	1	20
White sand and black clay- -	2	22
White and black sand- - - - -	1	23

Water at 15 feet.

Well 472

On hillside at center of north line of R. M. Campbell 170 acre tract in S. J. Wilson Survey, 8 miles northwest of Rusk.

Red sand and gravel- - - - -	9	9
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Hard iron ore at 9 feet.

Well 480

On hilltop at center of Finis Warner farm in R. P. Brown Survey, 10½ miles northwest of Rusk.

Surface sand- - - - -	1	1
Rock- - - - -	8	9

No water.

Well 487

On gentle slope at center of east line of Mrs. A. M. Miller 100 acre tract in H. Fuller Survey, 14½ miles northwest of Rusk.

Surface sand- - - - -	1	1
Red sandy clay- - - - -	3	4
Brown sand and gravel - - - -	2	6
Brown sand- - - - -	2	8
Yellow and brown sandy clay -	1	9
Red sand with some silt - - - -	1	10
Red and white clay- - - - -	3	13
Brown sand and gravel- - - - -	7	20
Brown sand- - - - -	3	23

Water at 19 feet.

Well 489

On hillside at center of west line of Mrs. M. A. Thompson 140 acre tract in C. S. Hamilton Survey, 14 miles northwest of Rusk.

	Thickness (feet)	Depth (feet)
Red sandy gravel and clay- -	1	1
Red sand and gravel- - - - -	2	3
Brown sand and gravel- - - -	2	5
Reddish brown sand- - - - -	1	6
Reddish brown sand and gray clay- - - - -	1	7
Yellowish brown sand and gray clay- - - - -	1	8
Fine tan and white sandy clay	2	10
Chalky white sand- - - - -	1	11
Tan sand and white clay - - -	1	12
Fine tan sand- - - - -	3	15
White sand and gray clay- - -	3	18
Tan sand and gray clay- - - -	3	21
White sandy gray clay - - - -	9	30
Tan sand- - - - -	1	31
Yellowish brown and chocolate clay- - - - -	3	34
White sand and chocolate clay	1	35
Brown and tan sand and choco- late clay- - - - -	1	36
White sand- - - - -	1	37
Yellowish brown sand and clay	2	39
Tan sand and chocolate clay -	2	41

Water at 37 feet.

Well 505

On hillside at center of north line of M. B. Meadors 75 acre tract in O. Lund Survey, 9½ miles west of Rusk.

Reddish brown sandy silt- - -	3	3
Brown sand and clay- - - - -	1	4
Reddish brown sand and clay -	1	5
Red and white clay- - - - -	2	7
Yellow ochre and sandy clay -	1	8
Light chocolate plastic clay-	1	9
Brown sand and gray clay- - -	3	12

Water at 11 feet.

Well 507

On flat land at northeast corner of J. G. Meador farm in Wm. Killen Survey, 9 miles west of Rusk.

Surface sand- - - - -	1	1
Brown sand and clay- - - - -	1	2
Brown sand, clay and hematite	1	3
Red sand and white clay - - -	3	6
Gray clay and traces of bentonite- - - - -	3	9
Reddish brown sand- - - - -	2	11

Water at 10 feet.

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

Well 602		Well 606--Continued			
	Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)	
On river bottoms at center of west line of Blount Lumber Co. 586 acre tract in T. & G. N. RR. Survey, 12 miles north-west of Alto.			Red and white sandy clay- -	2	8
			Brown and white sandy clay-	3	11
			Red and gray clay- - - - -	1	12
			Chocolate and yellow clay -	1	13
			Brown and chocolate clay- -	1	14
			Chocolate clay- - - - - - -	2	16
			Dark brown sandy clay - - -	5	21
Alluvial sandy silt and clay	13	13	Water at 17 feet.		
Water at 9 feet.					
Well 603		Well 614			
On small hilltop near center of west line of north half of Southern Pine Lumber Co. 214 acre tract in Z. Gibbs Survey, 10 miles northwest of Alto.			On rolling land at southeast corner of J. F. Pearren 148 acre tract at west edge of Redlawn.		
Surface sand- - - - - - - -	1	1	Red sandy silt- - - - - - -	1	1
Red sandy clay - - - - - - -	1	2	Red sandy silt and gravel -	3	4
Red and gray sandy clay- -	1	3	Brown sandy clay- - - - - -	1	5
Brown and gray sandy clay-	1	4	Brown and white sandy clay-	2	7
Brown sand- - - - - - - - -	1	5	Brown sand- - - - - - - - -	1	8
Reddish brown sand- - - - -	1	6	Brown sandy silt- - - - - -	2	10
Brown sand rock- - - - - - ,	1	7	Brown sandy silt and gravel	1	11
Tan sand- - - - - - - - - -	2	9	Brown and white sand- - - -	1	12
Brown and white sand- - - - -	4	13	Coarse brown sand- - - - -	3	15
Buff sand- - - - - - - - - -	1	14	Water at 12 feet.		
Chocolate brown sand- - - - -	1	15			
Chocolate sandy silt and white sand- - - - - - - -	1	16			
Chocolate and brown sand -	2	18	Well 616		
Brown sand- - - - - - - - -	1	19	On hillside at center of south line of N. A. McLain 35 acre tract in T. Hoyt Survey, 4 1/4 miles northwest of Alto.		
Gray sand- - - - - - - - - -	2	20	Red sandy silt and gravel- -	3	3
Brown sand- - - - - - - - -	2	22	Red and brown sandy clay- -	4	7
Chocolate silty clay- - - - -	3	25	Dark brown sandy clay and gravel- - - - - - - - - - -	2	9
Gray and tan sand- - - - - -	2	27	Brown and gray clay - - - -	2	11
Gray sand- - - - - - - - - -	1	28	Red clay and gravel - - - -	7	18
Water at 27 feet.			Brown and gray clay - - - -	6	24
			Brown sand rock- - - - - - -	1	25
Well 605			Yellow and white sand- - - -	2	27
On hillside at center of W. E. Shattuck farm in W. Meredith Survey, 7 1/2 miles west of Alto.			Water at 26 feet.		
Surface sand- - - - - - - - -	1	1			
Light brown sand- - - - - - -	2	3	Well 618		
Red and brown sand- - - - - -	2	5	On hilltop at most easterly corner of C. B. Frost 101 acre tract in J. T. Cook Survey, 3-3/4 miles north of Alto.		
Red and white sandy clay- -	7	12	Surface sand- - - - - - - - -	12	12
Chocolate clay- - - - - - - -	2	14	Tan sand- - - - - - - - - - -	10	22
Brown sand- - - - - - - - - -	2	16	Light brown sand- - - - - - -	3	25
Water at 12 feet.			Buff colored sand - - - - - -	1	26
			Light brown sand- - - - - - -	2	28
Well 606			White sand- - - - - - - - - -	2	30
On hilltop near center of north line of Southern Pine Lumber Co. 320 acre tract in N. Newton Survey, 7 1/2 miles northwest of Alto.			Light brown sand- - - - - - -	3	33
Surface sand- - - - - - - - -	2	2	Light gray sand and chocolate clay- - - - - - - - - - - -	2	35
Red and brown sandy clay- -	1	3	Gray sand - - - - - - - - - -	1	36
Red and gray sandy clay- --	2	5	Dark brown sand - - - - - - -	1	37
Red and sandy clay- - - - - -	1	6	Tan sand- - - - - - - - - - -	3	40
			Brown clay- - - - - - - - - -	2	42
			Water at 38 feet.		

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

Well 621

On hilltop at northeast corner of J. E. James farm in J. M. Mora Survey, 2 1/4 miles north of Alto.

	Thickness (feet)	Depth (feet)
Red sand and gravel- - - - -	2	2
Brown sand, rock and clay- -	12	14
Green sand- - - - -	3	17
Hard rock at 17 feet.		
No water.		

Well 623

On hilltop at center of south line of J. Bradley farm in J. M. Mora Survey, 1 mile north of Alto.

Red sand and gravel- - - - -	6	6
Yellowish brown sandrock - -	5	11
Dark brown sand and gravel -	3	14
Yellow and white sand- - - -	6	20
Green sand and black clay- -	5	25
Green sand- - - - -	5	30
Water at 26 feet.		

Well 629

On hilltop at center of west line of A. T. Wilson 86 acre tract in James Dill Survey, 3 1/2 miles northeast of Alto.

Surface sand- - - - -	2	2
Tan and brown sand - - - - -	2	4
Red and brown sand - - - - -	2	6
Red and white sand - - - - -	6	12
Tan and white sand - - - - -	3	15
Tan and brown sand - - - - -	1	16
Brown and white sand - - - - -	6	22
Water at 21 feet.		

Well 633

On flat land at center of south line of P. O. Rice and A. Munn 100 acre tract in James Dill Survey, 5 1/2 miles northeast of Alto.

Brown surface sand- - - - -	2	2
Buff colored sand- - - - -	1	3
T-n sand- - - - -	1	4
Light brown sand- - - - -	3	7
Brown sand and gravel and gray clay- - - - -	5	12
Red sand and gray clay- - - -	10	22
Reddish brown sandy silt- - -	1	23
Brown sand- - - - -	2	25
Water at 18 feet.		

Well 636

On hillside at southwest corner of Mrs. W. E. Harvey 25 acre tract in James Dill Survey, 4 miles northeast of Alto.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Brown sand and clay - - - -	5	6
Light brown sand- - - - -	2	8
Reddish brown sand- - - - -	1	9
Dark red sand and clay- - -	3	12
Light brown sand and gravel	1	13
Green sand and clay- - - - -	1	14
Green sand- - - - -	1	15
Water at 13 feet.		

Well 637

On rolling land at center of south line of A. Boyd 181 acre tract in James Dill Survey, 2-3/4 miles east of Alto.

Red surface soil- - - - -	1	1
Brown sand and gravel - - -	2	3
Light brown sand and gravel	6	9
Brown and black sand- - - -	4	13
Green sand- - - - -	6	19
Water at 4 feet.		

Well 639

On gently rolling land at center of south line of S. F. Sparkman 28 acre tract in James Dill Survey, 4 miles east of Alto.

Surface sand- - - - -	1	1
Dark red sand - - - - -	3	4
Red and brown sandy clay -	3	7
Brown sand and clay - - - -	3	10
Brown sand and gray clay- -	3	13
Brown sand- - - - -	1	14
Water at 10 feet.		

Well 641

On side of small hill at southeast corner of George B. Terrell 100 acres in James Dill Survey, 5 1/2 miles east of Alto.

Surface sand- - - - -	2	2
Light brown sand- - - - -	8	10
Dark brown sand and gravel-	4	14
Water at 12 feet.		

Well 643

On low land at center of south line of Mrs. A. McClure farm in James Dill Survey, 7 miles east of Alto.

Brown surface soil- - - - -	1	1
Dark brown sand- - - - -	4	5
Light brown sand - - - - -	1	6
Dark brown sand- - - - -	1	7
Brown sand and gravel - - -	1	8

(Continued next page)

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

Well 643--Continued

	Thickness (feet)	Depth (feet)
Brown and white sand- - - -	1	9
Brown and white sand and clay	2	11
Brown gravel- - - - - - - -	2	13
Water at 9 feet.		

Well 644

On hillside near center of west line of Ed Roarke 100 acre tract in John Durst Survey, 5 miles east of Alto.

Red sand- - - - - - - - - -	3	3
Brown sand - - - - - - - - -	1	4
Brown and white sand - - - -	3	7
Gray sand- - - - - - - - - -	1	8
Brown sand - - - - - - - - -	1	9
Gray and brown clay- - - - -	2	11
Gray sandy silt- - - - - - -	1	12
Gravish black clay - - - - -	3	15
No water.		

Well 646

On hilltop at southeast corner of south side Realty Co. 213 acre tract in John Durst Survey, 6 $\frac{1}{2}$ miles southeast of Alto.

Red sandy silt- - - - - - - -	3	3
Red sandy clay - - - - - - - -	1	4
Reddish brown clay - - - - - -	2	6
Brown sandy silt- - - - - - - -	4	10
Brown sand- - - - - - - - - -	1	11
Brown sand and gravel - - - - -	2	13
Brown sandy clay and gravel - -	2	15
Green sand and clay- - - - - -	4	19
Water at 14 feet.		

Well 649

On hilltop at northeast corner of Mrs. Ivy Hough 100 acre tract in John Durst Survey, 5 $\frac{1}{2}$ miles east of Alto.

Surface sand- - - - - - - - -	1	1
Brown and white sand and gravel- - - - - - - - - - -	7	8
Red and gray sandy clay- - - -	2	10
Brown and gray sandy clay- - -	5	15
Brown sand and chocolate clay	6	21
Water at 21 feet.		

Well 650

On hilltop at southwest corner of L. F. Hill 69 acre tract in John Durst Survey 4 $\frac{1}{2}$ miles southeast of Alto.

Surface sand- - - - - - - - -	3	3
Coarse red sand - - - - - - -	2	5
Red and white sandy clay- - - -	2	7
Brown and white sand- - - - -	2	9
Brown sand and gray clay- - - -	3	12
Brown sand and chocolate clay	1	13

Well 650--Continued

	Thickness (feet)	Depth (feet)
Brown and white sand- - - - -	1	14
Brown sand and chocolate clay	2	16
Sand- - - - - - - - - - - - -	3	19
Green sand and black clay - - -	3	22
Water at 12 feet.		

Well 652

On hilltop at southeast corner of L. F. Hill 250 acres in John Durst Survey, 2-3/4 miles east of Alto.

Surface sand- - - - - - - - -	6	6
Light brown and white sand- - -	3	9
Red brown and white sand- - - -	3	12
Coarse light brown sand - - - -	2	14
Brown and fine white sand - - -	2	16
Striated red and white sand	1	17
White and brown sand- - - - -	2	19
Sand and clay- - - - - - - - -	3	22
Chocolate clay and brown sand	3	25
Brown and gray sand- - - - - -	2	27
Water at 27 feet.		

Well 654

On hilltop at center of south half of west line of S. F. Florence 100 acre tract in J. M. Mora Survey, 2 miles east of Alto.

Surface sand- - - - - - - - -	1	1
Red sandy clay- - - - - - - - -	3	4
Reddish brown sand and gravel	1	5
Yellowish brown sandy silt and gravel- - - - - - - - - - - -	4	9
Water at 9 feet.		

Well 656

On hillside at northeast corner of W. T. Mithew farm in J. M. Mora Survey, 3/4 miles east of Alto.

Red sandy clay- - - - - - - - -	1	1
Dark brown sand - - - - - - - -	2	3
Brown sand and clay - - - - - -	2	5
Dark brown sand and clay- - - -	2	7
Light brown sand - - - - - - - -	2	9
Brown sand and clay- - - - - - -	2	11
Brown and white sand- - - - - -	5	17
Water at 12 feet.		

Well 660

On hillside at northwest corner of C.W. Fisher 250 acre tract in B. Williams Survey, 3/4 miles southwest of Alto.

Red sandy silt- - - - - - - - -	1	1
Brown sandy silt- - - - - - - - -	9	10
Green sand- - - - - - - - - - -	2	12
Water at 10 feet.		

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

Well 666

On hilltop at northwest corner of H. D. Hendrix farm in George Ruddle Survey, 6½ miles west of Alto.

	Thickness (feet)	Depth (feet)
Red sandy clay- - - - -	1	1
Brown sand- - - - -	5	6
Tan sand- - - - -	11	17
Light brown sand- - - - -	2	19
Brown and white sand- - - - -	1	20
Brown sand- - - - -	1	21
Chocolate micaceous clay- - - - -	1	22
White sand- - - - -	1	23
Brown and white sand- - - - -	9	32
Water at 24 feet.		

Well 667

On hillside at southwest corner of J.W. Mauling Survey, 8 miles west of Alto.

Brown sand and gravel- - - - -	5	5
Brown and white sand - - - - -	4	9
Reddish brown and white sand	1	10
Red and white sandy clay- - - - -	9	19
Chocolate clay- - - - -	2	21
Chocolate clay and sand- - - - -	4	25
Water at 23 feet.		

Well 671

On hilltop at center of east half of south line of J. Green 60 acre tract in George Ruddle Survey, 5½ miles southwest of Alto.

Surface sand- - - - -	1	1
Red sand and gravel with clay	7	8
Light brown sand and clay- - - - -	1	9
Reddish brown sand - - - - -	1	10
Brown sand- - - - -	5	15
White and tan sand- - - - -	1	16
Tan sand- - - - -	1	17
Brown sand- - - - -	1	18
Brown and white sand- - - - -	2	20
Brown sand- - - - -	6	26
Micaceous chocolate sand- - - - -	3	29
Water at 25 feet.		

Well 673

On hilltop at center of north line of J. T. Black 210 acre tract in P. E. Bean Survey, 4½ miles southwest of Alto.

Brown surface sand- - - - -	3	3
Red and white sand- - - - -	2	5
Light brown and white sand- - - - -	3	8
Red and white sand with gravel	3	11
Brown sand and gravel- - - - -	2	13
Red and white sand- - - - -	1	14
Brown sand and gravel - - - - -	1	15
Brown and white sandy clay- - - - -	5	20

Well 673--Continued

	Thickness (feet)	Depth (feet)
Brown and white sand- - - - -	5	25
White sand- - - - -	2	27
Brown sand- - - - -	2	29
Water at 26 feet.		

Well 674

On hillside at center of east line of Henry King farm in George Ruddle Survey 6 miles southwest of Alto.

Surface sand- - - - -	2	2
Brown sand- - - - -	3	5
Red and white sandy clay - - - - -	2	7
Light brown sand and gravel	3	10
White sand- - - - -	1	11
Reddish brown sand- - - - -	2	13
Brown sand and gray clay- - - - -	2	15
Dark brown sand- - - - -	2	17
Red sand and gray clay - - - - -	4	21
Brown sand and gray clay- - - - -	2	23
Buff colored sand and gravel	2	25
Light brown sand- - - - -	4	29
Micaceous brown sand- - - - -	4	33
Water at 33 feet.		

Well 675

At northeast corner of McKinney and Williams 320 acre Survey, 8½ miles southwest of Alto.

Red sandy silt and clay- - - - -	11	11
Red sand- - - - -	1	12
Brown and gray sandy clay- - - - -	8	20
Brown sand- - - - -	1	21
Brown and gray sandy clay - - - - -	9	30
Brown sand- - - - -	2	32
Brown sandy clay- - - - -	1	33
Brown sand- - - - -	1	34
Brown and white sand- - - - -	1	35
Brown sand- - - - -	7	42
No water.		

Well 676

On hilltop at center of east line of Blount Decker Lumber Co. 900 acre tract in S. Selman Survey, 7 miles southwest of Alto.

Surface sand- - - - -	1	1
Brown sandy clay- - - - -	9	10
Reddish brown sand- - - - -	5	15
Yellowish brown sand- - - - -	2	17
Buff colored sand- - - - -	3	20
Brown sand and chocolate clay	1	21
White sand- - - - -	2	23
Water at 20 feet.		

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

Well 677

On hilltop at center of north half of Mrs. A. G. Quarlas 351 acre tract in George Ruddle Survey, 6 $\frac{1}{2}$ miles southwest of Alto.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Red sandy clay- - - - -	2	3
Brown sandy clay- - - - -	1	4
Brown sand and red clay - -	5	9
Brown and white sand- - - -	3	12
Brown sand and red clay - -	6	18
Brown sand- - - - -	5	23
Brown sandy clay- - - - -	2	25
Brown sandy silt- - - - -	4	29
Brown and white sandy clay-	3	32
Buff colored sand- - - - -	1	33
White and brown sandy clay	1	34
Brown and white sand - - - -	4	38
Brown sand- - - - -	4	42
Tan sand- - - - -	2	44
Water at 42 feet.		

Well 678

On hillside at center of south line of J. P. Broughton 200 acre tract in P.E. Bean Survey, 3 $\frac{1}{2}$ miles southwest of Alto.

Surface sand- - - - -	1	1
Reddish brown sand and gravel	1	2
Brown sand and gravel- - - -	15	17
Green sand- - - - -	17	34
Water at 31 feet.		

Well 680

On hillside at most southerly corner of F. M. Inge 281 acre tract in Martin Lacy Survey, 2 miles southwest of Alto.

Surface sand- - - - -	5	5
Light brown sand- - - - -	2	7
Brown and white sand- - - - -	4	11
Red and gray clay- - - - -	1	12
Gray clay- - - - -	2	14
Brown and white sand and clay	1	15
Gray clay- - - - -	2	17
Light brown sand- - - - -	1	18
Light brown marl- - - - -	1	19
Water at 18 feet.		

Well 683

On hilltop at northeast corner of W.W. Reed 68 acre tract in B. Williams Survey, 2 $\frac{1}{2}$ miles southwest of Alto.

Surface sand- - - - -	1	1
Reddish brown sand- - - - -	7	8
Light brown sand- - - - -	3	11
Tan sand- - - - -	4	15
Fine white sand- - - - -	7	22
Light brown sand - - - - -	1	23

Well 683--Continued

	Thickness (feet)	Depth (feet)
Light brown sand and white clay- - - - -	2	25
Tan sand- - - - -	8	33
Reddish brown sand- - - - -	2	35
Water at 33 feet.		

Well 685

On hilltop at southeast corner of Dixie Farms 1490 acre tract in P. E. Bean Survey, 4-3/4 miles southwest of Alto.

Surface sand- - - - -	1	1
Brown sand- - - - -	1	2
Reddish brown sandy clay- -	2	4
Reddish brown sand- - - - -	3	7
Brown sand- - - - -	7	14
Reddish brown and white sand	1	15
White sand- - - - -	3	18
Brown and white sand- - - - -	2	20
Water at 16 feet.		

Well 686

On hilltop at center of south line of J. L. Felker farm in B. W. Williams Survey 4 $\frac{1}{2}$ miles southwest of Alto.

Surface sand- - - - -	5	5
Reddish brown sand- - - - -	1	6
Brown sand- - - - -	9	15
White siliceous clay- - - - -	1	16
Light brown sand- - - - -	3	19
Tan and white sand- - - - -	2	21
Light brown sand- - - - -	2	23
Tan sand- - - - -	10	33
Water at 29 feet.		

Well 688

On flat land at southeast corner of A.C. Harris farm in J. M. Mora Survey, 1 mile south of Alto.

Surface sand- - - - -	1	1
Dark brown sand and clay- -	3	4
Medium brown sand and clay-	5	9
Green sand with black clay-	3	12
Water at 12 feet.		

Well 692

On hilltop at north corner of Mrs. L. Fleming 96 acre tract in S. A. Duncan Survey, 3 miles southeast of Alto.

Surface sand- - - - -	2	2
Red sandy clay- - - - -	1	3
Red sand and gravel - - - -	1	4
Brown sandy clay- - - - -	1	5
Red and gray clay - - - - -	5	10
Brown and gray clay - - - - -	2	12
Chocolate clay- - - - -	2	14

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

Well 692--Continued			Well 701		
	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Yellow sand, rock and dark brown clay- - - - -	1	15	On high rolling land at middle of east half of south line of J. M. Knight 76 acre tract in C. B. Disher Survey, 6 miles southwest of Alto.		
Dark brown sand- - - - -	4	19			
Black sand and silt- - - - -	3	22			
Black sand- - - - -	6	28	Surface sand- - - - -	1	1
Dark greenish brown sand- -	3	31	Light brown and white sand- -	5	6
Water at 17 feet.			Reddish brown sand and trace of clay- - - - -	4	10
			Brown sand- - - - -	2	12
Well 696			Fine tan sand - - - - -	5	17
On hillside at most northerly corner of E. W. Thurman 184 acre tract in S. A. Duncan Survey.			Fine white micaceous sand -	3	20
Surface sand- - - - -	7	7	Light brown sand- - - - -	1	21
Reddish brown sand- - - - -	5	12	Brown and white sand- - - - -	6	27
Brown sand- - - - -	7	19	Light brown sand- - - - -	9	36
Light brown and white sand--	7	26	White sand- - - - -	2	38
Salmon colored sand- - - - -	3	29	Tan sand- - - - -	1	39
Yellowish brown sand - - - -	4	33	Light brown, white and tan sand- - - - -	8	47
Light brown sand- - - - -	8	41	Water at 42 feet.		
Water at 38 feet.					
			Well 702		
Well 698			On flat land at southwest corner of 553 acre tract of Summers Estate in J. Harris Survey, 7 1/3 miles southwest of Alto.		
On hilltop near center of Cherokee Land and Irrigation Co. 474 acre tract in S. A. Duncan Survey, 5 miles south of Alto.			Surface sand- - - - -	2	2
Surface sand- - - - -	2	2	Brown and gray sandy silt -	6	8
Red and white sandy clay - -	2	4	White sand- - - - -	2	10
Brown sand- - - - -	8	12	Water at 9 feet.		
Brown sand and gray clay- -	6	18			
Brown and tan sand- - - - -	1	19	Well 705		
Grayish brown sand and clay- 14		33	On top of Ridge at north corner of H. Duncan farm in George W. Wood Survey, 6 miles southeast of Alto.		
Greenish black sand- - - - -	5	39	Surface sand- - - - -	1	1
Water at 34 feet.			Red sand- - - - -	8	9
			Dark brown sand and gravel--	1	10
Well 699			Light brown sand- - - - -	2	12
On hilltop at center of northeast line of Chronister Lumber Co. 510 acre tract in N. Ragsdale Survey, 5 miles south of Alto.			Brown and white sand - - - -	2	14
Surface sand- - - - -	1	1	Red and white sand- - - - -	1	15
Red and gray sandy clay- --	6	7	Brown sand and chocolate gray clay- - - - -	8	23
Gray sand and chocolate clay	2	9	Gray sand and chocolate clay	5	28
Tan sand- - - - -	1	10	Brown sand and clay- - - - -	3	31
Pink sand- - - - -	1	11	White and brown sand - - - -	1	32
Buff sand- - - - -	1	12	Brown sand and clay- - - - -	1	33
Tan sand- - - - -	2	14	White sand and clay- - - - -	4	37
Tan and white sand- - - - -	2	16	White sand - - - - -	1	38
Brown sand- - - - -	1	17	White sand and clay- - - - -	4	42
Tan and white sand- - - - -	2	19	White sand- - - - -	1	43
Tan sand- - - - -	1	20	Brown and gray clay - - - - -	3	46
Chocolate sand- - - - -	5	25			
Water at 18 feet.			Brown sand- - - - -	2	48
			Water at 45 feet.		

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

Well 708

On hillside at west corner of B. B. Britton farm in W. H. Cherry Survey, 8 miles southeast of Alto.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Red clay- - - - -	2	3
Red and gray clay- - - - -	2	5
Brown sand and chocolate clay	2	7
Tan sand- - - - -	1	8
Tan and white sand- - - - -	2	10
Brown sand and chocolate clay	6	16
Tan sand - - - - -	1	17
white sand and black clay -	3	20
Black clay- - - - -	1	21
Brown sand rock- - - - -	1	22
Hard rock at 22 feet.		

Well 710

On hilltop near center of northeast line of H.H. Berryman 120 acre tract in M.J. Barsola Survey, 7 miles south of Alto.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Brown sand- - - - -	1	2
Red and brown sand- - - - -	1	3
Red and white sand- - - - -	1	4
Red and brown sand- - - - -	1	5
Red and white sand- - - - -	5	10
Brown, white and pink sand-	3	13
Yellow sand- - - - -	1	14
Salmon sand- - - - -	1	15
Pink and white sand- - - - -	1	16
Brown and white sand- - - - -	2	18
Yellow sand- - - - -	2	20
Red and brown sand- - - - -	1	21
Red, white, and brown sand-	2	23
Red and brown sand- - - - -	2	25
Water at 20 feet.		

Well 712

On ridge at southwest corner of Chronister Lumber Co. 448 acre tract in J. N. Borden Survey, 7½ miles southeast of Alto.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	1	1
Light tan sand- - - - -	1	2
Light brown sand and gravel	4	6
Brown sand- - - - -	2	8
Dark brown sand- - - - -	6	14
Brown sand- - - - -	5	19
Dark brown sand and clay- -	5	24
Dark brown sand- - - - -	3	27
Red, brown, and white sand-	1	28
Brown sand and gray clay- -	9	37
Dark gray clay and streaks of gray sand- - - - -	10	47
Dark gray sand - - - - -	5	52
Fine light gray sand- - - -	1	53

Well 713

On hilltop at center of west line of W. D. Wilson 56 acre tract in M. J. Barsola Survey, 8 miles south of Alto.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	2	2
Brown sand- - - - -	1	3
Red and brown sand and gravel	1	4
Red and white sand- - - - -	3	7
Brown sand and gray clay- -	4	11
Tan sand and gray clay- - -	2	13
White sand- - - - -	3	16
Yellow sand- - - - -	1	17
Yellow sand and gravel - - -	1	18
Yellow and white sand- - - -	3	21
Brown and pink sand- - - - -	1	22
Brown and white sand- - - - -	1	23
White sand- - - - -	2	25
Brown and white sand- - - - -	2	27
White sand- - - - -	1	28
Brownish white sand- - - - -	15	43
Water at 42 feet.		

Well 719

On hilltop at southeast corner of H. Bailey 191 acre tract in J. Bowman Survey, 11 miles southeast of Alto.

	Thickness (feet)	Depth (feet)
Reddish brown sand and gravel	4	4
Red sand- - - - -	5	9
Brown sand- - - - -	3	12
Brown sand and gravel- - - -	1	13
White sand and gray clay- -	1	14
Brown sand and black clay -	1	15
Gray and brown sand- - - - -	6	21
Brown sand and chocolate clay	3	24
Light pale green sand- - - -	2	26
Water at 20 feet.		

Well 732

On flat land at center of southeast line of D. K. Durham 80 acre tract in B. Williams Survey, 10½ miles south of Alto.

	Thickness (feet)	Depth (feet)
Red and gray surface clay- -	3	3
Red and gray surface clay with bentonite- - - - -	3	6
Gray bentonite and yellow sand	2	8
Bentonite - - - - -	2	10
Yellow sand and bentonite- -	2	12
Tan sand- - - - -	1	13
Tan sand and bentonite- - - -	1	14
Tan sand, bentonite and hematite- - - - -	1	15
Tan sand and bentonite- - - -	1	16
Bentonite and some sand- - -	1	17
Sand- - - - -	2	19
Saturated dark gray plastic clay resembling ball clay- -	1	20

(Continued next page)

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

Well 732--Continued

	Thickness (feet)	Depth (feet)
Bentonite with flakes of mica- - - - -	1	21
Dark greenish, micaceous sand and bentonite- - - -	2	23
Water at 20 feet.		

Well 733

On valley floor at southeast corner of D. K. Williams north 80 acre tract in B. Williams Survey, 11 miles south of Alto.

Brown surface clay and gravel	1	1
Grayish green clay and gravel	1	2
Brown clay and gravel- - - -	1	3
Tan sandy clay- - - - -	1	4
Brown sand- - - - -	1	5
Brown sandy clay with marine shells- - - - -	3	8
Chocolate clay and shells- -	1	9
Tan sand, gray clay and mica	1	10
Tan sand and mica - - - - -	1	11
Chocolate clay and shells- -	3	14
Green sand and shells- - - -	3	17
Hard rock at 7 feet.		

Partial analyses of water from wells in Cherokee County, Texas.

(Analyzed at the State University under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry, by J. E. Stullken, C. R. Stewart, D. F. Riddell, and Alfred J. Kelly, Chemists, and J. A. Harmaza, Martin Wieland and Jack Ramsey, Assistant Chemists. Results are in parts per million. Well numbers correspond to numbers in table of well 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 ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
1	C.R. Tindell	Spring	Mar. 6, 1936	106	7	3	30	18	a/	57	30
2	Joe Meyers	35	do.	-	-	-	-	-	-	88	-
3	Archie Miller	30	do.	86	10	10	8	12	a/	52	66
4	W.P.A. test well	10	do.	50	3	3	13	37	a/	13	20
5	H.E. Clyburn	31	do.	142	20	18	9	116	16	21	122
6	W.P.A. test well	8	Mar. 9, 1936	39	3	3	7	12	11	9	20
7	Mrs. L.C. Wilkens	41	do.	38	2	3	9	18	a/	15	16
8	J.J. Bailey	23	Mar. 10, 1936	57	4	3	15	24	a/	23	21
9	W.C.J. Stephens	29	Mar. 9, 1936	209	3	32	-	232	a/	24	224
10	Fred Kirkpatrick	32	Mar. 6, 1936	137	3	16	29	80	a/	49	72
11	Mrs. W.A. Durham	38	Mar. 9, 1936	72	12	8	4	18	a/	39	61
12	S.D. Tomlin	46	do.	30	-	-	12	18	a/	9	2
13	G.H. Ellis	37	do.	89	18	-	18	79	a/	14	46
14	W.P.A. test well	23	do.	38	9	-	4	12	8	11	25
15	M.P. Davis	20	Mar. 11, 1936	71	18	8	-	61	a/	15	77
16	Mrs. Bessie Abbott	28	Mar. 10, 1936	61	8	5	9	37	a/	21	41
17	Mrs. G.W. Buchanan	51	do.	35	3	-	11	18	a/	12	3
18	W.P.A. test well	38	do.	33	6	-	7	24	a/	8	16
19	W.Y. Forest	47	do.	57	2	5	11	12	16	17	26
20	J.F. Saxon	26	Mar. 13, 1936	43	7	3	6	24	a/	15	29
21	Wesley Bearden	32	Mar. 10, 1936	31	11	-	-	-	a/	20	30
22	Ben Pritchard	11	Mar. 4, 1936	28	7	3	-	18	a/	9	30
23	W.B. Cowthan	52	Mar. 13, 1936	37	-	6	7	30	a/	9	24
24	Ruby Meyers	28	Mar. 4, 1936	49	-	6	11	18	a/	23	26
25	W.F. Clyburn	76	Mar. 13, 1936	50	16	-	4	24	a/	18	39
26	B.S. Shamblin	23	Mar. 4, 1936	27	-	3	7	18	a/	8	17
27	G.A. McGee	34	do.	34	1	3	8	18	a/	13	15
28	R.A. Gossett	37	Mar. 25, 1936	292	-	-	-	12	8	173	-
29	W.P.A. test well	16	do.	52	-	-	-	12	10	18	-

a/ Sulphate less than 5 parts per million

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
30	J.J. Langston	27	Mar.13,1936	134	23	14	9	49	a/	64	115
31	R.L. Burns	27	do.	149	18	18	18	171	a/	10	117
32	J.W. Gray	20	do.	45	7	-	10	24	a/	16	20
33	W.P.A. test well	23	do.	1,001	48	37	276	12	79	555	275
34	J.F. Lowery	22	Mar.26,1936	104	-	-	-	24	12	43	-
36	Allen Burton	Spring	do.	26	-	-	-	12	a/	10	-
37	J.A. Musick	do.	do.	52	-	-	-	12	a/	27	-
38	J.F. Armstrong	24	do.	85	-	-	-	12	a/	48	-
39	W.P.A. test well	17	do.	57	-	-	-	12	8	23	-
40	Mrs. Howard	27	do.	113	-	-	-	49	a/	47	-
41	Bradley Estate	50	do.	264	22	40	14	-	a/	188	220
42	W.P.A. test well	14	Mar.25,1936	197	9	8	48	-	69	63	56
47	Sam Stockton	Spring	do.	34	-	-	14	12	a/	14	-
44	Dean Stockton	29	do.	33	-	-	-	6	a/	18	-
45	W.P.A. test well	21	do.	186	-	-	-	12	142	67	-
46	Perry Owens	42	do.	2,330	191	16	250	18	1,832	32	542
47	J.W. Grimes	49	do.	157	4	7	42	31	58	33	41
48	Rogers Tilman	20	Mar.27,1936	78	-	-	-	18	8	33	-
49	H.J. Fenton	11	do.	108	-	-	-	24	a/	56	-
50	Joe Northcutt	34	do.	5,374	256	-	1,300	-	3,433	385	890
51	C.T. Conway	16	do.	381	-	-	-	12	244	16	-
52	H.E. Wilbourn	42	Mar.26,1936	851	66	45	155	12	380	199	350
53	M.C. Childs	37	Mar.25,1936	29	-	-	-	18	a/	9	-
54	Mrs. Fannie Grimes	38	Mar.26,1936	363	27	18	75	12	109	128	142
55	J.A. Potter	29	do.	41	-	-	-	12	12	9	-
56	W.P.A. test well	13	Mar.17,1936	938	67	96	75	-	658	42	562
57	L.F. Wilburn	18	Mar.19,1936	211	-	-	-	12	106	89	-
58	Ed. Ward	25	do.	96	2	6	58	6	a/	27	30
59	W.P.A. test well	21	do.	8,565	250	325	1,975	-	4,646	720	1,960
60	W. Norman	25	Mar.16,1936	59	11	10	-	24	a/	26	72
61	W.W. Finch	23	Mar.27,1936	37	-	-	-	24	a/	11	-
62	W.P.A. test well	19	do.	548	-	-	-	-	361	21	-
63	D.E. Holman	11	do.	1,198	-	-	-	12	685	139	-
64	Fred Hudspeth	35	do.	215	4	5	63	37	108	17	30

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Partial analyses of water from wells in Cherokee 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 ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
65	W.A. Lacy	37	Mar.27,1936	35	-	-	-	-	a/	24	-
66	W.P.A. test well	18	Mar.19,1936	36	-	-	-	12	10	9	-
67	Ross Martin	53	do.	86	-	-	-	12	24	27	-
68	V. Brown	25	Mar.20,1936	262	8	32	44	-	a/	178	149
69	Jess Hamilton	73	do.	43	6	1	9	18	a/	18	20
70	L.H. Holcomb	16	Mar.19,1936	696	-	-	-	12	624	39	-
71	W.P.A. test well	14	do.	221	2	10	49	-	142	18	44
72	J.J. Betty	Spring	Mar.16,1936	31	3	-	9	18	a/	10	10
73	F.H. Burton	31	Mar.19,1936	64	-	7	14	6	a/	40	30
74	R.E. Barren	31	Mar.13,1936	53	2	8	-	-	28	23	84
75	W.P.A. test well	17	Mar.16,1936	2,242	760	133	216	-	1,539	80	1,246
76	W.B. Robinson	30	Mar.19,1936	229	-	-	-	12	86	62	-
77	Allen Clayton	32	do.	49	-	-	-	6	a/	28	-
78	S.S. Stone	23	Mar.16,1936	93	22	-	15	61	a/	26	56
79	W.P.A. test well	18	do.	74	-	5	26	43	12	20	19
80	H.B. Kelly	38	do.	132	12	16	18	-	10	76	94
81	E.H. Sadler	14	do.	29	2	6	1	24	a/	8	30
82	J.C. Henry	Spring	do.	43	7	-	9	18	a/	18	20
83	Selee & Overton Farm	29	do.	50	2	1	17	37	a/	12	10
84	Horace Pope	26	do.	231	33	13	41	-	a/	144	135
85	J.M. Buckelew	18	Mar.18,1936	124	-	-	-	43	a/	57	-
86	J.D. Burton	Spring	do.	42	-	-	-	24	a/	14	-
88	do.	18	do.	103	8	1	33	79	14	8	25
89	W.P.A. test well	24	Mar.21,1936	372	-	-	-	18	a/	17	-
90	M. Kangerga	11	Mar.20,1936	57	-	-	-	18	a/	27	-
91	Mrs.M.D. Stewart	73	do.	43	-	-	-	24	a/	15	-
92	J.M. Edwards	28	Mar.30,1936	136	-	-	-	12	15	67	-
93	Geo. C. Dale	26	Mar.23,1936	653	58	2	161	98	312	71	155
94	W.P.A. test well	12	Mar.20,1936	47	-	-	-	6	33	14	-
95	J.K. Summers	Spring	do.	64	-	-	15	18	a/	13	-
96	J.D. Thompson	39	Mar.23,1936	53	-	-	-	37	a/	15	-
97	W.P.A. test well	21	do.	571	46	32	95	12	288	104	249
98	J.L. Lewis	Spring	do.	45	-	-	-	24	a/	16	-

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Partial analyses of water from wells in Cherokee 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 ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
99	J.C. Monmoth	40	-	50	-	-	-	31	a/	16	-
100	Mrs. P. Jones	34	Apr. 3, 1936	55	-	4	17	24	a/	22	15
101	Trudie Stewart	45	Mar. 23, 1936	41	-	-	-	37	a/	7	-
103	Elva Greenwood	29	do.	47	-	-	-	37	a/	11	-
104	W.P.A. test well	17	do.	81	-	-	-	73	8	6	-
105	C.G. Ellis	38	do.	51	-	-	-	24	a/	20	-
106	W.P.A. test well	20	Mar. 20, 1936	57	-	-	-	24	15	10	-
107	J.A. Templeton	Spring	do.	45	-	-	-	18	8	12	-
108	Ed Corbin	33	Mar. 30, 1936	86	10	-	26	37	19	23	25
109	W.P.A. test well	14	do.	94	-	-	-	6	42	19	-
110	W.R. Murphy	27	do.	140	-	-	-	128	a/	22	-
111	W.P.A. test well	13	do.	223	5	8	61	-	88	61	46
112	E.E. Crawford	12	Mar. 27, 1936	110	-	-	-	24	19	40	-
113	W.P.A. test well	13	Mar. 30, 1936	313	16	16	70	-	136	75	104
114	D.N. Shaw	24	Mar. 27, 1936	147	-	-	-	24	44	41	-
115	W.P.A. test well	14	do.	103	-	-	-	-	51	17	-
116	T. Tennison	18	Mar. 30, 1936	249	8	9	70	24	65	85	56
117	W.P.A. test well	15	do.	877	-	-	-	-	561	52	-
118	do.	17	do.	1,309	144	86	132	-	900	47	715
119	J.M. Johnson	43	Mar. 27, 1936	142	-	-	-	-	81	20	-
120	W.P.A. test well	29	do.	4,688	340	318	990	2	2,630	410	1,654
121	Tom Chandler	16	Mar. 30, 1936	343	33	23	53	24	108	114	178
122	do.	Spring	do.	2,667	98	72	650	-	1,730	117	534
123	W.P.A. test well	19	Mar. 23, 1936	29	-	-	12	12	a/	11	-
124	J.A. Dodson	40	do.	78	10	2	18	49	a/	24	35
125	L.W. Davis	26	Mar. 31, 1936	27	-	-	-	6	8	7	-
126	W.D. Tipton	23	Apr. 13, 1936	38	-	-	-	18	a/	15	-
127	W.P.A. test well	41	Mar. 31, 1936	57	-	-	23	18	8	18	-
128	Byron Tilley	Spring	Apr. 13, 1936	61	-	-	-	6	a/	36	-
129	Mrs. Daniels	29	Apr. 3, 1936	1,860	-	-	-	9	507	730	-
130	Bob Deshel	31	Mar. 30, 1936	417	-	-	-	18	a/	267	-
131	A.J. Searcy	38	Mar. 27, 1936	338	43	12	62	73	29	106	157
132	E.L. Penland	17	Mar. 25, 1936	1,254	-	-	-	-	1,100	102	-
133	L.M. Bolton	46	Mar. 30, 1936	78	-	-	-	12	25	21	-
134	W.P.A. test well	21	Mar. 25, 1936	71	-	8	15	24	8	28	34

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Partial analyses of water from wells in Cherokee 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 ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
135	W.N. Alexander	18	Mar.25,1936	1,398	-	-	-	634	9	550	-
136	J.T. Koen	50	-	72	2	-	22	31	14	9	5
137	W.P.A. test well	31	June 30,1936	113	-	-	40	37	30	25	-
138	S.E. Priestly	46	Mar.17,1936	82	-	-	-	24	24	18	-
139	A.J. Henderson	Spring	do.	166	5	5	53	31	a/	88	35
140	W.P.A. test well	26	Apr. 6,1936	57	-	-	-	31	4	17	-
141	do.	33	June 30,1936	42	-	-	-	18	a/	17	-
142	W.F. Turney	77	Mar.17,1936	22	-	6	-	-	a/	16	25
143	W.P.A. test well	30	Apr.13,1936	159	-	-	-	-	96	15	-
144	do.	14	Apr.20,1936	42	-	4	11	12	4	17	15
145	do.	21	Apr.13,1936	40	-	-	-	24	a/	13	-
146	do.	30	Apr.20,1936	316	19	26	16	-	235	20	153
147	do.	21	do.	51	-	-	-	24	4	16	-
148	P.R. Wallace	19	Mar.17,1936	53	-	-	-	24	a/	21	-
149	W.P.A. test well	19	do.	64	-	-	-	18	8	24	-
150	Dan Melvin	Spring	do.	23	7	-	1	12	a/	9	20
151	S.J. Latimer	20	Apr. 7,1936	145	-	-	-	122	8	21	-
152	Churchkill Estate	-	Mar.25,1936	74	-	-	-	18	a/	38	-
153	W.C. Ball	24	Mar.27,1936	179	-	-	-	24	a/	102	-
154	Mrs. Wilcox	11	Mar.25,1936	29	-	-	-	18	a/	9	-
155	State Park	Spring	Mar. 4,1936	41	9	3	3	37	a/	8	35
156	Barbier and Garrett	388	Apr.23,1936	53	-	6	13	36	a/	16	24
157	R.J. Harper	31	Mar. 2,1936	44	1	3	13	18	a/	18	15
158	G.N. Smith	17	do.	51	7	6	5	24	a/	21	41
159	Henry Grimes	33	do.	23	5	-	4	6	a/	11	13
160	Mrs.S.A. South	16	do.	39	1	-	15	24	a/	11	5
162	W.P.A. test well	16	Apr.10,1936	-	-	-	-	-	4	38	-
163	do.	20	June 16,1936	205	-	-	-	43	a/	109	-
164	do.	13	Apr.10,1936	65	-	-	25	18	12	19	-
165	Arnwine Heirs	21	June 10,1936	76	16	23	-	18	a/	28	135
166	W.P.A. test well	28	May 10,1936	87	-	-	-	49	19	13	-
167	C.W. Bennett	24	Apr.14,1936	71	4	-	24	18	a/	34	10
168	W.P.A. test well	13	Apr.13,1936	94	-	6	29	43	a/	38	25
169	H.B. Merritt	27	Mar.12,1936	29	1	-	13	12	a/	9	5
170	Tal Smith	Spring	do.	41	5	-	11	24	a/	13	15

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171	W.P.A. test well	22	Mar.11,1936	74	16	10	-	80	a/	8	81
172	Thomas Harris	23	Apr.13,1936	34	-	-	-	18	a/	12	-
173	E.M. McAnally	Spring	Apr.14,1936	24	-	-	-	12	a/	9	-
174	W.P.A. test well	17	do.	40	-	-	-	18	a/	16	-
175	J.H. Walker	37	do.	37	-	-	-	18	a/	14	-
176	J.W. Ware	28	do.	50	-	-	-	37	a/	13	-
177	W.P.A. test well	18	Mar.12,1936	45	4	3	10	24	a/	16	20
178	J.O. Bearden	48	do.	27	5	-	5	18	a/	8	15
179	Ruth Ragsdale	19	do.	36	-	5	7	18	a/	15	21
180	W.P.A. test well	23	Mar.11,1936	43	3	-	14	24	a/	14	10
181	Mrs. John Lewis	38	do.	34	3	-	11	24	a/	8	8
182	J. Isaacs	23	Mar.12,1936	40	7	-	8	18	a/	16	20
183	Levi Sherman	24	Mar.10,1936	50	10	8	-	37	a/	14	58
184	W.P.A. test well	12	do.	34	7	-	5	12	a/	8	20
185	J.L. Bowden	Spring	do.	24	9	-	-	18	a/	6	23
186	Joanna Thomas	28	Mar.11,1936	50	10	5	2	37	a/	15	46
187	W.D. Baker	Spring	do.	59	4	5	12	31	a/	23	31
188	G.L. Newton	32	do.	-	-	-	-	-	a/	88	-
189	D.A. Simpson	38	do.	52	8	5	5	37	a/	16	41
190	A. & C. L. Simpson	Spring	Apr.13,1936	32	-	-	13	18	a/	10	-
191	W.P.A. test well	19	Mar.12,1936	72	8	5	5	24	20	22	41
192	J.E. McGuire	29	do.	119	33	3	10	116	a/	15	94
193	H.L. Toliver	Spring	do.	55	1	3	17	24	a/	22	15
194	G.C. Ruhman	15	Mar.11,1936	29	3	-	8	18	a/	9	10
195	W.P.A. test well	9	Apr.13,1936	530	-	-	-	98	127	172	-
196	G.H. Elliott	34	Mar.12,1936	90	14	5	15	79	a/	17	56
197	Humble Oil Co.	178	May 8, 1936	699	1	3	291	690	8	52	14
198	T.J. Hardaway	49	Apr.14,1936	309	54	8	50	31	a/	182	173
199	M.C. Brisby	19	do.	828	-	-	-	24	31	169	-
200	Mrs. M.F. Ewing	41	do.	49	-	-	19	18	8	13	-
201	W.P.A. test well	26	Apr.15,1936	136	-	-	-	18	13	66	-
202	do.	17	do.	56	-	-	-	49	a/	10	-
203	A. Zinc	48	do.	65	4	6	13	31	a/	27	35
204	R.L. Trantham	Spring	Apr.16,1936	80	-	3	27	49	10	16	14

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205	R.C. Looney	38	Apr.14,1936	90	-	-	-	61	15	12	-
206	J.A. Christion	32	do.	114	-	-	-	37	15	40	-
207	W.P.A. test well	20	do.	28	2	-	9	12	a/	11	5
208	J.H. Reynolds	67	Apr.10,1936	807	92	72	85	207	273	182	526
209	John Christopher	42	Apr.14,1936	34	-	-	-	18	a/	12	-
210	W.P.A. test well	23	June 10,1936	72	-	-	-	18	8	29	-
211	Texas Highway Dept.		Apr.10,1936	52	2	2	16	37	a/	14	15
			Spring								
212	Earle Estate	26	do.	247	-	-	-	67	10	114	-
213	W.P.A. test well	23	Apr.16,1936	100	-	-	-	6	a/	58	-
214	R.C. Earle	40	do.	83	-	-	-	12	a/	47	-
215	Carl Williams	27	Apr.17,1936	48	-	-	-	18	a/	21	-
216	W.P.A. test well	15	do.	90	2	1	31	24	10	34	10
217	J.N. Earle	48	do.	40	-	-	-	24	a/	13	-
218	W.Y. Forrest	12	June 10,1936	136	-	-	-	24	a/	74	-
219	W.P.A. test well	20	May 10, 1936	48	2	-	16	12	10	14	5
220	E.C. Ragsdale	12	Apr.10,1936	79	-	-	30	12	12	31	-
221	Mrs. A.R. Odem	16	Apr.17,1936	30	-	-	-	12	a/	13	-
222	W.P.A. test well	37	do.	-	-	-	-	-	a/	16	-
224	do.	21	Apr. 9,1936	37	-	-	-	24	a/	11	-
225	Guy K. Felps	36	Apr. 7,1936	68	-	-	-	18	a/	34	-
227	Byrd Bros.	34	Apr.17,1936	84	10	8	11	61	a/	25	61
228	J. Rossmeyer	Spring	do.	32	-	-	-	24	a/	8	-
229	W.P.A. test well	34	do.	58	-	-	-	31	a/	21	-
230	L.F. Kirkpatrick	21	Apr.10,1936	24	-	-	-	12	a/	9	-
231	W.P.A. test well	16	do.	62	-	-	-	43	8	10	-
232	J.F. Buchanan	36	Apr.17,1936	38	-	-	-	18	a/	15	-
233	- Bollinger	26	Apr. 7,1936	63	-	-	-	31	a/	24	-
234	C.S. Ousley	22	do.	104	-	-	-	43	a/	44	-
235	W.P.A. test well	12	Mar.17,1936	38	-	-	-	12	8	11	-
236	Lillian Morse	31	Apr. 7,1936	62	-	1	23	37	8	12	5
237	W.P.A. test well	19	Apr. 6,1936	31	-	-	-	18	a/	10	-
238	Mrs. J.H. Martin	24	Apr. 7,1936	54	-	-	-	12	a/	28	-
239	W.S. Ault	33	do.	34	-	1	12	12	a/	15	5

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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 ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
240	W.P.A. test well	30	Apr. 7, 1936	56	-	-	-	12	12	19	-
241	Mrs. J.M. Thompson		do.	42	-	-	-	31	a/	11	-
	Spring										
242	Mrs. I.J. Thompson	56	do.	118	16	-	31	98	a/	14	40
243	J.A. Trotter	27	Apr. 6, 1936	67	-	-	-	18	a/	33	-
244	T.L. Cole	32	do.	418	26	33	59	-	261	39	199
245	Turney School Dist.	36	do.	81	-	-	-	31	a/	36	-
246	W.P.A. test well	17	do.	109	6	8	22	49	25	24	51
247	J.L. Caveness	Spring	do.	58	-	-	-	51	a/	21	-
248	C.L. Arnwise	38	do.	29	-	-	-	18	a/	9	-
249	W.A. Partlow	38	Mar. 17, 1936	89	7	11	13	49	a/	34	62
250	S.W. Leggett	29	Apr. 6, 1936	78	-	-	-	49	a/	24	-
251	K.C. Meadors	35	Apr. 7, 1936	27	-	-	-	18	a/	7	-
252	W.M. Hilton	20	Apr. 6, 1936	70	-	-	-	24	8	25	-
253	W.P.A. test well	11	do.	125	-	-	-	12	56	23	-
254	do.	21	Apr. 3, 1936	39	-	-	16	18	a/	14	-
255	do.	10	do.	9,407	-	-	-	475	4,280	1,250	-
256	J.W. Goodson	45	-	52	-	-	-	18	12	13	-
257	Leb Fry	Spring	Apr. 13, 1936	45	-	-	-	18	a/	19	-
258	W.H. Chandler	50	Apr. 3, 1936	401	35	25	80	24	10	239	193
259	A.A. Monmouth	31	Apr. 1, 1936	129	-	-	50	24	19	48	-
260	J.H. Jones	21	do.	132	-	-	-	43	8	55	-
261	W.P.A. test well	17	Apr. 3, 1936	96	-	1	36	18	8	42	5
262	Wes McCrimon	49	Mar. 31, 1936	116	-	-	-	67	29	13	-
263	J.L. Bailey	55	do.	58	-	-	-	37	8	11	-
264	W.P.A. test well	16	do.	109	-	-	-	18	19	43	-
265	J.T. Brown	39	do.	194	-	-	-	-	62	68	-
266	Arnold McCall	31	Apr. 2, 1936	51	-	-	-	18	a/	23	-
267	C.E. Brazier	38	Mar. 31, 1936	79	-	2	28	37	8	23	10
269	J.L. Lyle	37	-	244	-	6	103	17	a/	127	25
270	Joe L. Bailey	46	Apr. 3, 1936	573	-	-	-	-	359	41	-
271	Rena Herndon	28	Apr. 2, 1936	130	-	-	-	12	44	37	-
272	A.E. Perkin	Spring	Apr. 3, 1936	33	-	-	-	24	a/	8	-
274	Mrs. A. Wallace	38	do.	363	-	-	-	311	46	26	-

a/ Sulphate less than 5 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	hardness as CaCO ₃ (calculated)
275	Bailey Estate	23	Mar. 23, 1936	31	2	1	9	18	a/	10	10
276	S.S. Ray	21	do.	78	4	4	20	37	14	18	26
277	C.R. Bowling	33	Apr. 1, 1936	27	-	-	-	9	a/	13	-
278	L. Christopher	39	Apr. 2, 1936	25	6	-	3	-	a/	16	15
279	Mrs. Stella Richey	35	do.	73	-	-	-	24	12	23	-
280	W.P.A. test well	16	Apr. 4, 1936	132	-	-	-	6	15	68	-
281	B.A. Thompson	27	Apr. 1, 1936	112	-	-	-	21	a/	61	-
282	W.P.A. test well	10	do.	62	-	-	26	49	a/	12	-
301	W.H. McCrary	37	Apr. 2, 1936	37	4	2	7	6	a/	21	20
302	W.P.A. test well	13	do.	40	-	-	-	12	8	12	-
303	S.J. Medford	36	do.	54	-	-	-	15	8	20	-
304	Oscar Applewhite	25	Apr. 22, 1936	32	-	-	-	18	a/	11	-
305	J.L. Kennedy	32	do.	136	-	71	-	-	a/	65	290
306	D.W. Baxter	Spring	do.	32	-	-	-	18	a/	11	-
307	Summers Estate	24	Apr. 29, 1936	76	-	-	-	18	a/	39	-
308	T.S. Phillips	26	Apr. 27, 1936	41	-	-	-	31	2	15	-
309	B.F. Looney	22	do.	80	2	-	30	12	a/	42	5
310	Joe Copeland	34	do.	33	-	-	-	6	-	18	-
311	B.B. Perkins	29	do.	26	-	-	-	12	-	10	-
312	J. Sessions	21	do.	26	-	-	-	12	a/	10	-
313	T.S. Sessions	Spring	do.	119	-	-	-	43	38	19	-
314	R.S. Sessions	19	do.	1,858	-	-	-	171	804	370	-
315	Summers Estate	24	Apr. 29, 1936	60	-	-	-	12	-	32	-
316	Mrs. B.B. Perkins	Spring	Apr. 28, 1936	39	-	-	-	24	-	12	-
317	Mrs. M.B. Perkins	28	do.	109	-	-	-	24	10	48	-
318	R.W. Sales	22	Apr. 23, 1936	109	-	-	-	18	-	60	-
319	W.P.A. test well	21	Apr. 28, 1936	41	-	-	-	18	-	10	-
320	I.N. Moses	29	do.	38	-	-	-	12	-	18	-
321	W.P.A. test well	26	do.	1,034	64	75	133	-	620	142	470
322	Mrs. McCord	59	do.	6,003	51	900	682	610	2,475	1,590	3,838
323	W.H. Shook	20	Apr. 23, 1936	244	30	12	33	37	121	30	127
325	Walter Copeland	19	Apr. 27, 1936	53	-	4	16	31	-	18	15
326	T.I. Frazier	31	Apr. 29, 1936	802	-	-	-	348	276	79	-

a/ Sulphate less than 5 parts per million.

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

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
327	Sue Frazier	Spring	Apr. 29, 1936	69	-	2	24	37	6	19	10
328	B.F. Looney	37	Apr. 27, 1936	715	-	-	-	12	407	82	-
329	Cora Banks	24	Apr. 29, 1936	149	-	4	46	6	71	25	15
330	J.L. Kennedy	25	Apr. 22, 1936	305	-	-	-	12	106	93	-
331	W.P.A. test well	21	do.	73	-	-	29	12	-	38	-
332	W.H. Mannion	32	do.	435	26	28	85	24	132	152	179
333	Rusk Club Lake	11	do.	90	-	1	36	61	-	23	4
334	W.P.A. test well	30	Mar. 31, 1936	206	-	-	-	12	79	54	-
335	Wm. Kennedy	19	do.	733	58	50	101	-	457	67	351
336	Leroy Kyle	23	Apr. 22, 1936	194	-	-	-	6	29	88	-
337	W.P.A. test well	17	-	80	4	4	18	12	32	16	26
338	Wade Kennedy	26	Mar. 31, 1936	207	-	-	-	24	121	10	-
339	D.W. Baxter	13	Apr. 29, 1936	434	-	-	-	6	282	19	-
340	W.P.A. test well	17	Apr. 22, 1936	1,169	70	71	184	-	770	74	464
341	D. Applewhite	21	Apr. 29, 1936	78	-	-	-	24	-	37	-
342	C.A. Gifford	38	do.	78	-	-	-	67	-	15	-
343	W.P.A. test well	11	Apr. 27, 1936	78	-	-	30	12	10	32	-
344	do.	16	do.	167	-	-	-	12	134	27	-
345	do.	18	Apr. 29, 1936	58	-	-	-	9	25	10	-
346	J.C. Kelley	38	Apr. 30, 1936	32	-	-	-	12	-	14	-
347	- Kelley	Spring	do.	38	-	-	-	18	-	15	-
349	H.B. Wade	26	do.	91	-	-	-	12	15	38	-
350	W.P.A. test well	17	do.	534	46	40	48	-	374	26	280
351	J.W. Lanier	27	do.	132	-	-	-	12	54	29	-
352	H.T. Tidwell	32	do.	66	-	18	-	37	-	30	76
353	W.H. Shook	Spring	do.	54	-	-	-	43	-	12	-
354	C.E. Ramey	50	May 8, 1936	63	-	-	-	12	8	27	-
355	Fred Sardon	20	May 7, 1936	62	-	-	24	12	8	24	-
357	F.B. Bradford	35	Apr. 30, 1936	38	-	-	-	18	-	15	-
358	W.P.A. test well	19	do.	45	-	-	-	24	-	16	-
359	Ader Hill	25	do.	31	-	-	-	18	-	10	-
360	Garfield Thompson	38	May 7, 1936	42	-	-	-	18	-	17	-
361	W.P.A. test well	15	May 4, 1936	63	-	-	-	18	12	20	-
362	Summers Estate	Spring	do.	40	-	-	-	24	-	13	-

Partial analyses of water from wells in Cherokee County - Continued

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
363	Jessie Gray	57	May 4, 1936	60	-	-	21	-	-	39	-
364	W.P.A. test well	28	do.	44	-	-	-	24	8	8	-
365	M.G. Hazell	37	May 7, 1936	37	-	-	-	12	8	10	-
367	O.L. Edwards	39	June 25, 1936	62	-	-	-	24	11	17	-
368	J.H. Thompson	48	May 5, 1936	85	-	-	-	24	12	31	-
369	Mrs. F.M. Hudson	34	do.	88	-	-	-	6	8	46	-
370	R.R. Middleton	39	June 25, 1936	99	14	1	25	92	-	13	40
371	E.B. Todd	Spring	do.	39	-	-	-	31	-	9	-
372	W.P.A. test well	15	June 26, 1936	34	-	-	-	24	-	9	-
373	W.L. Ellington	40	May 4, 1936	45	-	-	-	18	-	19	-
374	W.T. Brown	50	May 5, 1936	61	2	4	16	12	4	29	20
375	H.O. McMinn	47	May 4, 1936	114	-	-	-	31	-	57	-
376	W.P.A. test well	51	May 1, 1936	424	34	36	35	-	294	25	235
377	Cindy Kennedy	28	Apr. 30, 1936	129	-	4	44	43	23	37	15
378	W.P.A. test well	23	May 1, 1936	52	-	-	-	30	-	17	-
379	do.	24	Apr. 29, 1936	48	6	-	13	18	-	20	14
380	Sam Williams	39	May 1, 1936	56	-	-	-	24	-	23	-
381	J.B. Malone	Spring	do.	28	-	1	10	18	-	8	5
382	A.S. Daniels	25	do.	135	-	-	-	12	-	80	-
383	W.P.A. test well	32	Apr. 24, 1936	57	-	-	-	18	-	27	-
384	do.	23	Apr. 22, 1936	48	-	-	-	18	6	16	-
385	F.H. Manning	36	Apr. 23, 1936	39	-	-	-	24	-	12	-
386	R. Hooper	20	do.	55	-	-	22	18	-	24	-
387	Summers Estate	Spring	do.	39	-	-	-	24	-	12	-
388	Mary Lamb	31	do.	30	-	-	-	12	-	13	-
389	C.E. Jenkins	38	Apr. 1, 1936	156	-	-	-	21	8	82	-
390	J.W. Smith	32	do.	29	-	-	-	15	-	11	-
391	H.N. Hicks	37	Apr. 6, 1936	42	-	-	-	18	10	8	-
392	do.	Spring	do.	33	2	1	11	18	-	10	10
394	A.G. Adams	30	Apr. 3, 1936	58	-	1	20	6	8	26	5
395	W.P.A. test well	28	Apr. 23, 1936	178	-	-	-	98	32	33	-
396	W.J. Buffords	35	do.	36	-	-	-	6	-	20	-
397	-	Spring	do.	21	-	2	5	12	-	8	10
398	W.P.A. test well	31	do.	49	-	-	20	12	-	23	-
399	Mrs. C.E. Hunter	82	do.	531	51	56	30	12	363	25	357

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

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
400	State of Texas	1,183	June 29, 1936	355	-	1	149	366	6	16	4
401	A.D. Smith	40	May 6, 1936	138	-	-	-	92	12	17	-
402	W.P.A. test well	27	May 1, 1936	89	-	-	-	37	-	38	-
403	W.F. Payne	42	May 12, 1936	67	-	-	-	18	8	26	-
405	Chas. Thompson	35	May 11, 1936	22	-	-	-	12	-	8	-
406	W.P.A. test well	11	do.	26	-	-	10	12	8	2	-
407	E.B. Parks	30	June 22, 1936	61	-	-	-	12	15	19	-
408	S.W. Lang Estate	Spring	do.	58	-	-	-	12	10	22	-
409	Robert Pryer	36	May 11, 1936	51	-	-	-	12	8	19	-
410	Alvin Sherman	41	do.	71	-	-	-	12	19	22	-
411	W.P.A. test well	26	do.	29	-	-	11	12	6	6	-
412	do.	25	May 1, 1936	37	-	-	-	12	4	14	-
413	G.M. Hall	23	do.	327	-	-	-	18	48	156	-
414	W.P.A. test well	34	May 5, 1936	95	-	-	-	55	12	21	-
416	State of Texas	Spring	June 12, 1936	24	-	-	-	12	-	9	-
417	Miss L. Reaves	28	May 1, 1936	29	-	-	12	18	-	8	-
418	Mrs. Betty Ferguson	36	Apr. 23, 1936	31	-	-	-	18	-	10	-
419	J.F. Scurlock	42	do.	51	-	-	-	12	-	26	-
420	Mrs. J.L. Cole	16	Apr. 6, 1936	44	2	-	15	18	8	10	5
421	W.P.A. test well	30	Apr. 7, 1936	67	-	-	27	24	-	28	-
422	E.C. Cummings	31	Feb. 27, 1936	249	16	30	39	159	-	85	164
423	do.	Spring	do.	76	6	1	19	24	28	10	20
424	Ora Allen	25	June 12, 1936	63	-	-	-	61	-	8	-
425	Mrs. E.S. Jones	Spring	Apr. 21, 1936	36	-	-	15	18	-	12	-
426	W.L. Murrah	64	do.	64	-	2	12	-	31	19	10
427	J.M. Grishom	34	do.	44	-	-	-	37	-	9	-
429	L. B. Halbert	Spring	June 12, 1936	41	-	-	-	6	10	14	-
430	Joe Lloyd	36	Apr. 21, 1936	51	-	-	-	24	-	20	-
431	W.P.A. test well	29	May 5, 1936	41	-	-	-	12	12	9	-
432	Eldon Jones	20	May 1, 1936	87	-	-	-	43	-	33	-
433	W.P.A. test well	46	May 6, 1936	59	-	1	22	37	8	10	5
434	R.P. Stewart	32	May 1, 1936	24	-	1	8	12	-	9	5
436	Summers Estate	24	May 12, 1936	83	-	-	32	18	10	32	10
437	J.L. Joplin	34	May 11, 1936	62	-	-	-	18	13	18	-
438	R.W. Berry	22	June 25, 1936	140	-	-	-	134	8	12	-

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
439	W.O. Berry	11	May 11, 1936	43	-	-	-	18	-	18	-
440	J.B. Barefield	23	May 12, 1936	232	-	-	-	-	125	35	-
441	Summers & Rombson		do.	71	-	-	26	18	24	12	-
		Spring									
442	C.B. Odom	28	do.	56	-	-	-	18	-	26	-
443	J.T. Wallace	30	-	38	-	-	-	18	4	11	-
445	J.C. Wallace	71	May 12, 1936	313	7	20	84	12	-	196	102
446	W.P.A. test well	30	do.	38	-	-	-	31	-	8	-
447	J.T. Bradshaw	20	May 1, 1936	52	-	-	-	37	-	14	-
448	Lewis Butler	45	Apr. 21, 1936	49	-	-	-	37	-	12	-
449	W.P.A. test well	31	May 4, 1936	59	4	-	19	37	12	6	10
450	O.P. Lenzy	33	Apr. 21, 1936	38	-	-	-	18	-	15	-
451	W.P.A. test well	52	May 28, 1936	47	-	-	-	18	8	13	-
452	Lovey Duke	45	Apr. 21, 1936	376	10	8	122	37	29	189	61
453	Will Jones	29	June 12, 1936	50	-	-	-	18	8	15	-
454	W.P.A. test well	19	Apr. 21, 1936	65	-	-	-	12	19	18	-
455	Dan Newton	31	Apr. 20, 1936	52	-	-	-	6	-	30	-
456	W.P.A. test well	41	Apr. 21, 1936	44	-	-	18	18	-	17	-
457	do.	30	Apr. 20, 1936	83	-	-	-	73	4	11	-
458	W.H. Odem	33	do.	74	-	-	-	12	-	41	-
459	B.T. Burnett	19	do.	24	-	-	-	6	-	12	-
460	J.A. Durrett	21	do.	77	10	5	13	49	-	25	46
461	C.L. Dial	31	June 12, 1936	159	11	13	32	79	8	56	82
462	Gus French	23	do.	101	-	-	-	12	-	58	-
463	W.P.A. test well	23	May 28, 1936	43	2	-	15	18	-	17	5
464	Bud Odem	30	Apr. 21, 1936	49	-	-	-	12	-	25	-
465	Irno Rock Co.	24	May 1, 1936	34	-	-	-	12	4	12	-
466	S.W. Scott	44	May 6, 1936	107	-	11	41	12	-	59	4
467	J.T. Ball	Spring	do.	74	-	-	-	43	-	25	-
468	do.	37	do.	120	-	-	-	49	24	29	-
469	H.E. Ross	34	do.	128	-	-	-	6	24	57	-
470	Lotis A. Sherman	30	May 1, 1936	120	-	-	-	24	8	57	-
471	J.J. Nally	22	June 12, 1936	53	-	-	-	24	8	14	-
472	W.P.A. test well	9	June 30, 1936	118	-	-	-	31	30	32	-
473	J.W. Gay	17	Apr. 10, 1936	39	-	-	-	24	-	13	-

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

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na & K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
474	W.E. Grishem	29	June 12, 1936	24	-	-	-	18	-	6	-
475	E.W. Kelly	31	Apr. 10, 1936	85	14	7	7	12	-	51	66
476	C.S. Ousley	Spring	do.	34	-	-	-	24	-	9	-
477	T.M. Harris	do.	Apr. 20, 1936	29	-	-	-	18	-	9	-
478	Francis Glass	38	do.	52	-	-	-	6	21	11	-
479	E.W. Green	28	Apr. 10, 1936	109	-	-	-	37	17	35	-
481	John Chapman	43	Apr. 17, 1936	40	-	-	-	12	8	12	-
482	T.D. Choate	36	do.	58	-	-	-	-	8	30	-
483	John Taylor	29	Apr. 16, 1936	33	-	1	12	18	-	11	5
484	C.C. Sides	46	Apr. 15, 1936	279	-	-	-	92	12	119	-
485	do.	Spring	do.	34	-	1	12	12	-	15	5
486	Federal Land Bank	14	do.	50	2	-	21	31	12	10	5
487	W.P.A. test well	23	do.	77	-	-	-	43	12	16	-
488	Weaver Bros. and Thompson	37	do.	100	-	-	-	24	-	51	-
489	W.P.A. test well	41	do.	421	6	3	154	18	4	245	28
490	Hubert Black	31	do.	188	-	-	-	79	44	39	-
491	J.L. Shelton	Spring	do.	119	-	-	-	18	-	66	-
492	J.R. Batton	46	do.	140	14	-	31	140	-	26	35
493	E. McMahon	49	do.	392	-	-	-	18	67	180	-
494	Alex Jones	36	Apr. 16, 1936	63	-	-	-	24	12	17	-
495	E.W. Mullinax	Spring	do.	26	-	-	-	12	-	10	-
496	T.F. Mullinax	25	Apr. 17, 1936	33	8	6	-	6	-	16	45
497	R.W. Williams	36	do.	30	-	-	-	12	-	13	-
498	J.M. Allen	32	do.	350	30	6	72	-	190	52	101
499	A.L. Moody	31	Apr. 16, 1936	69	-	-	-	12	10	29	-
500	F.E. Boone	28	Apr. 15, 1936	39	-	-	-	31	-	9	-
501	South Pine Lumber Company	Spring	Apr. 16, 1936	38	-	-	-	18	-	15	-
502	Texas State Forest #3	1,420	May 27, 1936	864	-	-	370	950	-	19	-
503	R.A. French	-	Apr. 17, 1936	274	-	-	-	-	156	34	-
504	Mrs. E. McGadden	Spring	do.	21	-	-	-	12	-	7	-
505	W.P.A. test well	12	May 28, 1936	211	-	-	-	12	63	72	-
506	Bud Bolton	22	Apr. 17, 1936	186	-	-	-	-	117	13	-

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
507	W.P.A. test well	11	May 28, 1936	2,124	95	141	390	-	1,098	400	817
508	Mrs. S.R. Batton	40	May 27, 1936	131	-	-	-	6	15	67	-
509	Mrs. Abbie Stewart	21	do.	58	-	-	-	37	-	18	-
510	Eugene Roach	27	do.	187	-	-	-	18	-	110	-
601	Masters Heirs	26	June 25, 1936	221	-	-	-	-	146	9	-
603	W.P.A. test well	28	do.	181	3	7	33	-	123	15	370
604	Roy Hassell	22	June 22, 1936	112	4	3	32	31	34	24	25
605	W.P.A. test well	16	do.	76	-	-	-	18	11	29	-
606	do.	21	do.	133	-	-	-	24	39	37	-
607	J.O. Huggins	15	do.	119	-	-	-	6	43	34	-
608	W.C. Jones	49	May 5, 1936	86	-	-	-	6	-	52	-
609	Walter Beard	40	do.	45	-	5	11	18	-	20	20
610	Wilmer Rozelle	51	June 17, 1936	61	-	-	-	48	8	14	-
611	C.L. Netters	50	do.	87	3	8	20	37	-	38	41
612	do.	Spring	do.	38	-	-	16	24	-	10	-
613	W.M. Armstrong	51	do.	37	-	-	-	12	-	17	-
614	W.P.A. test well	15	do.	117	-	-	-	98	12	12	-
615	J.J. Tullis	42	do.	53	-	-	-	24	8	14	-
616	W.P.A. test well	27	do.	476	66	44	61	415	-	98	346
617	R.A. Rogers	32	May 4, 1936	27	-	-	-	12	-	11	-
618	W.P.A. test well	42	May 7, 1936	93	-	-	-	12	8	46	-
619	T.F. Martin	19	do.	51	-	-	-	12	8	19	-
620	Hugh Dickey	37	May 8, 1936	35	-	-	-	12	8	9	-
622	W.S. Satterwhite	34	May 4, 1936	55	-	-	-	43	-	13	-
623	W.P.A. test well	30	June 1, 1936	90	-	-	-	79	-	16	-
624	F.E. Salmond	25	May 7, 1936	100	-	-	-	18	15	41	-
625	Albert Sibley	28	May 8, 1936	42	-	-	-	12	13	9	-
626	H.M. Berryman	34	June 29, 1936	57	-	-	-	37	-	17	-
627	W.H. Brunt	30	do.	71	-	-	-	18	-	36	-
628	H.H. Berryman	39	do.	41	7	6	-	12	-	21	41
629	W.P.A. test well	22	do.	24	-	-	-	12	-	9	-
630	Mrs. D.D. Banks	38	May 7, 1936	76	-	-	-	12	8	35	-
631	Soule and Davis	39	May 8, 1936	39	-	-	15	12	8	10	-
632	James Williams	39	June 19, 1936	47	-	-	-	24	8	10	-
633	W.P.A. test well	25	do.	48	14	1	1	12	10	16	40

Partial analyses of water from wells in Cherokee 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)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
634	A.J. Vincent	45	June 19, 1936	78	-	1	29	6	-	45	5
635	E.E. Lanier	17	June 30, 1936	35	-	-	-	18	4	9	-
636	W.P.A. test well	15	May 29, 1936	88	-	-	-	73	10	9	-
637	do.	19	do.	140	-	-	-	126	8	15	-
638	M.E. Goff	21	June 30, 1936	41	-	-	-	37	-	7	-
639	W.P.A. test well	14	May 29, 1936	69	-	-	-	24	8	24	-
640	A.J. McCuiston	26	June 19, 1936	30	-	-	-	12	-	13	-
641	W.P.A. test well	14	May 29, 1936	61	-	-	-	37	10	11	-
642	C.W. Marshall	19	June 30, 1936	27	-	-	-	18	-	8	-
643	W.P.A. test well	13	May 29, 1936	90	2	1	31	24	10	34	10
645	F.C. Dickey	23	June 30, 1936	397	136	85	64	-	78	34	686
646	W.P.A. test well	19	June 2, 1936	255	-	-	-	250	10	22	-
647	Mrs. M. Pratt	29	do.	56	-	-	-	24	10	14	-
648	A.G. Geter	32	May 15, 1936	331	-	-	-	195	28	83	-
649	W.P.A. test well	21	June 2, 1936	103	2	-	39	12	-	56	5
650	do.	22	do.	57	-	-	-	12	10	21	-
651	Mrs. G.E. Covington	16	May 14, 1936	67	-	-	-	12	8	29	-
652	W.P.A. test well	27	June 2, 1936	46	-	-	-	12	12	12	-
653	L.F. Hill	27	May 14, 1936	309	32	30	45	153	-	126	204
654	W.P.A. test well	9	June 1, 1936	88	10	4	18	49	10	22	41
655	C.E. Mallory	31	May 14, 1936	190	-	-	-	43	-	99	-
656	W.P.A. test well	17	June 1, 1936	127	-	-	-	61	15	37	-
657	City of Alto	525	June 1, 1936	446	-	-	-	513	-	14	-
658	do.	557	do.	611	-	-	260	617	-	43	-
659	Alto Gin & Crate Co.	264	do.	202	23	12	34	110	54	24	107
660	W.P.A. test well	12	June 26, 1936	236	-	-	-	244	-	22	-
661	M. E. McClure	66	June 29, 1936	101	-	-	-	73	10	17	-
662	W. Taylor	30	June 26, 1936	47	-	-	-	30	8	7	-
663	J.H. Singletary	51	June 17, 1936	71	-	-	-	12	8	32	-
664	G.E. Singletary	30	June 26, 1936	99	-	-	-	6	45	19	-
666	W.P.A. test well	32	June 8, 1936	40	-	-	16	12	-	18	-
667	do.	25	do.	73	-	-	-	24	10	25	-
668	C.F. Holcomb	Spring	June 22, 1936	32	-	-	-	12	-	14	-
669	J.B. Schuchler	31	do.	141	-	34	34	12	43	24	15
670	Mrs. O.D. Rogers	34	June 25, 1936	190	-	-	-	6	101	27	-

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
671	W.P.A. test well	29	June 8, 1936	36	-	1	11	-	10	14	5
672	R.F. Wallace Spring		do.	18	-	-	-	6	-	8	-
673	W.P.A. test well	29	do.	45	-	-	-	24	8	9	-
674	do.	33	June 4, 1936	170	6	4	54	12	8	92	31
676	do.	23	June 3, 1936	43	-	-	-	12	8	14	-
678	do.	34	do.	374	-	-	-	323	50	23	-
679	Lem Felder	29	June 11, 1936	38	2	1	12	18	-	14	10
680	W.P.A. test well	19	June 1, 1936	66	-	-	-	24	15	16	-
681	S.V. Henderson	41	June 26, 1936	48	-	2	16	18	-	21	10
682	John Darr	28	do.	40	-	-	-	24	-	13	-
684	R.J. Felder	16	June 11, 1936	95	-	-	-	42	-	38	-
686	W.P.A. test well	33	June 5, 1936	73	18	7	-	24	10	26	76
687	Mary Henson	22	May 14, 1936	529	-	-	-	31	8	315	-
688	W.P.A. test well	12	June 1, 1936	633	44	77	103	647	8	78	425
689	D.E. Spencer	24	May 8, 1936	1,686	120	73	362	18	567	555	599
690	Mrs. Ellamie McCullough	17	May 21, 1936	39	-	-	-	13	4	15	-
691	W.E. Bailey	33	do.	160	-	-	-	43	-	80	-
692	W.P.A. test well	31	May 22, 1936	55	-	-	-	-	27	11	-
693	Tom Niker	19	May 14, 1936	316	-	-	-	6	-	199	-
694	G.W. Harry	24	May 21, 1936	-	-	-	-	6	13	51	-
695	Mrs. Georgie Martin	35	June 2, 1936	-	-	-	-	18	-	13	-
696	W.P.A. test well	41	May 19, 1936	55	6	-	15	24	10	12	15
697	Ollie Campbell	15	May 21, 1936	71	-	-	-	12	-	39	-
698	W.P.A. test well	39	May 19, 1936	25	-	-	-	-	-	16	-
699	do.	25	June 11, 1936	55	-	-	-	6	10	23	-
700	Ernest Felder	53	do.	157	-	-	-	36	35	50	-
701	W.P.A. test well	47	June 5, 1936	77	-	-	-	18	23	19	-
702	do.	10	do.	92	-	-	-	24	8	39	-
703	Cherokee Land and Irrigation Co.	42	May 13, 1936	42	2	-	15	18	-	16	6
704	G.W. O'Neal	30	May 21, 1936	50	-	-	19	6	4	24	1
705	W.P.A. test well	48	May 20, 1936	31	-	-	-	12	12	3	-
706	Major Robinson	20	May 21, 1936	41	-	-	16	12	-	19	1
707	E.R. McClain	34	do.	34	-	-	-	6	-	19	-

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
709	Mrs. Lilly Spears	43	May 13, 1936	30	-	-	-	12	-	13	-
710	W.P.A. test well	25	May 18, 1936	80	-	-	-	18	23	21	-
711	E.G. Williams	28	May 13, 1936	49	-	-	-	18	-	22	-
712	W.P.A. test well	53	May 20, 1936	42	-	-	-	24	-	14	-
714	Louis Latham	49	do.	52	6	-	13	12	10	17	16
715	J.F. Magrill	58	May 13, 1936	21	-	-	-	12	-	7	-
716	Chronister Lumber Co.	50	May 20, 1936	41	-	-	-	12	-	20	-
717	J.F. Barker	36	May 18, 1936	8,284	237	117	2,650	-	4,530	750	1,073
718	Ben F. Bailey	28	do.	131	-	-	-	18	10	65	-
719	W.P.A. test well	26	May 21, 1936	53	2	1	16	12	12	16	10
720	C. Holsomback	42	May 18, 1936	40	-	-	-	12	10	10	-
721	J.W. and W.R. Ellerbee	43	do.	50	-	-	19	12	8	17	-
722	P.O. Stokes	28	do.	47	-	-	-	12	-	24	-
723	T.B. Warner	39	May 20, 1936	78	-	-	-	49	8	17	-
724	Dr. Jim Hill	19	do.	64	-	-	-	6	10	29	-
725	E.B. Bailey	43	May 18, 1936	334	-	-	-	183	23	96	-
726	W.H. Bailey	39	May 20, 1936	953	228	2	94	317	380	91	580
727	R.E. Lee	16	do.	125	6	-	43	49	10	42	16
728	City of Wells	400	May 15, 1936	231	15	30	26	134	62	31	162
729	E.R. Spinks	21	do.	147	-	-	-	37	47	32	-
730	Mrs. N.W. Sanders	34	do.	824	88	63	115	171	212	261	478
731	Miller Dial	15	May 13, 1936	71	5	-	21	12	15	24	14
732	W.P.A. test well	23	do.	4,952	870	200	480	24	2,050	1,340	2,996
734	Littlejohn Simpson	18	May 19, 1936	177	-	-	-	12	67	46	-
735	L.L. Simpson	22	do.	88	12	-	18	12	32	20	31
736	B.Y. Goodwin	21	do.	417	-	-	-	18	150	121	-
737	J.L. Reese	16	do.	139	-	-	-	6	56	35	-
738	A.C. Chandler	23	do.	198	-	-	-	12	19	103	-
454a	Dialville School	-	Oct. 10, 1936	24	-	5	-	24	a/	7	21

a/ Sulphate less than 5 parts per million.