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STATE BOARD OF WATER ENGINEERS

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HENDERSON COUNTY, TEXAS

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

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WORKS PROGRESS ADMINISTRATION

GROUND WATER SURVEY

PROJECT 2076

W. M. Lyle

Project Superintendent

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

WORKS PROGRESS ADMINISTRATION

PROJECT 2992

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

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Austin, Texas
Sept. 15, 1936

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

The purpose of this survey was to obtain all the information possible concerning the source and the quantity and quality of ground water available for domestic, stock, irrigation, industrial, and public use.

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 2992 at Austin, Texas, sponsored by the State Board of Water Engineers. This report was typed and assembled by typists and draftsmen employed on this project.

The field work was started in Henderson County on January 27, 1936 as Project 2076 of District 5 of the Works Progress Administration, Palestine, Texas. W. M. Lyle, a geologist, was project superintendent. Mr. Lyle completed the field work in the county on May 18, 1936. This project included Van Zandt and Wood Counties but since these counties were located in the Dallas and Marshall WPA Districts, work has not been started in either county.

Great credit should be given to the Palestine District office of the Works Progress Administration for their constant cooperation on this project. Mr. Lyle should be given credit for his great interest and for the many extra hours he spent on the project.

This report contains the well and spring records and well logs obtained by the project superintendent, logs of the test wells drilled by the W. P. A. labor and the chemical analyses of water from privately owned wells and springs and from the test wells. Locations of all wells and springs mentioned are shown on Plates 2 to 9, inclusive, in the back of the report. Plate 1 is an index map showing the portion of the county that is covered by each of the other plates.

The test wells were drilled by hand, using a soil auger, drop auger, small 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 Henderson County, Texas

(All wells are bored or drilled unless otherwise noted in Remarks)

No.	Distance from Aley See Plate I.	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
1	8 miles east	O.P. Hooper	W.P.A. Test well	Cecil Noble	1936	27	3	0
2	10 miles east	D. McNeil	Phoenix Realty Co.	Jim Beets	1924	25	2	0
3	9½ miles northeast	H. Abel	W.P.A. Test well	Cecil Noble	1936	16	3	0
e/4	9½ miles northeast	do.	Phoenix Realty Co.	Trinity Farm Co.	1930	14	2	0
5	8½ miles northeast	Buford Shankle	Fletch Hooker	--	--	20	2	1.7
6	7 miles northeast	Thomas Berry	J.A.Harris	Len Bond	--	49	6	1.0
7	6½ miles northeast	B. Brown	Jane Duncan	--	1930	43	8	3.0
8	6½ miles east	W. Huson	N.B. Ivey	W.D.Bonds	1919	49	12	2.5
9	5-1/4 miles northeast	Saml. C. Box	Matty E. Aday	--	--	41	18	3.0
10	4½ miles northeast	B. Hardman	Rock Flint	--	1926	60	18	0.5
11	3½ miles northeast	John Smith	Bassett Blakely	--	1934	40	18	3.0
12	3 miles northeast	Wm. Lunday	Sam Blythe	--	--	30	18	3.0
13	3-1/4 miles northeast	Wm. Lunday	H.D.Henson	Marvin Henson	--	20	18	3.0
e/14	do.	do.	do.	do.	1930	63	8	--
15	3 miles northeast	D. O. Williams	J. B. Johnson	Tom Armstrong	1916	114	36	2.0
16	1-3/4 miles northeast	do.	H. Prignere	John Sanders	1932	30	36	4.0
17	1 mile northeast	do.	Mrs. M. E. Hornsby	Wm. Bond	--	18	18	3.0
18	1½ miles north	Henry Jeffreys	Sam Clamon	--	--	17	18	2.0
19	3 miles north	O.Hendricks	Joe Witoski	--	--	35	36	3.0
20	2-3/4 miles northeast	S.P. Giles	J. A. Johnson	W. C. Pritchett	1910	20	--	3.0

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.
 b/ T, turbine; Sta, steam; G, gasoline engine or tractor; W, windmill; H, hand. Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric.

Records obtained by W. M. Lyle, Project Superintendent
(Chemical analyses of water from those wells are
given in the table of analyses)

No.	Water Level		Pump and kind and amount of power <u>b/</u>	Use of water <u>c/</u>	Remarks
	Above + below - measur- ing point (feet)	Date of measure- ment.			
1	-26	Mar. 4, 1936	None	N	Bored in river bottoms. See log.
2	-15	Mar. 3, 1936	C,H	D,S	Ample supply of water. Driven well.
3	-14	do.	None	N	Struck water at 15 feet. See log.
4	0	Feb. 16, 1936	C,H	D,S	Plenty of water. Bored well with sand point.
5	-17.0	Feb. 28, 1936	C,H	D,S	Bored well. Never fails.
6	-45	do.	B,H	D,S	Well can be bailed dry.
7	-39.0	do.	B,H	D,S	Bored well with wood casing.
8	-49.5	Mar. 9, 1936	B,H	D,S	Do.
9	-37.0	Feb. 29, 1936	B,H	D,S	Do.
10	-50	<u>d/</u>	C,G	D,S	Well can be pumped dry in one hour at 10 gallons a minute.
11	-50	Feb. 29, 1936	B,H	D,S	Water supply adequate but water level can be lowered with bucket.
12	-30	do.	B,H	D,S	Never fails. Lignite particles in water.
13	-18	do.	B,H	N	Water comes from quicksand, dug well.
14	--	--	None	N	Dry hole bored on top of hill.
15	-5.0	Feb. 29, 1936	B,H	D	Dug well with no curbing.
16	-26.0	Feb. 24, 1936	B,H	D,S	Dug well with wood curbing.
17	-16.0	Feb. 29, 1936	B,H	D,S	Water found below rock. Strong taste of sulphur.
18	-15.0	Feb. 27, 1936	B,H	D,S	Bored well with wood casing.
19	-31.0	Feb. 29, 1936	B,H	D	Dug well with brick curbing.
20	-13.5	do.	B,H	--	Do.

c/ I, irrigation; Ind, industrial; P, public; D, domestic; S, stock; N, not used.
d/ Water level reported and no date given.
c/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Aley See Plate I	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
21	2½ miles northeast	S.P. Gilles	J.E. Murphy	J.E. Murphy	1908	10	36	3.0
e/22	do.	Pennell	W.P.A. test well	Cecil Noble	1936	18	3	0
23	2-1/4 miles northeast	do.	Jnc. Bruner	Jnc. Bruner	1935	16	18	2.0
24	2 miles northeast	do.	W.P.A. test well	Wm. Lyle	1936	13	3	0
25	2-1/4 miles northeast	Thos. O. Meux	S. E. Reed Heirs	-- Gray	1910	10	36	3.0
26	3 miles northeast	T. Box	J. A. Johnson	J. A. Johnson	1910	16	48	0
e/27	do.	G.S. Cole	W.P.A. test well	W.M. Lyle	1936	18	3	0
e/28	do.	do.	do.	do.	1936	12	3	0
29	2-3/4 miles northeast	do.	do.	do.	1936	13	3	0
30	do.	do.	Herlin Morrison	--	1910	8	60	0
e/31	2½ miles northeast	T. Box	W. Jackson	W. Jackson	1925	21	36	2.8
e/32	3 miles northeast	David Muckleroy	J.R. Bruner	--	--	20	6	0
33	3 miles east	do.	W. T. Phillips	W. T. Phillips	1901	13	36	2.0
34	2-1/4 miles east	Jas. Love	S. E. Pritchett	S. E. Pritchett	1935	25	36	3.0
35	1-1/4 miles east	do.	T. B. May	T.B. May	1935	36	36	3.0
36	do.	Hershel Gorzine	Loan Co.	--	1910	35	8	3.0
37	1/4 mile east	do.	J.J. Wingo	J.J. Wingo	1933	22	36	2.0
38	In Aley	J. Clapp	J. J. Patterson	--	1918	22	36	3.0
39	do.	do.	do.	Geo. Henson	1935	22½	18	3.0
40	3/4 miles west	H.S. Allen	Aley High School	--	1931	22	2	0
41	1-1/4 miles west	J. Barker	Virgil Thomas	T. A. Armstrong	--	47½	36	3.0

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Stm, stern; G, gasoline engine or tractor; W, windmill; H, hand. Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power <u>b/</u>	Use of water <u>c/</u>	Remarks
	Above + below - measur- ing point	Date of measure- ment.			
21	-7.4	<u>d/</u>	B,H	D,S	Dug well with brick curbing.
22	--	--	None	N	Old well deepened without success. See log.
23	-7.7	Feb.24, 1936	B,H	D,S	Water level gets low in summer.
24	-9.0	Feb. 25, 1936	None	N	Water sand at 9 feet. See log.
25	-10.0	Feb. 24, 1936	B,H	D,S	Dug well with brick curbing.
26	-18.3	do.	B,H	D	Dug well with brick curbing.
27	--	--	None	N	See log.
28	--	--	None	N	Well is incomplete; hard rock at 12 feet. See log.
29	-7.0	Feb.24, 1936	None	N	See log.
30	-4.0	do.	B,H	D,S	Water rose to level of 4 feet, 15 minutes after sand was penetrated. Dug well with wood casing.
31	-19.0	Mar. 2, 1936	B,H	D,S	Dug well with no casing.
32	-19.0	Mar. 6, 1936	B,H	N	Well abandoned and filled because water was salty.
33	-10.0	Feb.20, 1936	B,H	D	Dug well with brick curbing. Never fails.
34	-17	Feb. 24,	B,H	D,S	Water level is lowered in dry seasons. Dug well with brick curbing.
35	-33.3	Feb.20, 1936	B,H	D,S	Dug well with brick curbing.
36	-30.0	do.	B,H	D	Bored well with wood curbing.
37	-21.0	Feb.25, 1936	B,H	D,S	Dug well with wood curbing.
38	-17.0	do.	B,H	D,S	Dug well with brick curbing.
39	-17.5	do.	B,H	D,S	Dug well with wood curbing.
40	-12.0	<u>d/</u>	C,H	D,	Sand from 9 to 22 feet. Dug well.
41	-40.0	Feb.27, 1936	B,H	D,S	Water from 3 foot of sand and gravel. Dug well.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Record of wells in Henderson County--Continued

No.	Distance from Aley See Plate I	Survey	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (in.)	Height of measuring point above ground(ft.) ^{a/}
42	2 miles west	J. Barker	J.T. Thomas	Will Bond	1918	52	6	3.0
43	2-3/4 miles west	H. T. Moore	W.V. Johnson	N. Aday	1911	57	6	2.4
44	4 miles west	Ridley B. Thomas	O.B. Gausq Heirs	Albert Williams	----	39½	16	3.0
45	5½ miles west	A. F. McCarty	K.B.L.Club	--	---	44	12	2.0
46	2-1/4 miles southwest	Woodson Henry	W.B. Byers	John Sanders	1916	46	24	2.0
47	3 miles southwest	W. Henry	Bon Blyth	--	---	27	18	2.0
48	2½ miles southwest	Woodson Henry	W.D. Byers	--	---	Spring	--	--
e/49	2½ miles southwest	W. Henry	W.P.A. test well	Cecil Noble	1936	18	3	0
50	2 miles south	J.P.Haynes	H.A.Justice	--	---	43	24	3.0
e/51	1½ miles south	James Tabor	J.R. Patterson	Joe Estes	1930	20	--	2.0
52	1-1/4 miles south	do	do.	John Sanders	1925	48	18	2.0
53	2 miles south	J.P.Haynes	W.R. Burns	John Bonds	1906	61	18	2.0
54	2-1/4 miles southeast	A.B.Patton	Wm. King	Jim Mathis	1915	22	36	2.8
55	2½ miles southeast	J. Briggs	Land Bank	--	---	24½	36	3.0
e/56	2-3/4 miles southeast	A.B. Patton	T. F. Thornton	--	1903	17	36	3.0
57	3-3/4 miles southeast	Geo. Hancock	John Sanders	John Sanders	1910	22½	24	2.0
58	3½ miles southeast	do	J.M. Dowdy	Dempsey Reesc	1928	23½	36	3.0
59	4-3/4 miles southeast	do	J.E. Grizzard	--. Snowden	---	30½	36	3.0
e/60	3½ miles southeast	H.Jeffrey	--. Bounds	Gulf Production Co.	---	3525?	--	--
61	do.	do	A.Greenhaw	--	---	48	36	3.0
62	2½ miles south	do	W.P.A. test well	Wm. Lyle	1936	16	3	0

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Stm, stream; G, gasoline engine or tractor; W, windmill; H, hand. Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power <u>b/</u>	Use of water <u>c/</u>	Remarks
	Above + below - measur- ing point	Date of measure- ment.			
42	-46.0	Feb.27, 1936	B,H	D	Bored well with wood casing. Never fails.
43	-52.4	do.	B,H	D,S	Bored well with wood casing. Small supply.
44	-41.0	Mar. 9, 1936	B,H	D,S	Bored well with wood casing. Gets low in summer.
45	-39.9	do.	B,H	D,S	Do.
46	-43.7	do.	B,H	D,S	Water level does not have seasonal change.
47	-27.5	do.	B,H	D,S	Water too hard for washing.
48	Flows	do.	--	S	Ten gallons a minute from 2 openings.
49	-17	Mar. 9, 1936	None	N	See log. -
50	-36	Feb.27, 1936	B,H	D,S	Water is from hard sand. Bored well.
51	-20.0	Feb.25, 1936	B,H	D,S	Water is from white quicksand.
52	-46.0	do.	B,H	D,S	Source of water is alluvial gravel.
53	-61.0	do.	B,H	D,S	Do.
54	-18.0	Feb.20, 1936	B,H	D,S	Dug well with wood curbing.
55	-24.4	do.	B,H	D,S	Dug well with brick curbing. Fails in dry seasons.
56	-17.0	Feb.17, 1936	B,H	D,S	Dug well with brick curbing. Never fails.
57	-22.5	Feb.20, 1936	B,H	D,S	Driven well. Water is probably from lignite bed.
58	-24.5	do.	B,H	D,S	Dug well with brick curbing.
59	-23.5	do.	B,H	D,S	Do.
60	--	--	--	--	See driller's log.
61	-49.0	Feb.25, 1936	B,H	D,S	Dug well with wood curbing. Water from alluvial sand. Never fails.
62	-13.0	do.	None	N	See log.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Aley See Plate I	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in)	Height of measuring point above ground (ft.) ^{a/}
63	2½ miles south	J.P. Haynes	Mrs. Tom Ray	--	1926	50½	36	2.0
e/64	do.	do.	W.P.A. test well	Wm. Lyle	1936	14	3	--
65	4 miles south	H. Jeffries	J.E. Reese	John Sanders	--	47	2	4.0
66	do.	do.	do.	J.E. Reese	--	8½	60	4.0
67	3-3/4 miles south	J. Stephenson	Mrs. N. McClung	John Sanders	1926	39	18	3.0
68	4½ miles south	Wm. K. Nowell	R. L. Larkington	--	--	20	2	1.8
c/69	5 miles south	C.E. Miller	W.P.A. test well	Wm. Lyle	1936	17	3	--
70	5½ miles southeast	C.R. Sanders	W.P.A. test well	do.	1936	22	3	0
71	5-1/4 miles southeast	C.R. Sanders	M. J. McClinock	Will Snowden	1930	34	36	2.0

No.	Distance from Eustace See Plate 2	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
101	4½ miles northwest	Geo. T. Walters	B.B. Killen	B.B. Killen	1924	25	36	3.0
102	3½ miles northwest	Jeff Brown	T.G. Tapp	Jess Filter	1916	38	36	3.0
103	2-3/4 miles northwest	H.M. Strode	J. W. Hitt	John Halbert	1910	31	36	2.4
e/104	4-1/4 miles northwest	Geo. T. Walters	W.P.A. Test well	Cecil Noble	1936	11	3	--
e/105	do.	Isam Marshall	H.E. Ruff	C.H. Rubb	1935	70	--	--
106	4 miles northwest	do.	W.P.A. test well	Cecil Noble	1936	9	3	0
107	3 miles northwest	do.	T. L. Jennings	Bud Bland	1935	19	36	1.8
e/108	do.	do.	C.L. Brigance	Chas. O'Neal	--	33	8	0

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand., Cf, centrifugal, A, air-lift; C, cylinder; B, Bucket or bailer, E, electric.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measuring point (feet)	Date of measurement.			
63	-48.4	Feb. 25, 1936	B,H	D,S	Dug well with brick curbing.
64	--	--	None	N	--
65	-43.0	Feb. 27, 1936	C,H	D,S	--
66	-12.5	do.	B,H	D	Water level fluctuates with rainfall. Dug well with brick curbing.
67	-38.0	do.	B,H	D,S	
68	-18.0	Feb. 14, 1936	C,W	D,S	--
69	--	--	None	N	Bored on Trinity River bottoms.
70	-18	Feb. 20, 1936	None	N	--
71	-34.5	Feb. 20, 1936	B,H	D,S	Dug well with brick curbing.

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measuring point	Date of measurement.			
101	-19.4	Mar. 18, 1936	B,H	D	Dug well with brick curb. Water from sand.
102	-38.3	do.	B,H	D	Dug well with brick curbing.
103	-31.7	Mar. 19, 1936	B,H	D,S	Do.
104	--	--	None	N	--
105	--	--	None	N	No water.
106	-7.0	Jan. 31, 1936	None	N	--
107	-19.0	Feb. 3, 1936	B,H	D,S	Dug well with brick curbing. Water from sand.
108	-24.0	Jan. 31, 1936	B,H	S	Driven well. Water from sand.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Eustace See Plate 2	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in)	Height of measuring point above ground (ft.) ^{a/}
109	3 miles northwest	Isam Marshall	Mrs. J. B. Lenon	Galliger and Haskell	1914	36	36	3.0
e/110	do.	do.	W.P.A. test well	Cecil Noble	1936	14	3	--
111	2½ miles north	do.	Frank Reid	--	1916	28	36	3.0
e/112	1-1/4 miles northwest	Jose Bettram	W.P.A. test well	Cecil Noble	1936	13	3	0
e/113	do.	H.M. Strode	do.	do.	1936	28	3	--
114	do.	do.	do.	do.	1936	27	3	0
e/115	do.	do.	do.	do.	1936	10	3	0
116	do.	Jose Bettram	Fred Anthony	-- Molton	1936	22½	8	1.5
117	3/4 mile northwest	do.	W.P.A. test well	Cecil Noble	1936	23	3	0
e/118	In Eustace	do.	J. T. Kirkpatrick	--	1935	90½	36	--
e/119	do.	do.	G.W. Stagal	Chas. O'Neal	1934	98	8	2.0
120	1½ miles south	do.	Mrs. Julia Holland	--	1916	82	8	3.0
121	1½ miles southwest	Vincent Mitchell	P. W. Whisenant	Ike Landes	1910	89	8	2.0
122	2-1/4 miles southwest	H.M. Strode	C.C. Bonsal	C. C. Bonsal	1926	27	36	2.0
123	2-1/4 miles south	do.	Ben Primrose	W. D. Norris	--	52	12	2.1
124	3-3/4 miles south	Jeff Brown	Allen Estate	--	--	15½	36	2.0
e/125	5-1/4 miles west	Jeff Brown	W.P.A. test well	Cecil Noble	1936	16	3	--
e/126	5-1/4 miles northwest	do.	Loan Company	Jeff Brown	1860	12	36	1.5
e/127	do.	do.	W.P.A. test well	Cecil Noble	1936	6	3	0
e/128	7 miles west	B. Metro	Gary Gossett Heirs	--	--	Spring	--	--

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand. Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measuring point (feet)	Date of measurement.			
109	-23.6	Mar.18, 1936	B,H	D	Dug well with brick curbing.
110	--	--	None	N	Well incomplete.
111	-26.2	Mar.18, 1936	B,H	D,S	Dug well with brick curbing.
112	-7.0	Jan.31, 1936	None	N	--
113	--	--	None	N	--
114	-23	Mar.18, 1936	None	N	--
115	-8.0	do.	None	N	--
116	-19.0	Jan.31, 1936	B,H	D	Water from sand. Not enough water for washing clothes.
117	-16.0	do.	None	N	--
118	--	--	B,H	D	Dug well with brick curbing.
119	-62.2	Feb. 3, 1936	B,H	D	Reported first water from chalky shale at 44 feet; second water from sand at 95 to 98 feet. Upper water not shut off.
120	-77.0	Mar. 4, 1936	B,H	D,S	Driven well.
121	-74.5	do.	B,H	D,S	
122	-21.0	do.	B,H	D,S	Dug well with brick curbing.
123	-44.6	do.	B,H	D,S	
124	-11.6	Mar.18, 1936	B,H	S	Dug well with brick curbing. Water from sand.
125	--	--	None	N	Well incomplete.
126	-4.5	Mar.18, 1936	B,H	D,S	Water from sand. Dug well with brick curbing.
127	-5.0	Mar.19, 1936	None	D,S	Well incomplete. Quicksand at bottom.
128	--	--	None	S	Water from sand. Reported yield 3 gallons a minute.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Eustace	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diam-eter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
129	7 miles west	B. Metro	Gary Gossett Heirs	--	--	12	36	4.0
130	do.	do.	W.P.A. test well	W.M. Lyle	1936	18	3	0
e/131	8 miles west	Thomas S. Mitchell	do.	do.	1936	34	3	--
132	8½ miles west	W.Hockaday	do.	do.	1936	22	3	0
133	9½ miles west	J.M.Gardner	J.W. Springer	W.H.Bragg	1935	28	36	2.0
134	do.	do.	do.	--. Cram-	1924	3,500	15	--
e/136	8 miles southwest	Thomas S. Mitchell	G. H. Schoellkopf	McElreath and Suggett	1928	3,365	10	--
137	9 miles southwest	Jeff Brown	W.A. Peavy	--. Sanders	--	51	8	2.0
138	8 miles southwest	Thomas S. Mitchell	L.B. Mason	John Sanders	1917	50	20	0
139	do.	do.	do.	L. B. Mason	1930	42	2	3.0
140	do.	do.	Lewis Avant	--	--	52	36	2.5
141	7 miles southwest	do.	Mrs. McCord	--	--	Spring 6	36	--
142	do.	do.	do.	--	--	Spring	--	--
143	4 miles southwest	Guillermo Chavanne	P.A. Carson	Frank Huddleston	1913	68	6	1.1
144	do.	Jose Rodriguez	E.M. Cole	Asa Holt	--	14	36	3.0
e/145	3½ miles southwest	Vicente Michelli	Hugh Loper	--	1885	80	42	3.0
146	do.	do.	do.	B. Holt	1929	23	36	3.0
147	3-3/4 miles southwest	do.	Bettie Cox	Hulleston and O'Neal	1935	27	8	2.0
148	4 miles south	Thomas Caro	Homar Williams	M.Mosley	--	68	6	2.8
149	5 miles south	Thomas Caro	H.P. Mayfield	--	1910	20	2	--
150	do.	do.	W.P.A. test well	Cecil Noble	1936	8	3	0

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand. Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measuring point	Date of measurement.			
129	(feet) -15.0	Mar. 17, 1936	B,H	N	Dug well. Dry in summer of 1935.
130	-14.0	Feb. 17, 1936	None	N	
131	--	--	None	N	No water.
132	-21.0	Feb. 17, 1936	None	N	
133	-27.5	do.	B,H	D,S	Dug well. Log: sand, 0-6 feet; clay, 6-10 feet; alternating clay and sand, 10-24 feet; sand, 24-28 feet.
134	--	--	Flows	S	Abandoned oil test; reported flow of 2 gallons a minute from about 3,000 feet.
136	--	--	None	N	Abandoned oil test; see table of drillers' logs.
137	-43.4	Mar. 13, 1936	B,H	D,S	Bored well with casing of pine lumber.
138	-46	1934 d/	C,H	D,S	Well cannot be exhausted with hand pump.
139	-38	d/	C,H	D,S	Do.
140	-52.7	Feb. 13, 1936	B,H	D,S	Dug well.
141	--	--	--	D,S	Reported flow of 3 gallons a minute in winter. Stops flowing in summer but never fails.
142	--	--	--	D,S	Reported flow of 3 gallons a minute with no seasonal fluctuation.
143	-60.7	Mar. 4, 1936	B,H	D,S	Two strata of lignite reported.
144	-13.5	do.	B,H	D	Dug well with brick curbing. Reported no seasonal fluctuation.
145	-63	d/	B,H	D,S	Dug well with wood curbing. Well has not been dry in 40 years.
146	-20.7	Mar. 4, 1936	B,H	D,S	Dug well with brick curbing. Water level lowers in summer.
147	-19.7	do.	B,H	D	Well never fails.
148	-56.25	Apr. 1, 1936	B,H	D,S	
149	--	--	C,H	N	Water is muddy.
150	4.0	Mar. 4, 1936	None	N	Water from sandy shale at 7 feet.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Eustace	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
e/151	5 miles south	Marcus Garcia	W.P.A. test well	Cecil Noble	1936	7	3	--
e/152	4-3/4 miles south	do.	Travis Peters	--	--	Spring	--	--
e/153	4 1/2 miles south	do.	do.	Texas Oil Company	1935	220	3	--
154	4-1/4 miles south	do.	do.	Charles O'Neal	1916	39	6	2.5
156	5 1/2 miles southwest	do.	Lena Roberts	Carroll Huddleston	1933	62	6	2.0
e/157	8 1/2 miles southwest	S. Whitloy	W.P.A. test well	W.M.Lyle	1936	40	3	--
158	do.	do.	C. H. Blackman	--	--	50	2	--
159	9 miles southwest	do.	Robert Tyres	--	1930	27	2	0
160	do.	do.	do.	--	--	17	36	0
161	do.	do.	do.	--	1925	29	2	--
162	do.	do.	do.	--	1925	30	36	0
e/163	10 1/2 miles southwest	Amanda Carroll	E. L. McClung	Barclay and Meaders	--	3,395	--	--
164	9 miles southwest	Juan Garcia	Mrs. Dean Jackson	--	1889	63	2	0
165	do.	do.	do.	--	--	51	36	0
166	6 1/2 miles south	Marcus Garcia	Connie Griffith	--	1920	75	8	0
167	6-3/4 miles south	M. M. Sanchez	St. Paul School	Charles O'Neal	1936	33	6	2.5
168	8 1/2 miles southwest	Jonathon Ping	W.P.A. test well	Cecil Noble	1936	19	3	0
169	8 miles southwest	do.	do.	do.	1936	12	3	0
170	9 miles southwest	do.	C. Butler	Boss Cherry	1934	49	36	2.0
e/171	9 1/2 miles southwest	Juan Garcia	J.H. Shiflet	--	1921	51	2	0
172	do.	do.	do.	Fred Russell	1927	90	36	0
173	9 1/2 miles southwest	Juan Garcia	Dean Jackson	John Hollifield	1928	40	36	3.6

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A,[†] air-lift; C, cylinder; B, bucket or bailer; E, electric; Str, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of Wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power <u>b/</u>	Use of water <u>c/</u>	Remarks
	Above + below - measur- ing point (feet)	Date of measure- ment.			
151	--	--	None	N	No water.
152	--	--	--	--	Flow of three gallons a minute from sandstone underlain by shale.
153	--	--	None	N	Well filled with sand. Good flowing well when drilled.
154	-31.6	Apr. 1, 1936	B,H	D,S	Reported log: sand, 0-39; quicksand, 39-40 feet.
156	-56.0	Mar. 4, 1936	B,H	D	Water from quicksand.
157	--	--	None	N	No water.
158	-40	<u>d/</u>	C,H	D	Well cannot be pumped dry with hand pump.
159	-17	<u>d/</u>	C,H	D,S	Well is not lowered during summer.
160	-17	<u>d/</u>	C,W	D,S	Dug well with 2 inch water pipe and screen.
161	--	--	C,H	N	Water from alluvium in Trinity River bottoms.
162	-27	<u>d/</u>	B,H	D	Dug well with brick curbing.
163	--	--	None	N	Abandoned oil test. See table of drillers' logs.
164	-58	<u>d/</u>	C,W	D,S	Dug well with large supply.
165	-46	<u>d/</u>	C,H	D	Do.
166	-64.4	Mar. 4, 1936	B,H	D	Bored well with wood casing.
167	-26.8	Apr. 1, 1936	B,H	D,S	Do.
168	-11.0	Mar.12, 1936	None	N	Water from alluvium.
169	- 5.6	do.	None	N	
170	-44.0	do.	B,H	D,S	Dug well with brick curbing, water fails in dry summer.
171	-44.0	Mar.13, 1933	C,H	S	Dug well.
172	-51	1933 <u>d/</u>	B,H	D,S	Dug well with brick curbing.
173	-42.0	Feb.13, 1936	B,H	D	Dug well with brick curbing.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Eustace See Plate 2	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in)	Height of measuring point above ground (ft.) ^{a/}
174	10 miles southwest	J. Bartlett	J.L. and J.I. Joflin	Fate Miller	1935	29	36	3.0
175	10½ miles southwest	do.	W.P.A. test well	Cecil Noble	1936	25	3	0
e/176	do.	do.	do.	do.	1936	23	3	--
177	do.	do.	J.L. and J.I. Joflin	-. Miller	1935	24	36	2.5
e/178	11 miles southwest	W. Jones	W.P.A. test well	W.M. Lyle	1936	16	3	0
e/179	do.	Juan Garcia	do.	do.	1936	12	3	--
180	10 miles southwest	W. Jones	J.E. Carroll	--	1916	20	2	0

No.	Distance from Athens See Plate 3	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in)	Height of measuring point above ground (ft.) ^{a/}
201	10 miles north	J. P. McCormack	-. Stephons Heirs	Roy Bateman	1935	50	42	3.0
202	7½ miles north	W. Avant	Gorham Coker	--	--	20	36	3.0
203	7-¾ miles north	J.M. Cabosa	W. K. Coker	--	1880	32	30	2.0
204	8½ miles north	B. Allen	E.B. Rowland	--	1870	27	48	3.3
205	10 miles north	J. Goodnight	J. C. Moredith	J. C. Meredith	1935	44	36	2.8
e/206	8½ miles northwest	E.G. Harris	T.G. Morton	--	--	28	36	3.0
208	10½ miles northwest	Jose S. Mancha	C. N. York	--	1920	28	36	3.0
209	9 miles northwest	Eliz Washburn	T. B. Johnson	J. A. Brazier	--	12	18	1.5
210	10 miles northwest	do.	Mrs. A.C. Tyler	A. C. Turner	1921	19	30	3.0
211	11 miles northwest	Jose Mancha	Mrs. G. Lewis	--	--	27	6	0.5
212	12 miles northwest	do.	Ross Smith	--	1916	21	60	3.0

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power <u>a/</u>	Use of water <u>c/</u>	Remarks
	Above + below measuring point	Date of measurement.			
174	(feet) -27.8	June, 1935 d/	B,H	D,S	Dug well with brick curbing. Water from river gravel.
175	-21.0	Mar.13, 1936	None	N	
176	--	--	None	N	Found water at 20 feet.
177	-22.0	Feb.10, 1936	B,H	S	Dug well with brick curbing. Water reported salty.
178	-15.0	do.	None	N	
179	--	--	None	N	No water.
180	-15	d/	C,H	D,S	Driven well. Water from river deposits in Trinity River bottoms.

No.	Water Level		Pump and kind and amount of power <u>b/</u>	Use of water <u>c/</u>	Remarks
	Above + below measuring point	Date of measurement.			
201	(feet) -42.7	May 8, 1936	B,H	D	Dug well. Water in white pack sand.
202	-17.0	Feb.26, 1936	B,H	D,S	Dug well with brick curbing. Water does not lower in summer.
203	-27.6	May 8, 1936	B,H	D,S	Dug well with tile casing. Cannot be drawn dry.
204	-24.0	do.	B,H	D,S	Dug well with no casing.
205	-42.4	do.	B,H	D	Dug well with no casing. Water in white pack sand.
206	-25.0	Mar. 3, 1936	B,H	S	Dug well with rock curbing.
208	-25.0	Mar. 6, 1936	B,P	D,S,Ind	Dug well with rock curbing. Supplies broom factory.
209	-42	do.	B,H	D,S	Dug well with hollow log casing. Water does not lower in summer.
210	-13.8	do.	B,H	D	Dug well with brick curbing. Insufficient supply.
211	-23.8	do.	B,H	D,S	Bored well with wood casing.
212	-19.8	do.	B,H	D	Dug well with rock curbing. Well fails in summer.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Athens	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}	
	See Plate 3								
213	12 miles northwest	S. Robinson	L. L. Cockrell	O'Neal and Huddleston	--	37	8	1.5	
214	13 miles northwest	Smith Robinson	W. T. Kirkpatrick	--	1906	18	36	3.1	
215	11½ miles northwest	do.	L. N. Wycough	Huddleston and O'Neal	1929	45	9	2.0	
216	11½ miles northwest	do.	W.P.A. test well	Cecil Noble	1936	12	3	0	
e/217	11-1/4 miles northwest	Jose M. Bettran	J. T. Kirkpatrick	--	--	30	48	--	
218	11 miles northwest	do.	Geo. Stegall	--	1929	41	8	1.0	
219	do.	do.	J.C. Harris	Huddleston and O'Neal	1921	89	8	2.2	
220	10½ miles northwest	do.	J.M. Gardner	--	1912	14	36	--	
e/221	9½ miles northwest	do.	W.P.A. test well	Cecil Noble	1936	30	3	0	
e/222	9 miles northwest	Eliz. Washburn	do.	do.	1936	8	3	0	
223	9½ miles northwest	do.	do.	do.	1936	12	3	0	
224	9 miles northwest	do.	Mrs. C. E. Campbell	--	--	39	8	3.0	
225	7-1/4 miles northwest	E.G. Harris	German Estate	--	1906	28	36	3.0	
226	7 miles northwest	do.	R.M. Graham	--	1906	33	30	3.0	
227	6-1/4 miles northwest	do.	A. J. Boeson	--	--	Spring		--	
228	6½ miles north	M. De La Garcia	--	Earl Stockard	1935	13	40	2.9	
229	7 miles north	J. Longoria	Meredith Camp Ground Spring						--
230	6½ miles north	W. Avant	Garrison Smith	W. Nelson	--	25	36	3.0	
231	6 miles north	Eliz. Holland	I. B. Irons	--	1915	21	36	3.0	
232	5-1/4 miles north	--	Bethel School	D.A. Gloss	1933	33	36	0	
233	5½ miles north	T. Howeth	Mrs. T. M. Matthews	--	1936	9	6	3.0	

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measur- ing point (feet)	Date of measure- ment.			
213	-30.9	do.	B,H	D,S	Bored well with tile casing. Never fails in summer.
214	-8.0	Mar.18, 1936	B,H	D,S	Dug well with brick curbing. Never fails.
215	-39.0	Mar. 6, 1936	B,H	D,S	Bored well with tile casing. Water lowers in summer but never fails.
216	-6.0	do.	None	N	
217	Dry	Jan.31, 1936	B,H	S	Dug well with rock curbing.
218	-33	Feb. 3, 1936	B,H	S	Bored well with tile casing. Never fails.
219	-73	do.	B,H	D	Bored well with wood casing to 49 feet and open hole to 84 feet. Well fails in late summer. Many people in Eustace use cistern.
220	--	--	B,H	D,S	Dug well with wood curbing.
221	-1.5	Feb. 3, 1936	None	N	
222	-1.0	do.	None	N	
223	--	Mar.16, 1936	None	N	
224	-31.9	Mar. 6, 1936	B,H	D,S	Bored well with wood casing. Never fails.
225	-21.9	Mar. 2, 1936	B,H	D,S	Dug well with rock curbing. Never dry.
226	-33.2	do.	B,H	D	Dug well with brick curbing and concrete tile. Never fails.
227	Flows	do.	--	S	Spring with two openings in white sand. Yield estimated as 50 gallons a minute.
228	-12.0	May 8, 1936	B,H	D,S	Dug well with brick curbing. Goes dry in dry seasons.
229	Flows	do.	--	D	Spring in sandstone. Never failed. Estimated yield 10 gallons a minute.
230	-27.5	Feb.26, 1936	B,H	D	Dug well with brick curbing. Never fails.
231	-21.0	do.	B,H	D,S	Dug well with brick curbing. well can be drawn dry.
232	-24.0	do.	C,E	P	Dug well with brick curbing. Never fails.
233	-7.6	do.	B,H	D,S	Bored well with tile casing. Almost fails in summer.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Athens See Plate 3	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
234	5½ miles north	J.P. Ingram	J.S. Morgan	T. Russell	--	24	40	3.0
235	3-1/4 miles north	J. Tidwell	M.C. Royall	--	1910	37	36	3.0
e/236	5½ miles north	Jos. M. Stirman	M.E. Kirksey	Bob Tilden	1929	17	36	2.9
237	4-3/4 miles north	do.	Archie Dennis	--	--	26	36	3.0
e/238	5½ miles northwest	J. T. Rovel	W.P.A. test well	Cecil Noble	1936	31	3	--
239	5-3/4 miles northwest	J.A. Nudain	W. J. Benge Est.	--	1920	12	8	0
e/240	6 miles northwest	do.	J.R. Morton	--	--	49.5	6	2.5
e/241	6 miles northwest	J.A. Nudain	W.P.A. test well	Cecil Noble	1936	15	3	0
242	6½ miles northwest	Nancy Fuller	W. T. German	--	1920	43	36	3
243	6-3/4 miles northwest	W. D. Radcliff	W.J. Benge, Est.	--	1905	8	8	2.5
e/244	7-1/4 miles northwest	do.	W.P.A. test well	Cecil Noble	1936	19	3	0
245	do.	do.	W.R. Harris	Eli Young	1933	12	36	1.2
246	7½ miles northwest	do.	do.	Morell Harris	1933	40	36	3.0
e/247	7 miles northwest	do.	W.A. Richardson, Est.	C.A. Richardson and others		3,150	--	--
e/248	8 miles northwest	do.	W.P.A. test well	Cecil Noble	1936	15	3	0
e/249	do.	do.	W. M. Teal	--	--	4	24	0
e/250	do.	do.	N.L. Schoffner	Hollingsworth	1906	45	42	3
251	9½ miles northwest	K.H. Douglas	C.W. Winterrowd	C.D. O'Neal and W. C. Huddleston	1936	55	6	0
e/252	8-3/4 miles northwest	do.	W.P.A. test well	Cecil Noble	1936	62	3	0
e/253	do.	do.	do.	do.	1936	26	3	0

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power <u>b/</u>	Use of water <u>c/</u>	Remarks
	Above + below - measur- ing point (feet)	Date of measure- ment.			
234	-8.8	May 8, 1936	B,H	D,S	Dug well with brick curbing. Water in sand.
235	-34.0	Feb. 26, 1936	B,H	D,S	Dug well with brick curbing. Bed of lignite reported at 38 feet. Water never fails.
236	-16.4	May 8, 1936	B,H	D,S	Dug well with brick curbing. Water lowers in summer.
237	-9.3	Mar. 2, 1936	B,H	D	Dug well with brick curbing. Never dry.
238	--	--	None	N	No water.
239	-4.2	Mar. 2, 1936	B,H	D	Bored well with tile casing.
240	Dry	do.	B,H	--	Dry.
241	-13	Mar. 2, 1936	None	N	
242	-37.0	do.	None	N	Dug well. Not used since house burned.
243	-73.3	Feb. 5, 1936	B,H	S	Water from several beds of lignite.
244	-18.0	do.	None	N	
245	-5.2	do.	B,H	S	Dug well with brick curbing. Never goes dry.
246	-45.8	do.	C,W	D,S	Dug well with brick and tile curbing. Windmill lowers water but well never fails.
247	--	--	--	--	Abandoned oil test. See table of drillers' logs.
248	-8.0	Feb. 3, 1936	None	N	
249	-0.6	do.	B,H	D,S	Flow of 3 gallons a minute reported when spring is cleaned out. Never fails.
250	-36.0	do.	B,H	D,S	Dug well with wood curbing. Never fails.
251	-38.0	<u>d/</u>	B,H	D	Water from white sand at 38 feet. Log: red sand; clay, 0-5; yellow clay and sand, 5-38; white water sand, 38-45; quicksand, 45-55 feet.
252	-57.0	Feb. 3, 1936	None	N	
253	-34.0	do.	None	N	

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Athens See Plate 3	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
e/254	8-3/4 miles northwest	K.H.Douglas	E. C. Bynum	--	--	Spring	--	--
e/255	do.	Thomas Caro	W.P.A. test well	Cecil Noble	1936	11	3	0
256	9 miles northwest	do.	Curlee Bros.	--	1916	50	36	2.7
257	8-1/4 miles west	G. Martinez	Hubert P. Barton	Hubert P. Barton	1918	84	8	1.5
258	7 1/2 miles west	Thomas Caro	J. T. Wilbanks, Est.	J. T. Wilbanks	--	18	36	2.5
e/259	do.	Jane Irvin	Malakoff Fuel Co.	Jud Brookins	1933	49	4	--
e/260	do.	do.	R.S. January	--Carpenter	1913	80	6	2.5
261	do.	Wm. D. Radcliff	J.H. Johns	--	1907	37	8	2.0
e/262	6 1/2 miles west	Jane Irvin	W.P.A. test well	Cecil Noble	1936	29	3	0
e/263	do.	do.	J.A.Jackson	--	1920	10	--	0.5
e/264	5-3/4 miles west	do.	W. P.A. test well	Cecil Noble	1936	32	3	0
265	6-1/4 miles west	Jane Irvin	R. J. Blakency	--	1906	17	26	1.4
266	5 1/2 miles northwest	do.	E. M. Henderson	Dan Hogen	1925	65	8	3
267	5-3/4 miles northwest	do.	D.M. Keeton	--	--	39	8	2
268	3 1/2 miles northwest	Juana Henderique	D. N. McGuffey	--	1906	29	36	2.5
269	3 miles northwest	do.	W.P.A. test well	Cecil Noble	1936	24	3	0
270	3 miles northwest	do.	T.M.Matthews	- Oil Co.	--	--	2	0
271	1 1/2 miles northwest	--	V.T.Stirman	--	--	Spring	--	--
272	1 1/2 miles west	B. Walters	W.P.A. test well	Cecil Noble	1936	42	3	0
e/273	1 mile northwest	Boly C. Walters	Z.W.Daniel	--	1935	20	36	--
274	1 mile northwest	do.	do.	--	1935	12	36	2.0
275	do.	do.	D.F. Dean	--	1934	19	36	4.0

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measur- ing point	Date of measure- ment.			
254	(feet) Flows	--	--	--	Flow of 3 gallons a minute from barrel in sands.
255	-10.0	Mar.17, 1936	None	N	
256	-48.8	Apr. 3, 1936	B,H	D	Dug well with brick curbing.
257	-66.0	Mar.17, 1936	B,H	D,S	Bored well with tile casing. Small supply but never fails.
258	-9.4	do.	B,H	D,S	Dug well with brick curbing. Never fails.
259	Dry	Apr. 4, 1933	B,H	N	Log; white sand, 0-3; red clay, 3-37; and quicksand, 37-50 feet.
260	-74.5	d/	B,H	D,S	Small supply of water just above lignite.
261	-18.0	do.	B,H	D	Bored well with tile casing. Never fails.
262	-1.5	Apr. 6, 1936	None	N	When later deepened to 52 feet, the well flowed.
263	-6.0	do.	C,G,-	S	Dug well.
264	-1.9	do.	None	N	
265	-14.7	Apr. 6, 1936	B,H	D	Dug well with clay tile casing. Water level lowers during drouth.
266	-61.0	Mar. 17, 1936	B,H	D,S	Bored well with wood casing. Can be drawn dry but never fails.
267	-19.1	Apr. 6, 1936	B,H	D	Bored well with tile casing. Never fails.
268	-26.3	Apr. 3, 1936	B,H	D	Dug well with brick curbing. Water level lowers in summer.
269	-2.0	Apr. 13, 1936	None	N	
270	+ 4.2	Mar.24, 1936	Flows	D,I	Estimated flow of 20 gallons a minute, into a minnow pond.
271	Flows	May 9, 1936	None	D,S	Never fails.
272	0.0	Apr.13, 1936	None	N	Water rose to surface of ground.
273	-22	d/	B,H	N	Dug well, now filled in. Salt water, unfit for use.
274	-8	Feb.24, 1936	B,H	D,S	Dug well with brick curbing. Water lowers a little in summer.
275	-19.0	Feb.26, 1936	B,H	D	Dug well with brick curbing. Never goes dry.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Athens See Plate 3	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
276	1-3/4 miles north	Boly C. Walters	J. W. Johnson	--	--	32	36	3.0
e/277	2 1/2 miles north	do.	J.C. Killough	Tom Russell	1933	44	36	0
278	1 1/2 miles northeast	Jas. Batwood	Mrs. -- Eads	-- Odell	1924	12	24	2.6
279	1 1/2 miles east	Geo. Clark	E. M. Henderson	Negro Slaves	1860	20	60	1.9
280	do.	do.	do.	do.	1857	41	36	1.2
281	1-1/4 miles east	R.A. Clark	W.P.A. test well	Cecil Noble	1936	12	3	0
282	1 mile east	do.	do.	do.	1936	21	3	0
283	1-1/4 miles east	do.	do.	do.	1936	10	3	0
284	1 mile east	do.	do.	do.	1936	11	3	0
e/285	3/4 miles east	do.	Walter Morrison	--	1920	75	36	0
286	do.	do.	R. B. Perry	Will Kirk	1935	10	36	2.2
e/287	1/2 mile northeast	T. Parmer	Letha Baxter	Allen Copland	1896	35	48	3.5
288	1/4 mile east	do.	W.P.A. test well	Cecil Noble	1936	43	3	0
e/289	In Athens	Thomas Parmer	City of Athens	City of Athens	--	1,020	8	0.6
290	do.	do.	do.	Layne-Texas Company	1933	794	12 1/2	1.0
e/291	do.	do.	do.	City of Athens	1932	1,020	8	1.0
e/292	do.	do.	Drane Ise Co.	Layne-Texas Company	1932	513	12	0.6
293	do.	do.	do.	do.	1930	55	6	0.5
e/294	1/2 mile southwest	do.	St. Louis South Western R.R.	St. L.S.W. R.R.	1906	300	--	--
e/295	1-1/4 miles west	do.	W.P.A. test well	Arlin Jackson	1936	25	3	0
e/296	1 mile southwest	do.	G.I. Shelton	--	--	22	--	--

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Henderson County—Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measuring point (feet)	Date of measurement.			
276	-29.	Feb. 26, 1936	B, H	D, S	Dug well with brick curbing. Never goes dry.
277	-40	Mar. 1936 d/	C, G	D, S	Dug well, with brick curbing. Never fails.
278	-7.3	May, 7, 1936	B, H	D, S	Do.
279	-14.2	May 10, 1936	C, E 1½	D, S	Do.
280	-26.7	Apr. 10, 1936	B, H	N	Do.
281	-4.0	Mar. 16, 1936	None	N	
282	-13.0	do.	None	N	
283	-2.5	do.	None	N	Struck water at 3 feet.
284	-2.7	do.	None	N	Struck water at 5 feet.
285	-72.0	d/	None	N	Abandoned and used as septic tank.
286	-10.7	Feb. 1 1936	B, H	D	Dug well, wooden box curbing.
287	-33.5	do.	B, H	D, S	Dug well with brick curbing. Strong supply.
288	-42.0	Mar. 11, 1936	None	N	Struck water at 42 feet.
289	-173	Aug. 12, 1935 d/	A, --	P, Ind.	Capacity reported as 500 gallons a minute.
290	-173	do.	T, E, 60	P, Ind.	Reported drawdown of 47 feet after pumping 464 gallons a minute for 12 hours.
291	-173	do.	T, E, 50	P, Ind.	Reported drawdown of 47 feet after pumping 500 gallons a minute for 8 hours.
292	-20	d/	C, E, 60	Ind.	57 feet of 12 inch casing at surface, 6 inch casing to sand screen on bottom.
293	-60	Feb. 21, 1936 d/	C, E, 3½	Ind.	Water level lowers after 6 hours pumping.
294	--	--	C, G, 60	Ind.	Dug well at top. Reported yield 400 gallons a minute.
295	-2.0	May 5, 1936	None	N	
296	--		B, H	--	Reported water level remains constant.

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

d/ Water level reported and no data given.

a/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Athens See Plate 3	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground(ft.) ^{a/}
a/297	1 mile southwest	Thomas Farmer	W.P. test well	Arlin Jackson	1936	16	3	—
a/298	do.	do.	Ike La Rue	—	1936	53	60	3.4
299	1½ miles southwest	do.	W.P.A. test well	Arlin Jackson	1936	13	3	0
301	2 miles west	do.	W.P.A. test well	Cecil Noble	1936	29	3	0
a/302	do.	do.	St. L. and S.W.R.R.	—	1906	179	120	—
a/303	2½ miles west	C. M. Walters	W.P.A. test well	W.M. Lyle	1936	4	3	—
304	2½ miles west	do.	do.	Cecil Noble	1936	13½	3	0
305	do.	do.	W.W. Upchurch	Charley Gist	1936	41	36	3.0
306	do.	do.	do.	Sinclair Oil and Gas Co.	1935	64½	3	0.5
a/307	do.	do.	do.	Witherspoon	1913	1,500	12	0
308	do.	do.	do.	—	—	—	—	—
309	3 miles west	do.	do.	Sansing	1919	34	36	2.5
a/310	3½ miles west	do.	J.W. Christopher	J.W. Christopher	1894	30	36	3.0
311	do.	do.	do.	Sam Goodgame	1935	43	6	2.0
312	do.	do.	W.P.A. test well	Cecil Noble	1936	8	3	—
313	do.	do.	do.	do.	1936	4	3	0
314	3½ miles west	do.	John W. Christopher	—	1921	62	6	1.5
315	4 miles west	do.	do.	—	1921	42	8	2.0
316	4½ miles west	do.	do.	Tom Russell	1906	54	72	2.0
a/317	do.	do.	W.P.A. test well	Cecil Noble	1936	20	3	0
318	4 miles west	do.	G.W. Green	L. Tipton	1910	23	36	2.0

a/ Measuring point was usually top of casing, top of pump case, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinders; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above+ below - measuring point (feet)	Date of Measurement.			
297	--	May 5, 1936	None	N	No water.
298	-49.0	Mar. 5, 1936	B, H	D	Dug well with rock curbing. Never fails.
299	-2.0	May 5, 1936	None	N	Struck water at 4½ feet.
301	-19.0	Jan. 29, 1936	None	N	
302		--	G	Ind.	Capacity was 500 gallons a minute; now abandoned.
303	-2.3	Jan. 29, 1936	None	N	
304	-2.0	Jan. 30, 1936	None	N	Struck water at 3 feet.
305	-21.1	Jan. 29, 1936	B, H	D, S	Dug well with brick and tile curbing. Never fails.
306	-15.5	do.	--	--	Not used.
307	-50	Smt. 1936 d/	--	--	Abandoned oil test. Reported 7 feet of lignite at 29 feet, 9 feet of lignite at 80 feet and 29 feet of lignite at 120 feet.
308	Spring	Flows	--	S, -	Spring seeps from sand. Never fails.
309	-29.5	Jan. 29, 1936	B, H	D	Dug well with brick curbing.
310	-30.0	Feb. 7, 1936	B, H	D, S	Dug well with no curbing below top. Never failed.
311	-38.7	do.	B, H	D, S	Bored well with concrete curb at top and open hole below.
312	--	--	None	N	No water.
313	-2.0	Jan. 30, 1936	None	N	
314	-59.5	Feb. 7, 1936	B, H	D, S	Tile casing. Never fails.
315	-32.2	do.	B, H	D, S	Tile casing. Water draws down easily but never fails.
316	-42.0	do.	B, H	D, S	Dug well with brick curbing. Never fails.
317	-8.0	do.	None	N	
318	-18.1	Mar. 13, 1936	B, H	D, S	Dug well with brick curbing. Fails in dry summers.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Athens See Plate 3	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
319	4 miles west	C.M. Walters	W.J. Carter	W.J. Carter	1915	27	6	4.0
320	5 $\frac{1}{2}$ miles west	John M. Sally	I.N. Gooda	- Harper	1918	40	36	2.8
321	5 miles west	do.	J.M. Gray	--	--	55	8	1.0
a/322	5 $\frac{1}{2}$ miles west	do.	W.P.A. test well	Cecil Noble	1936	16	3	--
a/323	6 $\frac{1}{4}$ miles west	do.	J.W. Spiller	--	--	59	6	3.5
a/324	do.	do.	W.P.A. test well	Cecil Noble	1936	24	3	0
325	6 miles west	do.	Malakoff Fuel Co.	J.A. Moore	1932	382	6	--
326	7 miles west	do.	do.	W.M. Darden	--	13	36	2.0

No.	Distance from Murchison See Plate 4	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
a/401	6 $\frac{1}{2}$ miles northeast	John Murchison	Miko Derrick	--	1916	47	48	3.3
402	4 miles northeast	S. Hatton	J.A. Tullos	Leo Wilson	1931	24	36	2.6
403	5 $\frac{1}{2}$ miles north	J.E. Chaney	Mayfield Gro. Co.	H.W. Walker	1896	32	48	3.0
404	3 $\frac{1}{2}$ miles north	J.H. Killingsworth	W.R. Dyer	James Mott	1935	15	36	2.8
a/405	3 miles north	J. Hetzelberger	J. Jolly	J. Jolly	1929	40	36	3.5
406	4 $\frac{1}{2}$ miles northwest	D. Barrow	Mrs. Jack Cox	- Bateman	1920	27	36	2.5
a/407	5 miles northwest	James Spivey	- Thornhill No. 1	Westhwa Invest. Co.	--	4,508	10	--
a/408	4 $\frac{1}{2}$ miles northwest	J. Gurley	J.J. Hair	--	1890	29	36	3.2
409	3 $\frac{1}{2}$ miles northwest	A.S. Brown	A.B. Jones	--	1900	15	36	2.8

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T, turbine; CF, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer
E, electric; Stm; steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measur- ing point (feet)	Date of Measur- ment.			
319	-22.8	Mar. 17, 1936	B, H	D, S	Bored well with wood casing. Never fails.
320	-39.8	do.	B, H	D, S	Dug well with brick curbing. Never fails.
321	-48.4	Feb. 7, 1936	B, H	D, S	Bored well with wood casing. Permanent water supply reported.
322	--	do.	None	N	No water. See log.
323	-45.0	do.	B, H	D, S	Bored well with wood casing. Well is finished on lignite bed.
324	-18.0	Feb. 10, 1936	None	N	See log.
325	--	--	C, E, S	D, Ind.	Water sand at 350-382 feet.
326	-7.6	Mar. 17, 1936	B, H	D, S	Dug well with brick curbing. Never fails. Water rises about 4 feet in winter.

No.	Water Level		Pump and kind and amount of power b/	Use of water a/	Remarks
	Above + below - measur- ing point (feet)	Date of Measur- ment.			
401	-47.5	Apr. 7, 1936	B, H	D, S	Dug well with no curbing. Log; white sand 0-2; red clay, 2-7; sand, 7-16; red clay, 16-46; and quicksand, 46-47 feet.
402	-23.6	do.	B, H	D, S	Dug well with concrete and brick curbing.
403	-33.2	do.	B, H	D, S	Dug well with no curbing. Weak supply in summer.
404	-13.7	May 6, 1936	B, H	D, S	Dug well with oak curbing. Water from coarse gray sand.
405	-38.9	do.	B, H	D, S	Dug well with concrete curbing. Water from "blue soapstone". Lowers in summer.
406	-24.5	do.	B, H	D, S	Dug well with no curbing. Never been drawn dry.
407	--	--	None	N	Abandoned oil test. See driller's log.
408	-28.9	May 6, 1936	B, H	D, S	Dug well with no curbing. Never fails. Supplies several families.
409	-13.9	do.	B, H	D, S	Dug well with brick curbing. Never fails.

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

d/ Water level reported and no data given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Murchison See Plate 4	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) _{a/}
410	2½ miles west	A.S. Brown	E.C. Hodgas	J. Brown	1920	68	9	3.3
e/411	½ mile west	A. Anglin	E.F. Huddle	--	1923	21	36	2.2
412	2 miles north	J.L. Hall	I.P. Larue	Joe Baxley	1920	41	36	3.3
413	1 mile east	A. Anglin	L.H. Stidham	Jake Wheeler	1906	8	48	1.8
414	3½ miles east	John Lawson	T.E. Kent	T.E. Kent	1930	20	36	2.8
415	3½ miles northeast	Stephen Hatton	R.I. Washburn	R.I. Washburn	1925	13	36	1.4
a/416		do.	W.P.A. test well	Cecil Noble	1936	16	3	0
417	5½ miles northeast	W.W. Friday	D.F. Saylor	D.F. Saylor	1928	30	48	3.3
e/418	do.	Z.W. Bottoms	M.M. Moss Est.	Humble Oil Co.	1932	200	6	--
e/419	do.	do.	W.P.A. test well	Cecil Noble	1936	12	3	0
a/420	do.	do.	do.	do.	1936	12	3	0
421	4½ miles east	W. Smith	O.W. Parker	Parker and Harrison	1934	37	36	3.3
e/422	5½ miles southeast	Nat Johnson	W.P.A. test well	Cecil Noble	1936	14	3	--
423	5 miles southeast	Aaron York	H.L. Massey	A.L. Moore	1917	32	36	3.0
424	3 miles southeast	George Hamilton	Mrs. J. McRee	J. Stallings	1926	31	36	3.0
425	2 miles southeast	A. Kitchell	Mrs. W.H. Barron	Jim Parker	1930	46	6	2.5
426	do.	T.H. Moore	W.S. Walker	W.S. Walker	1916	20	6	2.2
427	2½ miles south	A.P. Harkins	D.A. Brazell	--	--	Spring	--	--
428	In Murchison	M. Jeanneantat	Methodist Parsonage	--	1924	14	36	2.4
429	do.	do.	D.F. Dodson	--	1924	14	36	3.3
e/430	1 mile west	James H. Gresham	L.A. Arthur	Humble Oil Co.	1935	80	3	--

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b T, turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power h/	Use of water c/	Remarks
	Above + below measurement point	Date of measurement.			
410	(feet) -67.7	May 6, 1936	B,H	D,S	Bored wall with tile casing. Never fails.
411	-19.3	May 19, 1936	B,H	D,S	Dug well with brick curbing. Water level lowers a little in summer.
412	-40.6	do.	B,H	D,S	Dug well with brick curbing. Water level gets very low in summer.
413	-5.8	Apr. 8 1936	B,H	D,S	Dug well with plank curbing.
414	-19.5	Apr. 7, 1936	B,H	D,S	Dug well with brick curbing. Water level never lowers.
415	-2.4	Apr. 6, 1936	B,H	S	Do.
416	-1.8	Apr. 7, 1936	None	N	See log.
417	-28.7	do.	B,H	D,S	Dug well with concrete curbing. Never fails.
418	Flows	Apr. 10, 1936	Flows	D,S,Irr.	Plugged at present. Flow reported as 50 gallons a minute.
419	-4.0	do.	None	N	See log.
420	-1.9	do.	None	N	Do.
421	-39.3	May 4, 1936	B,H	D,S	Dug well with concrete curbing.
422	--	--	None	N	Quicksand at 14 feet, caved in.
423	-30.1	May 7, 1936	B,H	D,S	Dug well with no curbing. Water level stays constant.
424	-30.2	do.	B,H	D,S	Dug well with brick curbing. Does not fail.
425	-34.4	do.	B,H	D,S	Bored well with wood casing. Water level gets very low in dry seasons.
426	-16.4	Apr. 8, 1936	B,H	D,S	Do.
427	Flows	do.	--	D,S	Flows 3 gallons a minute. Water from barrel in sand above hard rock.
428	-9.5	May 7, 1936	B,H	D,S	Dug well with brick curbing. Never fails.
429	-8.3	do.	B,H	D,S	Do.
430	--	--	None	N	Flowing well now plugged. Drilled by geophysical crew.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Murchison See Plate 4	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground(ft.) ^{a/}
e/431	5 $\frac{1}{2}$ miles east	Nat R. Malton	T.E. Lakey	J. Odell	1930	27	30	4.8
432	4 miles southwest	do.	George Pace	--	1929	42	36	2.2
433	4 $\frac{1}{2}$ miles southwest	J. McManus	Fish and Game club	--	1921	21	36	2.8
434	3 miles south	J.W. Carroll	Loan Co.	--	--	47	6	2.8
435	4 $\frac{1}{2}$ miles south	J.R. Laymance	W.L. Roby	--	1932	46	6	3.0
436	4 miles south	G. Garcia	R.L. Parrott	R.L. Parrott	1909	12	36	3.0
437	3 $\frac{1}{2}$ miles south	Nat Johnston	J.B. Paroline	J.B. Paroline	1935	15	36	2.0
438	4 miles south	H.W. Vardeman	Sam Lee	B.F. Avant	1936	14	36	1.6
439	4 $\frac{1}{2}$ miles southeast	John McWilliams	Leagueville School	Charles Frazier	1920	37	36	2.8
440	5 $\frac{1}{2}$ miles south	Anna Davis	J.B. Tindel	L. Meadows	1930	35	36	2.9
441	6 $\frac{1}{2}$ miles southeast	do.	T.R. Dingle	T.R. Dingle	1921	33	36	2.5
s/442	6 $\frac{1}{2}$ miles south	David Cherry	George Forester	--	--	Spring	--	--
443	6 miles south	do.	do.	--	--	Spring	--	--
444	do.	do.	Mrs. -- Waller	E.F. Graham	1933	17	36	2.0
445	5 $\frac{1}{2}$ miles southwest	W.T. Jenkins	W.F. Jenkins, Hrs.	--	1935	45	36	2.1
446	6 $\frac{3}{4}$ miles southwest	John Royal	S.A. Freeman	--	1906	42	36	2.8
447	8 miles southwest	J. Williams	E.M. Henderson	--	--	51	52	2.5
448	do.	J.W. Williams	State Highway	--	--	Spring	--	--

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T, turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm; steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power b/-	Use of water c/	Remarks
	Above + below - measurement - curving point (feet)	Date of measurement			
431	-25.9	May 6, 1936	B,H	D,S	Dug well with concrete curbing. Never fails.
432	-40.9	do.	B,H	D,S	Dug well with no curbing. Water level lowers when watering stock.
433	-19.6	Apr. 8, 1936	B,H	D,S	Dug well with brick curbing.
434	-46.2	do.	B,H	N	Vary small supply.
435	-40.2	Apr. 27, 1936	B,H	D,S	Bored well with wood casing. Never fails.
436	-15.0	do.	B,H	D,S	Dug well with no curbing. Water level does not lower.
437	-5.4	May 4, 1936	B,H	D,S	Dug well with brick curbing.
438	-9.2	do.	B,H	D,S	Dug well with board curbing at top, open below.
439	-35.7	do.	B,H	D,S	Dug well with concrete curbing. Cannot be drawn dry.
440	-33.5	May 5, 1936	B,H	D,S	Do.
441	-29.7	do.	B,H	D,S	Do.
442	Flows	do.	None	D,S	Constant supply of 10 gallons a minute for past 50 years. Water from sandstone above shale.
443	Flows	do.	None	D,S	Flows 5 gallons a minute from white sand.
444	-16.2	Apr. 27, 1936	B,H	D,S	Dug well with no curbing. Went dry summer of 1934.
445	-34.3	do.	B,H	D,S	Bored well with wood curb at top and open hole below. Never fails.
446	-39.0	do.	B,H	D,S	Dug well with no curbing. Never fails.
447	-52.8	Apr. 9, 1936	B,H	N	Dug well with no curbing.
448	Flows	do.	None	S	Flows 3 gallons a minute from sand and gravel overlying shale.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Chandler See Plate 5	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
501	3½ miles northeast	C.B. Crain	W.E. Nunnallee	--	--	30	36	4.2
502	2¼ miles north	Simon Weiss	Mrs. L.K. Speed	--	--	11	36	2.9
503	1½ miles northeast	do.	W.P.A. test well	Cecil Noble	1936	12	3	0
504	1 mile northeast	do.	J.C. Clonahan Hrs.	--	--	29	36	3.2
505	2 miles north	do.	C.L. Cremer	--	1911	23	36	2.7
506	3½ miles north	Juan M. Martinez	L.W. Maynard	Negro Slaves	1856	32	36	2.1
507	2½ miles northwest	J. Johnson	I. Neely	--	--	22	36	2.2
508	3½ miles northwest	Juan M. Martinez	K. Donoghay	--	--	21	36	2.5
509	5 miles northwest	C.M. Beason	Berry Brown	--	1916	20	36	2.5
510	6½ miles northwest	E. Williams	H.G. Larkin	--	--	39	36	3.1
511	5½ miles northwest	W. Anderson	R.P. Birdwell	E. Gartman	1930	13	36	2.7
512	6 miles west	B.W. Brown	H.S. Tompkins	--	1926	185	2	3.9
513	8½ miles west	H. Hopfeld	Alvin Barton	--	1925	38	36	2.8
514	7¼ miles west	E. Hora	Brownsboro School	Walter A. Miller	1935	320	6	0.6
515	6½ miles west	J.M. Brown	G.W. Driggers	-- Rison	1856	34	36	3.0
516	6 miles southwest	do.	J.J. Targason	--	1906	37	--	3.3
517	5½ miles west	J.N. Sullivan	Ora May Vaughn	--	1910	29	36	3.0
518	4½ miles west	Jackson Wells	Pete English	Pete English	1900	43	36	3.0
519	3½ miles west	M. Lamb	W.P.A. test well	Cecil Noble	1936	18	3	--
520	3½ miles southwest	E. Witte	J.B. Simms	J.B. Simms	1930	25	36	3.0

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T, turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand..

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measur- ing point	Date of Measur- ment			
501	(feet) -27.4	Apr. 25, 1936	B, H	D, S	Dug well with brick curbing. Water level higher in summer.
502	-10.2	do.	B, H	D	Dug well with brick curbing. Water level cannot be lowered by drawing.
503	-2.0	do.	None	N	See log.
504	-30.7	do.	B, H	D	Dug well with wood curbing. Reported that water level never varies.
505	-21.6	do.	B, H	D, S	Dug well with no curbing. Never fails.
506	-27.1	do.	B, H	D, S	Dug well with no curbing. Log, white sand, 0-12; iron rock, 12-13; red sandy shale, 13-30; and sand, 30-32 feet.
507	-22.2	Apr. 24, 1936	B, H	D	Dug well with no curbing. Water level lowers in summer.
508	-23.6	do.	B, H	D	Dug well with no curbing. Plentiful supply but reported as "sour".
509	-14.8	do.	B, H	D, S	Do.
510	-40.3	do.	B, H	D, S	Dug well with no curbing. Log; red rock, 0-35; and white shaly sand, 35-38 feet. Water level lowers each April.
511	-9.5	do.	B, H	D, S	Dug well with wood curbing. Weak supply, fails in summer.
512	-	do.	None	D, S	Well flows about 25 gallons a minute.
513	-37.2	Apr. 7, 1936	B, H	D, S	Dug well with brick curbing.
514	-4.0	Apr. 24, 1936	C, E, S	P	Water from sand at 260 to 320 feet. Well can supply 20 gallons a minute.
515	-31.7	Apr. 21, 1936	B, H	D, S	Dug well with no curbing. Water level lowers in dry seasons.
516	-31.0	Apr. 23, 1936	B, H	D, S	Dug well with wood curbing. Water level reported constant.
517	-24.0	Feb. 21, 1936	B, H	D	Dug well with no curbing. Never fails.
518	-30.5	do.	B, H	D, S	Do.
519	--	Apr. 24, 1936	None	N	See log.
520	-26.0	Feb. 21, 1936	B, H	D, S	Dug well with brick curbing. Water level reported constant.

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

d/ Water level reported and no date given.

a/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Chandler Saa Plata 5	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
a/521	3 $\frac{3}{4}$ miles southwest	A.J. Clayton	W.P.A. test well	Cecil Noble	1936	6	3	--
522	3 miles southwest	do.	do.	do.	1936	27	3	--
523	2 $\frac{1}{2}$ miles southwest	B.H. Watts	Megar Brown	Megar Brown	1934	7	36	3.0
a/524	2 $\frac{1}{2}$ miles west	Simon Sanchez	M. Ellis	Petroleum Shell Co.	--	--	--	--
a/525	1 $\frac{1}{2}$ miles west	M.H. Langham	W.P.A. test well	Cecil Noble	1936	11	3	0
526	1 $\frac{1}{2}$ miles west	do.	do.	do.	1936	25	3	0
527	1 $\frac{1}{2}$ miles south	S. Calderon	K. Morman Hrs.	Fred Hargott	1925	42	36	2.3
528	In Chandler	Simon Weiss	Ellis Bros.	Lee Green	1912	23	36	2.0
529	do.	do.	W.P.A. test	Cecil Noble	1936	13	3	0
530	1 mile east	- Wada	Mrs. G.J. Coleman	G.J. Coleman	1933	37	36	3.0
531	1 $\frac{1}{2}$ miles east	Simon Weiss	W.P.A. test well	Cecil Noble	1936	10	3	0
532	do.	do.	K. Kerner	--	1935	16	36	3.0
533	1 $\frac{1}{2}$ miles southeast	J.B. Dorsey	J.C. and E.R. Gads	E.L. Chapman	1932	5,250	10	--
a/534	2 $\frac{1}{2}$ miles southeast	do.	do.	do.	1929	--	6	--
a/535	do.	do.	do.	Dick Andrade et al	1928	--	6	--
536	2 $\frac{1}{2}$ miles southwest	E.C. Southerland	do.	Richardson Bros.	1920	3,000	6	1.0
537	2 $\frac{1}{2}$ miles south	S. Calderon	J.R. Hicks	Petroleum Shell Co.	1932	500	18	1.4
538	3 miles south	Simon Sanchez	J. Davis	do.	1932	50 ⁴	6	1.5
539	3 $\frac{1}{2}$ miles south	do.	E.J. Tidwell	Arthur Carver	1933	20	36	3.3
540	3 $\frac{3}{4}$ miles southwest	J.N. Gainer	H.E. Grant	B. Belcher	1924	30	36	2.8
541	do.	do.	do.	--	--	19	36	2.3

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T, turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm; steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below measuring point	Date of Measurement			
521	--	Feb. 21, 1936	None	N	See log.
522	--	do.	None	N	Do.
523	-8.0	do.	B,H	D,S	Dug well with wood curbing. Never fails.
524	--	May 16, 1936	None	N	Flowing well.
525	-10	Feb. 21, 1936	None	N	See log.
526	-7	do.	None	N	Do.
527	-40.0	Apr. 23, 1936	B,H	S	Dug well with brick curbing. Water level low in summer.
528	-20.2	Apr. 25, 1936	B,H	D,S	Dug well with brick curbing. Strong supply.
529	-5	Feb. 20, 1936	None	N	See log.
530	-34.0	Feb. 21, 1936	B,H	D,S	Dug well with brick curbing.
531	-7	do.	None	N	See log.
532	-13.0	do.	B,H	D	Dug well with tile curbing.
533	Flows	Apr. 29, 1936	None	N	Flowing well. See driller's log.
534	do.	do.	None	S	Reported flow of 15 gallons a minute. Casing removed.
535	do.	do.	None	S	Casing removed. Artesian flows reported from sands at 60, 350 and 550 feet.
536	do.	do.	None	S	Flow estimated at 15 gallons a minute.
537	do.	do.	None	S	Core drill hole with tile curbing at top.
538	do.	do.	None	S	Core drill hole.
539	-20.9	Apr. 23, 1936	B,H	D,S	Dug well with wood curbing. Small supply. Reported wind in southeast raises water level.
540	-29.9	do.	B,H	D	Dug well with wood curbing.
541	-18.7	do.	B,H	D,S	Dug well with no curbing. "Sour water" reported.

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

d/ Water level reported and no data given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Chandler See Plate 5	Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
542	5 miles southwest	J.S. Cone	C.D. Clayton	--	--	50	36	3.6
543	7½ miles southwest	George Wilson	Etta Olson	--	1830	48	36	2.8
544	do.	do.	do.	Tom Barton	1930	46	36	2.5
545	9½ miles southwest	A. York	George Curry	George Curry	1925	31	36	2.8
546	9 miles southwest	C. Hightower	Jas. Day	Magnolia Pst. Co.	1932	40	36	3.0
547	7 miles southwest	G.E. Harrison	A.D. Browning	A.D. Browning	1921	51	36	3.1
a/548	6 miles southwest	W.H. McNeil	W.P.A. test well	Cecil Noble	1936	12	3	--
a/549	6 miles southwest	do.	K.E. Browning	--	--	Spring	--	--
a/550	5½ miles southwest	G.A. Stroud	Roy A. Cowles	--	--	do.	--	--
a/551	5 miles southwest	J.A. Grear	W.P.A. test well	Cecil Noble	1936	15	3	0
552	do.	A. Stephens	J.F. Grear	J. Henna	1936	10	36	0
553	do.	do.	W.P.A. test well	Cecil Noble	1936	14	3	0
554	5½ miles south	J. Mather	C.D. Boyd	R.L. Boyd	1911	32	36	2.8
555	4½ miles south	do.	W.P.A. test well	Cecil Noble	1936	12	3	0
556	do.	M. Anderson	Mrs. T.P. Morman	--	1906	14	36	3.5
a/557	4 miles south	Simon Sanchez	W.P.A. test well	Cecil Noble	1936	12	3	0
a/558	4½ miles south	J.L. Kennedy	E.L. Clark	E.L. Clark	1935	15	36	3.0
559	6 miles south	J.H. Branch	W.P.A. test well	Cecil Noble	1936	16	3	0
560	6½ miles south	L. Louderdale	Joe Meyer	Sid Hightower	1934	29	36	2.7
a/561	7 miles south	do.	do.	Oil Co.	--	--	6	--
562	6½ miles southwest	J.R. Smith	T.L. Wicks	Porter and Stewart	1934	28	36	30

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T, turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power <u>b/</u>	Use of water <u>c/</u>	Remarks
	Above + below - measuring point	Date of Measur- ment			
542	(Foot) -49.5	Apr. 23, 1936	B, H	D, S	Dug well.
543	-47.5	Apr. 21, 1936	B, H	D	Dug well with no curbing. Water from red sand. Strong supply.
544	-33.3	do.	B, H	D, S	Dug well with brick curbing. Finished in black gumbo. Water lowers in summer.
545	-28.9	May 4, 1936	B, H	D, S	Dug well with brick curbing. Never fails.
546	-38.6	do.	B, H	D, S	Dug well with concrete curbing.
547	-51.3	Apr. 23, 1936	B, H	D, S	Dug well with no curbing. Water in red sand.
548	--	do.	None	N	See log.
549	Flows	Apr. 23, 1936	None	N	Flows 5 gallons a minute from sandstone at contact with shale.
550	do.	do.	None	D, S	Flows 10 gallons a minute from sandstone above sandy shale.
551	-13.	Apr. 22, 1936	None	N	See log.
552	-6.7	Apr. 21, 1936	None	N	Dug well with no curbing.
553	-9	Apr. 20, 1936	None	N	See log.
554	-23.5	Apr. 23, 1936	B, H	D, S	Dug well with brick curbing. Good supply.
555	-5	Apr. 24, 1936	None	N	See log.
556	-14.4	Apr. 23, 1936	B, H	D	Dug well with no curbing.
557	-9	Apr. 22, 1936	None	N	See log.
558	-11.0	Apr. 23, 1936	B, H	D, S	Dug well with wood curbing. Water rises with flood in river.
559	-15	do.	None	N	See log.
560	-29.3	Apr. 20, 1936	B, H	D, S	Dug well with concrete curbing.
561	Flows	May 19, 1936	None	S	Constant 2 inch stream reported.
562	-28.3	Apr. 21, 1936	B, H	D, S	Dug well with no curbing. Water level remains constant.

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

d/ Water level reported and no date given.

a/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Chandler	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
	See Plate 5							
563	5 miles southeast	J. Cole	Huey Mathis	--	--	Spring	--	--
e/564	7-3/4 miles southwest	P.C. Langham	W.P.A. test well	Cecil Noble	1936	57	3	--
565	do.	do.	A.H. Vaughn	--	--	57	48	2.5
566	11 1/2 miles southwest	W.I. Eans	Mrs. S. T. Williams	J. H. Reynolds	1922	45	36	2.3
567	10-1/4 miles southwest	Jas. McDonald	W.N. Crawford	Sid Hightower	1934	53	36	2.9
e/568	8-3/4 miles south	W. Ferguson	Geo. Kimble	-- Oil Co.	1921	--	15	--

No.	Distance from Poyner See Plate 6	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
601	9-1/4 miles northeast	M. Cortinas	J. C. Crde & J. R. Hicks	--	--	29	36	2.4
602	8 miles northeast	do.	Collie Taylor	--	1924	48	36	3.0
603	9 miles northeast	do.	W.P.A. test well	Cecil Noble	1936	22	3	0
604	8 1/2 miles northeast	do.	Mrs. E. P. Miller	Sandy McDonald	1934	27	56	3.3
e/605	do.	do.	W.P.A. test well	Cecil Noble	1936	22	3	--
606	8-1/4 miles northeast	J. Lanig	G.R. Tatum	W.H. Boles	1934	21	36	2.9
607	7 1/2 miles north	J. Milliner	W.E. Johnson	P. Drown	1917	34	36	3.5
608	6 1/2 miles north	A. Smothers	G.C. Crossloy	J.C. Bickley	1906	70	36	3.0
609	6-1/4 miles north	M. T. Equis	J. E. Carrington	McGreen	1910	53	36	3.0
e/610	6 miles northeast	do.	Bethel Church	Sandy McDonald	1924	50	36	2.8
611	7 1/2 miles northeast	J.M. Acosta	W.O. Murphy	---	--	19	36	2.6

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

^{b/} T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, Bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of Wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power <u>d/</u>	Use of water <u>e/</u>	Remarks
	Above + below - measur- ing point (feet)	Date of measure- ment.			
563	Flows	Apr. 21, 1936	None	S	
564	--	do.	None	N	See log.
565	-37.4	Apr. 21, 1936	B,H	N	Dug well with no curbing. Log; white sand, 0-5; red and white shale, 5-10; red and yellow sand, 10-23; orange sand, 23-35; and white sand, 35-38 feet.
566	-43.2	May 5, 1936	B,H	D,S	Dug well with brick and concrete curbing.
567	-57.4	do.	B,H	D,S	Dug well with wood curbing. Small supply.
568	Flows	Apr. 23, 1936	None	S	Has been flowing 15 years. Flow estimated at 40 gallons a minute.

No.	Water Level		Pump and kind and amount of power <u>b/</u>	Use of water <u>c/</u>	Remarks
	Above + below - measur- ing point (feet)	Date of measure- ment.			
601	-29.7	Apr. 20, 1936	B,H	D,S	Dug well with wood curbing. Water level gets low in summer.
602	-49.2	do.	B,H	D	Dug well with wood curbing.
603	-2 $\frac{1}{2}$	do.	None	N	See log.
604	-29.8	do.	B,H	N	Dug well with wood curbing. "Alum water".
605	--	do.	None	N	No water. See log.
606	-22.3	May 5, 1936	B,H	D,S	Dug well with wood curbing.
607	-35.6	do.	B,H	D,S	Dug well with no curbing. Water level lowers in summer.
608	-68.6	Apr. 27, 1936	B,H	D,S	Dug well with no curbing. Strong supply.
609	-55.2	May 5, 1936	B,H	D,S	Dug well with no curbing. Water from gravel. Gets low in summer.
610	-49.3	Apr. 20, 1936	B,H	D	Dug well with no curbing.
611	-9.2	do.	B,H	D,S	Do.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Poyner See Plate 6	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
612	6½ miles northeast	M. Goliher	T.J.Cobble	--	--	54	36	3.1
613	8½ miles east	Martin Pruitt	Dan W. Hollingsworth	Hy. Hollingsworth	1910	26	60	0
614	6-¾ miles east	Jnc. Ferguson	Mrs. B. Bacon	--	1925	29	36	2.5
615	6 miles east	M. Goliher	J.S. Wofford	Less McDonald	1932	28	36	2.6
616	3-¼ miles east	A. Benge	Mrs. M. Moore	do.	1933	52	36	2.7
617	2-¾ miles east	do.	A. B. Mandlestam	--	1906	45	36	2.5
618	2½ miles north	E. Casanova	Mrs. E. P. Miller	--	--	18	36	3.0
619	4 miles north	J.J. Martinez	Will Williford	Dan Dansby	1934	51	36	3.3
e/620	do.	do.	- Tucker No. 1	Boston Fin- castle Oil Co.	--	1,440	--	--
621	1½ miles north	N.T.Robinson	J. J. Thrasher	J. J. Thrasher, Jr.	1931	61	36	2.8
622	1/4 mile north	I.W.Burton	Poyner School	--	--	65	2	1.0
623	In Poyner	T. Hinshaw	J. Casey	--	1925	41	36	4.1
624	do.	I. W. Burton	Poyner Saw Mill & Gin	--	--	18	60	0
625	In Poyner	I.W. Burton	W.P.A. test well	Cecil Noble	1936	20	3	--
626	1/2 mile west	do.	J.M.Hardaway	--	--	Spring	--	--
e/627	¾ mile west	do.	do.	Oil Co.	--	900	--	--
628	1/2 mile northwest	do.	T. & N.C. R.R.	T. & N.O. Section hands	--	16	24	0
629	1 mile west	do.	J.M.Hardaway	J. M. Hardaway	--	51	48	2.8

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measur- ing point (feet)	Date of measure- ment.			
611	-53.4	Apr. 18, 1936	B,H	D,S	Dug well with brick curbing.
612	-26.1	do.	B,H	D,S	Dug well with rock curbing. Small supply.
614	-30.0	do.	B,H	D,S	Dug well with wood curbing. Good supply.
615	-26.6	do.	B,H	D,S	Dug well with concrete curbing. Water level remains constant.
616	-51.8	Apr. 17, 1936	B,H	D,S	Dug well with wood curbing.
617	-41.6	do.	B,H	D	Dug well with brick curbing.
618	-14.6	Apr. 20, 1936	B,H	D	Dug well with wood curbing.
619	-53.0	Apr. 21, 1936	B,H	D,S	Do.
620	--	--	None	N	See driller's log.
621	-59.0	Apr. 20, 1936	B,H	D	Dug well with wood curbing. Weak supply.
622	-50.0	do.	C,H	School	
623	-33.6	Apr. 17, 1936	B,H	D	Dug well with brick curbing. Water level is constant.
624	Flows	do.	None	Ind.	Dug well with wood curbing. Flow estimated at 3 gallons a minute.
625	--	Apr. 17, 1936	None	N	See log.
626	Flows	Apr. 12, 1936	Spring	D,S	Flows 5 gallons a minute from box in sandstone near fault.
627	Flows	Apr. 10, 1936	None	S	Flows 2 inch stream.
628	-4.2	Apr. 20, 1936	C,G -	Ind.	Dug well with wood curbing. Water in green sand.
629	-49.0	Mar. 8, 1936	C,W	D,S	Dug well with brick curbing.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Loc. See Plate	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
Nacodoches								
e/701	4 $\frac{1}{2}$ miles northeast	School Land	Mrs. E.P. Miller	--	--	Spring	--	--
702	4 miles northeast	M. Clark	J. F. Godwin	J. F. Godwin	1912	20	36	2.1
e/703	2 miles northeast	S. Boom	Zoe A. Johnson	Pine Grove Oil Co.	--	2,911	--	--
704	3 $\frac{1}{2}$ miles north	B. F. Higgins	Sholars and Tindel	Sholars and Tindel	--	62	36	1.7
705	3 $\frac{1}{2}$ miles north	Anna Davis	W.P.A. test well	Cecil Noble	1936	20	3	--
706	3 $\frac{1}{4}$ miles northwest	Z. Monk	Tom Faulk	R. Russell	1936	33	48	2.0
707	5 miles northwest	John B. Owens	W. E. Johnson	W. E. Johnson	1906	15	144	1.9
e/708	5 $\frac{1}{2}$ miles northwest	Samuel Cheers	W.P.A. test well	Cecil Noble	1936	50	3	--
e/709	5 $\frac{1}{4}$ miles northwest	do.	do.	do.	1936	5	3	--
710	6 $\frac{1}{2}$ miles northwest	J. Estes	Will Richardson	George Adams	1905	18	36	2.9
711	do.	do.	do.	--	--	Spring	--	--
712	7 $\frac{1}{2}$ miles northwest	Nelson Box	C. H. Coleman	--	1896	45	48	3.3
e/713	7 $\frac{1}{4}$ miles northwest	Nelson Box	W.P.A. test well	Cecil Noble	1936	41	3	--
714	6 $\frac{3}{4}$ miles west	do.	do.	do.	1936	20	3	--
715	6 $\frac{1}{4}$ miles west	do.	Pine Grove School	--	1930	20	36	--
716	6 $\frac{1}{4}$ miles west	Samuel Cheers	Mrs. Ed Carroll	--	--	13	36	2.4
717	4 $\frac{3}{4}$ miles west	do.	L. L. Morris	Holland Morgan	1929	10	36	2.0
718	4 $\frac{1}{2}$ miles west	T. T. Jones	Mrs. W.D. Price	--	1906	20	36	2.6
719	2 $\frac{1}{2}$ miles west	W.A.H. Cannon	J. J. Jones	Wheeler Gore	1934	29	24	2.1
720	2 $\frac{1}{2}$ miles west	W.A.H. Cannon	W.P.A. test well	Cecil Noble	1936	12	3	--

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; l, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm., steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Henderson County--Continued

No.	Water Level Above + below - measur- ing point (feet)	Date of measure- ment.	Pump and kind and amount of power l/	Use of water c/	Remarks
701	Flows	Apr.27, 1936	None	D,S	Spring flowing 5 gallons a minute from barrel sunk in sandstone.
702	-17.0	do.	I,H	D,S	Dug well with wood curbing. Water level lowers in summer.
703	--	--	None	N	See driller's log.
704	-55.8	Apr.10, 1936	C,W	D,S	Dug well with concrete curbing. Can be pumped dry.
705	-2.0	Apr.27, 1936	None	N	See log.
706	-31.8	Apr.10, 1936	B,H	D,S	Dug well with brick curbing.
707	-11.3	do.	C,G 2½	S,Ind.	Dug well with no curbing. Water supply for cotton gin.
708	--	--	None	N	No water. See log.
709	--	--	None	N	Do.
710	-16.1	do.	B,H	D,S	Dug well with brick curbing.
711	Flows	Apr.9, 1936	None	S	Flows 10 gallons a minute from sand overlying shale.
712	-27.2	Apr.14, 1936	B,H	D,S	Dug well with brick curbing.
713	--	--	None	N	No water, see log.
714	-6.0	May 11, 1936	None	N	See log.
715	--	--	C,H	P	Do.
716	-7.0	Apr.14, 1936	B,H	D,S	Do.
717	-6.8	do.	B,H	D,S	Dug well with wood curbing.
718	-17.1	May 1, 1936	B,H	D,S	Dug well with brick curbing.
719	-28.0	Apr.16, 1936	B,H	D,S	Do.
720	-4.6	Apr.16 1936	None	N	See log.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from La Rue See Plate 7	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft) a/
721	$\frac{3}{4}$ miles north	S. Boon	L. D. Henderson	--	1915	32	36	3.3
722	2 miles northeast	do.	V. Meyer	--	1915	18	36	2.6
723	In La Rue	R. Hunter	Public School	--	1933	28	36	2.2
724	$\frac{3}{4}$ miles southwest	J. Melton	J. R. Hallmark	--	--	43	36	3.1
e/725	$\frac{3}{4}$ miles southwest	R. Hunter	W.P.A. test well	Cecil Noble	1933	32	3	--
726	1 mile south	R. Hunter	County Road	Humble Oil Co.	1933	90	3	2.3
e/727	2 miles west	Phillip Jackson	Peter Williams	--	1932	23	36	2.0
728	$3\frac{1}{2}$ miles west	do.	A.B. Daniel	Tom Russell	1931	66	36	2.0
e/729	$6\frac{1}{2}$ miles west	W. Simms	S. J. Hubbard	Ed Harris	--	47	36	2.0
730	$7\frac{1}{2}$ miles southwest	E. E. Patterson	Loan Co.	Billy Knight	--	12	36	1.5
731	$7\frac{1}{2}$ miles southwest	Edward Patterson	W.P.A. test well	Cecil Noble	1936	31	3	--
732	do.	do.	L.B. Teague	John Sullivan	1919	30	36	3.0
733	$5\frac{3}{4}$ miles southwest	S.W. Mims	N.E. Webb	N.E. Webb	1905	26	36	2.4
e/734	$4\frac{1}{2}$ miles southwest	Phillip Jackson	Ritter Price	John Pautk	1916	37	36	2.3
735	$3\frac{1}{2}$ miles southwest	W. N. Carter	J. W. Lightfoot	A. F. Lightfoot	1926	--	6	2.0
736	$3\frac{1}{2}$ miles southwest	J. B. Holcomb	Mrs. J. G. Van Zant	- Greer	1929	55	42	2.3
737	$2\frac{1}{2}$ miles south	J. Huntington	B. W. Williams	I. Owens	1924	114	36	2.2
e/738	2 miles southeast	R. Hunter	W.P.A. test well	Cecil Noble	1936	10	3	--
c/739	2 miles southeast	do.	do.	do.	1936	12	3	--
740	$2\frac{1}{2}$ miles south east	R. Hunter	E. C. Crews, hrs.	- Baker	1918	44	6	2.1
741	$5\frac{1}{2}$ miles southeast	I.W. Burton	Poyner School	W.P.A. workers	1936	56	36	1.3

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, wind-mill; H, hand.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measur- ing point	Date of measur- ment.			
721	(feet) -31.9	May 5, 1936	B,H	D,S	Dug well with no curbing.
722	-13.1	do.	B,H	S	Dug well with no curbing. Water level lowers in summer.
723	-27.4	Apr.16, 1936	C,H	D,S	Dug well with brick curbing.
724	-41.6	do.	B,H	D,S	Do.
725	--	--	None	N	See log.
726	Flows	do.	None	D,S	Flowing well with no casing. Many families haul water from it.
727	-21.7	May 1, 1936	B,H	D,S	Dug well with brick curbing. Never fails.
728	-63.3	May 1, 1936	B,H	D,S	Dug well with no curbing. Small supply.
729	-43.9	Apr.29, 1936	B,H	D,S	Do.
730	-9.0	Feb.12, 1936	B,H	D,S	Dug well with brick curbing. Never fails.
731	-26.0	Feb.12, 1936	None	N	See log.
732	-30.1	do.	B,H	D,S	Do.
733	-23.8	Apr.30, 1936	B,H	D,S	Dug well with brick curbing. Strong supply.
734	-35.7	May 1, 1936	B,H	D,S	Dug well with zinc curbing. Small supply.
735	-52.1	do.	B,H	D,S	Bored well with wood casing. Strong supply.
736	-51.3	do.	B,H	D,S	Dug well with no curbing.
737	-112.7	Apr.17, 1936	B,H	D,S	Dug well with concrete curbing. Water from quicksand.
738	-4.0	Apr.16, 1936	None	N	See log.
739	--	--	None	N	Do.
740	-40.1	Apr.16, 1936	B,H	D,S	Bored well with wood casing.
741	-53.9	do.	B,H	D,S	Dug well with concrete curbing.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County—Continued

No.	Distance from La Rue See Plate 7	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground(ft)a/
742	4½ miles south	J. Huntington	J.M. Miller	J.W. Taylor	1928	54	36	3.0
743	4 miles south	G. W. Warren	C.A. Atwood	--	1906	111	36	3.0
744	4½ miles southwest	J. W. Farris	Mrs. J.W. Farris	M.C. Farris	1930	86	36	3.5
e/745	6 miles southwest	William Hogg	Charley Williams	Charley Williams	1935	24	42	2.2
746	7½ miles southwest	Edward Patterson	W.P.A. test well	Cecil Noble	1936	30	3	0
747	8 miles southwest	W. W. Hall	do.	do.	1936	16	3	0
e/748	8 miles southwest	W.W. Hall	do.	do.	1936	28	3	--
e/749	8½ miles southwest	J. A. Newland	do.	do.	1936	8	3	0
750	8½ miles southwest	J. A. Newland	E.L. Giles	E. L. Giles	--	26	36	3.0
751	7 miles southwest	J. Reynolds	W.C. Till	Tracy Lambright	1924	20	6	2.0
752	6½ miles southwest	W. Palmer	J. W. Palmer	J. W. Palmer	1916	75	6	2.3

No.	Distance from Malakoff See Plate 8	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground(ft)a/
801	9 miles east	Thomas Parmer	Charles Gooden	--	1895	74	36	3.0
802	do.	J. W. Hughes	J. W. Alderson	--	1920	17	36	0
803	8 miles east	Samuel Moss	C. E. Hendry	Sam Goodgame	1932	35	6	1.0
804	7½ miles east	do.	T.G. Self	--	1933	41	6	3.5
805	4½ miles southeast	S. Sylvester	W. F. Leopard	Henry Welch	--	50	40	3.0
e/806	2½ miles east	John M. Sally	W.P.A. test well	Cecil Noble	1936	16	3	--
e/807	do.	do.	do.	do.	do.	15	3	--

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T, turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measuring point (feet)	Date of measurement.			
742	-52.3	Apr.17, 1936	B,H	D,S	Dug well with brick curbing.
743	-105.0	Apr.30, 1936	B,H	D,S	Do.
744	-81.8	Apr.30, 1936	B,H	D,S	Do.
745	-24.1	Apr.30, 1936	B,H	D,S	Do.
746	-22.0	Feb.12, 1936	None	N	See log.
747	-16.0	do.	None	N	Do.
748	--	--	None	N	No water. See log.
749	-4.0	Feb.12, 1936	None	N	See log.
750	-24.0	Feb.12, 1936	B,H	D,S	Dug well with wood curbing.
751	-11.5	Apr.30, 1936	B,H	D,S	Bored well with wood curbing. Good supply.
752	-66.8	Apr, 30, 1936	B,H	D,S	Bored well with tile casing.

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measuring point (feet)	Date of measurement.			
801	-66.7	Mar.4, 1936	B,H	D,S	Dug well with brick curbing. Well never fails.
802	-12.5	Mar.5, 1936	B,H	D,S	Do.
803	-24.7	do.	B,H	D,S	Bored well with tile casing. Never fails.
804	-39.1	do.	B,H	D,S	Bored well with wood casing. Never fails.
805	-50.1	Apr.2, 1936	B,H	S	Dug well with brick curbing. Water level gets low in summer.
806	--	--	None	N	Not supplied because of quicksand. See log.
807	--	--	do.	N	No water. See log.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Malakoff See Plate 8	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft) ^{a/}
e/808	2 $\frac{1}{2}$ miles east	George Aldrich	Section in mine shaft.		1936	87	3	--
809	2 miles east	do.	Alice Carson	--	--	44	8	2.3
810	2 miles southeast	do.	do.	--	1927	21	6	2.9
811	2 $\frac{3}{4}$ miles southeast	do.	W.P.A. test well	Cecil Noble	1936	54	3	0
812	2 miles southeast	do.	do.	do.	1936	16	3	0
813	1 $\frac{1}{2}$ miles northeast	G. Martinez	R. P. Tidmore	--	--	36	36	4.0
814	$\frac{3}{4}$ miles east	John Allbright	Dan Holley	Henry Barton	1901	43	36	1.6
e/815	1 mile south	do.	W.P.A. test well	Cecil Noble	1936	11	3	--
816	2 miles south	do.	Wright Edmundson	S. H. Goodgame	1935	68	6	1.7
817	2 $\frac{1}{2}$ miles south	do.	W.P.A. test well	Cecil Noble	1936	12	3	0
818	3 miles southeast	Jose Rice	A. L. Easterling	Sam Goodgame	--	87	6	2.6
819	4 $\frac{1}{2}$ miles southeast	J. Tator	County Road	--	--(Spring)		48	0
820	4 $\frac{1}{2}$ miles southeast	do.	J. A. Jackson	--	1920	70	6	2.6
e/821	do.	W. Kay	G. B. Meredith	Darby Pet. Corp.	--	4,226	12 $\frac{1}{2}$	--
822	do.	do.	W. J. Dosser	Sam Goodgame	1936	58	6	2.0
823	7 miles southeast	J. McManus	C. R. Boyd	--	1926	40	12	2.0
824	8 miles southeast	J. Perkins	John T. Hester	Sun Oil Co.	1934	70	36	3.0
825	do.	J. Perkins	J. T. Hester	J. A. Moore	--	36	48	2.8
e/826	do.	do.	W.P.A. test well	Cecil Noble	1936	14	3	--
827	8 $\frac{1}{2}$ miles east	W. Fancher	Charley Henry	--	--	18	36	3.0

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, Air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, wind-mill; H, hand.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measur- ing point (feet)	Date of measure- ment.			
808	--	--	None	N	Water seeping in through roof of mine.
809	-29.5	Apr. 2, 1936	B,H	S	Bored well with tile casing. Water level same all year.
810	-17.8	do.	B,H	D,S	Bored well with wood casing.
811	-50.0	do.	None	N	See log.
812	-4.0	do.	None	N	Do.
813	-36.3	Feb. 10, 1936	B,H	D,S	Dug well with brick curbing. Water level lowered in summer of 1935.
814	-37.9	Apr. 2, 1936	B,H	D,S	Dug well with brick curbing. Gets low in summer.
815	--	--	None	N	See log.
816	-59.2	Mar. 24, 1936	B,H	D,S	Bored well with wood casing. Water level never lowers.
817	-5.0	Mar. 10, 1936	None	N	See log.
818	-82.5	Apr. 2, 1936	B,H	D,S	Bored well with no casing.
819	-1.2	Apr. 2, 1936	B,H	D,S	Water level lowers in summer. Mud set in sand.
820	-57.6	Apr. 2, 1936	B,H	D,S	Water level never varies.
821	--	--	None	N	Oil test, see driller's log.
822	-42.5	Apr. 2, 1936	B,H	D,S	Bored well with tile casing..
823	-34.0	Mar. 5, 1936	B,H	D,S	Bored well with wood casing. Never fails.
824	Flows	June 5, 1936	Flows	D,S	Flow estimated at 200 gallons a minute.
825	-34.0	Mar. 5, 1936	B,H	D,S	Dug well with no curbing. Never dry.
826	--	--	None	N	See log.
827	-17.8	Mar. 5, 1936	B,H	D,S	Dug well with brick curbing. Never fails.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Malakoff See Plate 8	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft) ^{a/}
e/828	8½ miles east	W. Shelton	J. W. Cecil	J. W. Cecil	1915	22	36	--
829	9½ miles east	--	Loan Co.	--	1861	16	36	2.8
830	10½ miles east	Nelson Box	T. B. Miller	Robert Miller	1896	40	36	2.9
831	11 miles east	do.	M. J. McCool	Charles McCool	1935	19	36	3.3
e/832	10 miles east	M. S. McKeever	Wade Owen, Est.	--	--	22	60	2.3
e/833	do.	do.	W.P.A. test well	Cecil Noble	1936	9	3	--
834	9½ miles southeast	N. S. Clayton	W. R. Day	Morrill Harris	1935	57	36	3.0
835	8 miles southeast	A. Hanna	L. T. Trammell	Sam Goodgame	1933	31	6	2.2
e/836	7 miles southeast	S. D. Wood	B. B. Atkins	do.	1926	96	6	2.0
837	6 miles southeast	Jose M. Alpando	S. J. Riddlesperger	--	1930	108	6	2.7
838	5½ miles south	do.	W.P.A. test well	Cecil Noble	1936	20	3	0
839	4½ miles south	Jose S. Cordova	do.	do.	1936	13	3	0
840	do.	do.	-- Riddle-sperger	--	--	Spring	--	--
841	7½ miles south	-Gruson	W.P.A. test well	Cecil Noble	1936	23	3	--
842	7½ miles south	W. R. Rushing	R. P. Cotten	Sam Goodgame	1934	40	6	2.2
e/843	7½ miles southeast	do.	W. H. McCullough	--	--	Spring	--	0
844	8 miles southeast	J. H. Davis	Billy Riddlosperger	E. A. Adair	1934	20	36	2.1
845	do.	M. A. Rice	F. Locke	--	1928	54	8	2.3
846	do.	D. A. Anding	J. D. Goodgame	Frank Rogers	1930	14	36	2.4
847	do.	do.	Bud Anding	Orville Anding	1932	29	36	2.6

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand:

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power H/	Use of water c/	Remarks
	Above + below - measur- ing point (feet)	Date of measure- ment.			
828	--	--	B,H	D,S	Dug well with brick curbing.
829	-15.8	Apr.30, 1936	B,H	D,S	Do.
830	-39.9	Apr.13, 1936	B,H	D,S	Do.
831	-19.2	Apr.29, 1936	B,H	D,S	Do.
832	-23.1	Apr.29, 1936	B,H	D,S	Dug well with brick curbing. Goes dry in summer.
833	--	--	None	N	No water.. See log.
834	-54.2	Apr.19, 1936	B,H	D,S	Dug well with brick curbing. Reported log, yellow sand, 0-15; hard white sand, 15-25; sand, 25-45; and red clay,45-50ft.
835	-26.9	Mar.30, 1936	B,H	D,S	Dug well with wood curbing. Water level does not lower.
836	-89.9	Mar.24, 1936	B,H	D,S	Bored well with wood casing. Strong supply.
837	-88.5	Mar.24, 1936	B,H	D,S	Bored well with tile casing.
838	-16	do.	None	N	See log.
839	-6	Mar. 10, 1936	None	N	Do.
840	Flows	Mar.26, 1936	B,H	D,S	Flows 5 gallons a minute. Concrete curb set in sand. Never fails.
841	-14.0	Mar.11, 1936	None	N	See log.
842	-36.9	Apr.29, 1936	B,H	N	Bored well with tile casing.
843	Flows	Mar.24, 1936	None	D,S	Flows 5 gallons a minute from wooden barrel set in sandstone overlying buff colored shale. Never fails.
844	-13.1	Mar.31, 1936	B,H	D,S	Dug well with brick curbing. Water level never varies.
845	-26.0	Mar.31, 1936	B,H	N	Bored well with tile casing. Reported unfit for use.
846	-8.2	Mar.30, 1936	B,H	D,S	Dug well with brick curbing. Water level lowers with drouth.
847	-28.9	Mar.30, 1936	B,H	D,S	Dug well with no curbing. Water from 8 feet of lignite.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Malakoff See plate 8	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft)a/
848	8½ miles southeast	J. Jones	W.P.A. test well	Cecil Noble	1936	11	3	0
e/849	9 miles southeast	W.H.Beck	J. N. Sparks	W.H. Beck	1860	26	42	2.8
e/850	10½ miles southeast	G.C. & S.F. R. R. Co.	Joe M. Ligon	Duke Burgess	1917	3,160	8	0
e/851	10 miles southeast	M. A. Shepherd	W.P.A. test well	Cecil Noble	1936	33	3	--
852	11½ miles southeast	M. Murchison	Ford, Wynn and Pickens	Jim Barton	1935	57	6	2.2
853	9½ miles southcast	A. T. Allen	R. D. Palmer	Linder & Rainwater	1930	14	36	2.5
e/854	10 miles southcast	G. J. Mitcham	W.P.A. test well	Cecil Noble	1936	20	3	--
855	9½ miles south	H. Mitcham	Robert Green	Jim Barton	1931	48	6	2.4
856	8½ miles south	W. F. Mitcham	W.P.A. test well	Cecil Noble	1936	8	3	0
857	8 miles south	Isaac Greeson	Mary Thomas	Jack Barton	1928	37	6	2.9
e/858	7½ miles south	do.	Claude Lane	Jim Barton	1929	84	6	2.7
859	8 miles south	W. F. Mitcham	John Hadon	--	--	63	6	2.0
e/860	8½ miles south	John Hollien	W.P.A. test well	Cecil Noble	1936	14	3	--
861	8 miles south	Isaac Greeson	J. P. Pickens	Jim Barton	1935	54	6	2.5
862	do.	F. Von Der Hova	E. A. Boyd, Est.	- Abney	1926	106	2	--
e/863	9½ miles south	T. J. Lindsey	W.P.A. test well	Cecil Noble	1936	9	3	--
864	9½ miles south	do.	Joe A. Worsham	Joe Worsham	1936	503	6	--
865	9½ miles south	J. Clendennen	C. R. Litchfield	Jack Barton	1913	62	2	0.6
866	10½ miles south	A. J. Allen	H. W. Barton	W. H. Barton	1900	47	6	2.9

a/ Measuring point 'as usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill, H, hand.

Records of wells in Henderson County--Continued

No.	Water Level Above + below - measur- ing point (feet)	Date of measure- ment.	Pump and kind and amount of power b/	Use of water c/	Remarks
848	-2.0	Mar.30, 1936	None	N	See log.
849	-19.5	Mar.30, 1936	B,H	D,S	Dry well with no curbing.
850	+ 7.0	Apr.29, 1917	None	N	Flowed from sands at 500-515 and 1,440-1,465 feet. Reported good water. Now plugged.
851	--	--	None	N	No water. See log.
852	-38.2	Mar.30, 1936	B,H	D,S	Bored well with wood casing. Reported log; surface sand, 0-12; red clay, 12-14; gray sand, 15-39; and dark shale to bottom.
853	-12.5	Mar.31, 1936	B,H	D,S	Dug well with no curbing. Water level never lowers.
854	--	--	None	N	No water. See log.
855	-37.4	Mar.26, 1936	B,H	D,S	Bored well with wood casing. Never fails.
856	-6.0	Mar.11, 1936	None	N	See log.
857	-25.6	Mar.26, 1936	B,H	D,S	Water level never lowers. Bored well with pine casing.
858	-68.2	Mar.24, 1936	B,H	N	Do.
859	-52.3	Apr.29, 1936	B,H	D,S	Bored well with tile casing.
860	--	--	None	N	No water. See log.
861	-39.0	Mar.27, 1936	B,H	D,S	Water level does not vary. Bored well with wood casing.
862	-50.0	Mar.27, 1936	C,G,3	D,S	Cannot be pumped dry.
863	--	--	None	N	No water.
864	-75.0	Oct. d/ 1935	A	D,Ind	Production of 100 gallons a minute reported.
865	-40.0	Mar.26, 1936	C,H	D,S	Water level never varies.
866	-37.4	Mar.26, 1936	B,H	D,S	Water level lowers in summer.

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

d/ Water level reported and no date given.

c/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Malakoff Sec Plate 8	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft)a/
667	9½ miles south	R. H. Pierson	Dolfus Pettit	Jim Barton	1934	46	6	3.0

No.	Distance from Trinidad Sec Plate 9	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft)a/
e/901	4¼ miles northeast	G. Martinez	W.P.A. test well	Cecil Noble	1936	27	3	--
902	3½ miles northeast	do.	Richard Derden	--	1934	100	9	1.5
e/903	3 miles northeast	Peter Tumlinson	W.P.A. test well	Cecil Noble	1936	16	3	--
e/904	do.	Peter Tumlinson	T. A. Bartlett	D.K. Parker	1910	600	4	--
905	3¾ miles northeast	- Tidwell	Drano Ice Co.	Layne-Texas Co.	1926	365	12	--
906	3½ miles northeast	Peter Tumlinson	T. A. Bartlett	T.A. Bartlett	1920	350	3	0
907	2 miles northeast	do.	W.P.A. test well	Cecil Noble	1936	31	3	0
908	5 miles northeast	M. L. Sanchez	A. M. Roberts	- Goodgame	1910	16	36	2.9
909	2 miles north	M. M. Sanches	W.P.A. test well	Cecil Noble	1936	15	3	--
910	1 mile northeast	George Norvell	do.	do.	1930	9	3	0
911	do.	George Norvell	J. W. Bartlett	--	--	14	36	0
912	1 mile north	G. M. Killion	E. M. Forehand	--	--	61	6	3.4
913	2 miles north	J. Ping	W. L. Pulley	--	--	47	36	3.0
914	2½ miles northwest	Daniel Lacy	Mrs. A Bowman	--	1910	43	36	3.0
e/915	1½ miles west	N. Addison	W.P.A. test well	Cecil Noble	1936	6	3	--
e/916	do.	do.	do.	do.	1936	14	3	--

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below measuring point (feet)	Date of measurement.			
867	-40.8	Mar.11, 1936	B,H	D,S	Bored well with wood casing. Never fails.

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below measuring point (feet)	Date of measurement.			
901	--	--	None	N	See log.
902	-87.2	Apr.1, 1936	B,H	D,S	Bored well with tile casing.
903	--	--	None	N	No water. See log.
904	--	--	A,-	N	Has supplied brick plant. Now caved in.
905	--	--	C,E,20	Ind.	Used for ice manufacturing. Reported production of 140 gallons a minute.
906	-40.0	d/	A,-	D,S,P	Large supply of water.
907	-30.0	Feb.7, 1936	None	N	See log
908	-16.3	Mar.12, 1936	B,H	D,S	Dug well with brick curbing. Never fails.
909	--	--	None	N	See log.
910	-6.0	Jan.30, 1936	None	N	Do.
911	-11.2	do.	B,H	N	Dug well with brick curbing.
912	-48.8	Mar.13, 1936	B,H	D,S	Bored well, wood casing. Water level lowers at times.
913	-47.0	Mar.13, 1936	B,H	S	Dug well with brick curbing. Never lowers.
914	-40.5	Mar.13, 1936	B,H	D,S	Dug well with brick curbing. Can be drawn dry.
915	--	--	None	N	No water. See log.
916	--	--	None	N	Do.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Records of wells in Henderson County--Continued

No.	Distance from Trinidad See Plate 9	Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft) ^{a/}
917	1 mile west	N. Addison	Celia Parker	--	---	30	36	3.0
918	1 mile southwest	do.	Texas Power and Light Co.	Texas Power & Light Co.	1931	51	6	0.5
e/919	1 1/4 miles south	do.	Lone Star Gas Co.	Lone Star Gas Co.	1935	200	8	1.0
920	do.	W.M. Ligon	W.M. Bradley	--	1922	15	36	2.7
921	do.	N. Addison	Lone Star Gas Co.	Lone Star Gas Co.	1935	450	6	2.0
922	1/4 mile southwest	do.	Trinidad Ind. School	M. Moore	1925	30	36	0
923	In Trinidad	do.	C. R. Johnston	Jap Hashay	1903	29	8	1.5
924	do.	do.	Mrs. Lula Hammett	--	1916	30	36	3
e/925	do.	do.	Cotton Gin	--	1912	80	72	0
926	do.	do.	J. P. Nicholson	J. P. Nicholson	1933	25	72	0
927	3 miles east	Peter Tumlinson	H. P. Barton	--	--	32	36	--
928	3 1/2 miles east	John Allbright	Dwight Carson	--	1924	105	6	1.7
929	3 miles southeast	Peter Tumlinson	C. S. McAllister	C. S. McAllister	1928	5	36	1.6
930	2 1/2 miles south	W. E. Honeycutt	W.P.A. test well	Cecil Noble	1936	12	3	0
e/931	3 miles south	J. P. Thompson	Trinity Farms	-- Smalling	--	27	36	2.2
932	3 1/2 miles south	T. N. Jones	W.P.A. test well	Cecil Noble	1936	12	3	0
933	3 miles southeast	H. M. Hanks	J. A. Jackson	Sam Goodgame	1930	46	6	2.9
e/934	4 1/4 miles southeast	Jose M. Alpando	W.P.A. test well	Cecil Noble	1936	29	3	--
e/935	6 1/2 miles south	W. M. Keese	Island Fishing Club	--	1896	39	36	2.6
936	8 1/2 miles south	Mary W. Thompson	Trinity Farm	Roeser & Pendleton	1933	1,330	2	2.0
937	8 1/2 miles southeast	Jose P. Perez	M. O. Kinnebrew	--	1900	32	6	2.2

a/ Measuring point was usually top of casing, top of pump base, top of curb or top of water pipe clamp.

b/ T., turbine; Cf, centrifugal; A, air-lift; C, cylinder; B, bucket or bailer; E, electric; Stm, steam; G, gasoline engine or tractor; W, windmill; H, hand.

Records of wells in Henderson County--Continued

No.	Water Level		Pump and kind and amount of power b/	Use of water c/	Remarks
	Above + below - measur- ing point (feet)	Date of measure- ment.			
917	-26.0	Mar.10, 1936	B,H	D,S	Dug well with brick curbing. Never fails.
918	-28.0	Mar.23, 1936	C,E,7½	D,Ind	Log, sand and shale, 0-30; sand and gravel, 30-36; shale, 36-39; and water sand, 39-51 feet.
919	--	Mar.23, 1936	A,-	Ind	For use in boilers. See driller's log.
920	-15.5	Mar.20, 1936	B,H	D,S	Dug well with brick curbing. Gets low in dry season.
921	-15.0	Mar.23, 1936	A,-	Ind	Treated for boiler use. See log.
922	-20.0	d/	C,E,1½	D,S	Dug well with concrete curbing. Never goes dry.
923	-26.0	Feb.7, 1936	B,H	D,S	Tile casing. Strong supply.
924	-31.0	Feb.7, 1936	B,H	D,S	Never goes dry in summer. Dug well with brick curbing.
925	-60.0	d/	Stm	N	Dug well with brick curbing. Formerly used for boilers.
926	-23.0	d/	C,E,1½	D,Ind	Dug well with brick curbing.
927	--	--	B,H	D,S	Dug well with wood curbing.
928	-41.6	Mar.24, 1936	B,H	D,S	Bored well with tile casing. Finished in lignite.
929	-3.5	Apr.13, 1936	B,H	D,S	Dug well with wood curbing. Water level same all year.
930	Flows	Mar.27, 1936	None	N	See log.
931	-23.6	Mar.20, 1936	C,W	D,S	Cannot be pumped dry. Dug well with brick curbing.
932	-6.0	Mar.28, 1936	None	N	See log.
933	-44.5	Mar.23, 1936	B,H	D,S	Gets low in summer, and when wind changes.
934	--	--	None	N	No water. See log.
935	-38.0	Mar.23, 1936	B,H	D,S	Dug well with brick curbing. Small supply.
936	Flows	Mar.27, 1936	None	D,S	Estimated flow, 50 gallons a minute. mostly wasted. See partial driller's log.
937	-28.5	Mar.27, 1936	B,H	D,S	Water level never lowers in summer. Sulphur taste reported.

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

d/ Water level reported and no date given.

e/ No water sample collected for analysis.

Table of Drillers' Logs, Henderson County, Texas

Partial driller's log of well 60.
 (Gulf Production Co., Flag Lake No.1, H. Jeffrey
 Survey, 3 1/2 miles southeast of Aley.)

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Soil and clay-----	15	15	Rock-----	3	756
Blue shale-----	17	32	Shale and shells-----	4	760
Rock-----	1	33	Gumbo-----	11	771
Blue shale-----	49	82	Sand rock-----	4	775
Hard sand-----	80	162	Gumbo-----	6	781
Gritty shale-----	18	180	Boulders-----	12	793
Rock-----	2	182	Hard shale-----	7	800
Rock sand-----	8	190	Hard shells-----	4	804
Sand rock-----	5	195	Gumbo-----	8	812
Dark sand-----	19	214	Rock-----	2	814
Boulder rock-----	2	216	Shale-----	12	826
Gritty shale-----	109	325	Gumbo-----	6	832
Boulder rock-----	2	327	Rock-----	4	836
Hard shale-----	75	402	Shale-----	2	838
Loose shale-----	40	442	Boulders-----	8	846
Hard shale-----	88	530	Hard shale-----	9	855
Boulders-----	12	542	Rock-----	4	859
Shale and shell-----	27	569	Shale-----	6	865
Hard shale-----	36	605	Rock-----	3	868
Rock-----	1	606	Boulders-----	13	881
Boulders-----	8	614	Gritty shale-----	3	884
Hard shale-----	9	623	Shells-----	1	885
Boulders and hard sand-----	25	648	Dark sandy shale-----	4	889
Coarse blue shale-----	26	674	Loose shale-----	8	897
Hard shale-----	18	692	Sand rock-----	8	905
Oil sand-----	1	693	Sandy shale-----	7	912
Boulders-----	12	705	Sand and shells-----	17	929
Gritty shale-----	35	740	Shale-----	26	955
Sand rock-----	11	751	TOTAL-DEPTH-----		3526(?)
Gumbo-----	2	753			

Partial driller's log of well 136.
 (McElreath and Suggett, G. H. Schoellkopf Estate No.1,
 Tom Mitchell Survey, 8 miles southeast of Eustace)

Surface clay-----	20	20	Shale and boulders-----	20	890
Shale-----	106	126	Shale-----	315	1205
Rock-----	3	129	Shale and boulders-----	95	1300
Shale-----	75	204	Shale-----	400	1700
Rock-----	1	205	Chalk-----	62	1762
Shale-----	75	280	Shale-----	10	1772
Rock-----	4	284	Chalk-----	53	1825
Shale-----	225	509	Shale-----	65	1890
Rock-----	2	511	Broken shale-----	11	1901
Shale and boulders-----	28	539	TOTAL DEPTH-----		3365
Shale and boulders-----	331	870			

CASING RECORD: 27 feet of 10 inch casing.

Table of Drillers' Logs--Continued

Partial driller's log of well 163.

(Barclay and Meadows, McCluney No.1,

Amanda Carroll Survey, 11½ miles southwest of Eustace)

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Surface clay-----	25	25	Gumbo-----	76	1586
Water sand-----	4	29	Shale-----	69	1655
Shale-----	106	135	Hard shale-----	165	1820
Rock-----	3	138	Shale-----	35	1855
Shale-----	746	884	Sandy lime-----	100	1955
Cored sand-----	2	886	Shale-----	119	2074
Shale-----	39	925	Sticky shale-----	158	2232
Lime rock-----	103	1028	Shale-----	64	2496
Cored sand-----	2	1030	Gumbo-----	18	2504
Sticky shale-----	151	1181	Chalk-----	120	2624
Shale-----	329	1510	TOTAL DEPTH-----		3395

Partial driller's log of well 247

(C. A. Richardson et al, Richardson Estate No.1,

Ratcliff Survey, 7 miles northwest of Athens)

Surface clay-----	40	40	Sticky shale-----	106	925
Water sand-----	10	50	Hard sandy limerock-----	3	928
Shale-----	65	115	Shale and broken sand---	10	938
Lignite-----	45	160	Hard sandy lime-----	3	941
Shale-----	240	400	Gumbo-----	17	958
Fresh water sand-----	20	420	Shale and lime, shells---	46	1004
Blue shale-----	286	706	Gumbo, shale, and sand		
Blue gumbo-----	30	736	shells-----	14	1018
Sticky shale-----	75	811	Gumbo-----	207	1225
Blue gumbo-----	8	819	Shale and sand shells---	80	1305
			TOTAL DEPTH-----		3150

Driller's log of well 290

(City of Athens No.2,

City of Athens, owner)

Sandy clay-----	17	17	Fine sandy shale-----	66	427
Brown sand-----	10	27	Shale streaks and sand---	34	461
White sand-----	26	53	Sandy shale-----	19	480
Lignite and clay-----	10	63	Hard rock-----	2	482
Sand and lignite-----	12	75	Sandy shale-----	10	492
Shale and rock-----	28	103	Good sand-----	20	512
Shale-----	38	141	Hard shale-----	5	517
Sandy shale and lignite---	32	173	Lignite and shale-----	17	534
Shale and lignite-----	77	251	Sand and lignite-----	20	554
Sandy shale-----	16	267	Sandy shale and lignite---	15	569
Rock-----	1	268	Sandy shale-----	63	632
Shale-----	8	276	Shale and boulders-----	5	637
Sandy shale-----	14	291	Shale-----	12	649
Shale and lignite-----	5	296	Rock-----	2	651
Sandy shale-----	17	313	Sandy shale-----	46	697
Shale and lignite-----	49	362	Hard sandy shale-----	21	718

Table of Drillers' Logs--Continued

Driller's log of well 290--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sandy shale-----	9	727	Boulders-----	1	740
Boulders-----	1	728	Sandy shale-----	2	742
Sandy shale-----	4	732	Boulders-----	1	743
Boulders-----	1	733	Sandy shale-----	52	795
Sandy shale-----	6	739	TOTAL DEPTH-----		795

CASING RECORD: 330 feet, 7 inches of 12½ inch casing at top; 6 inch casing set from 297 to 795 feet and slotted at 316-337, 360-381, 487-532, 575-619, and 732-782 feet, with 6 by 10 inch swage and back pressure valve at bottom.

Driller's log of well No. 292
(Hugh Drane Ise Company No. 1, Athens, Texas.)

Surface clay-----	15	15	Brown shale-----	30	215
Quicksand-----	10	25	Shale and lime-----	30	245
Clay-----	10	35	Shale and sand-----	18	263
Water sand-----	20	55	Gumbo-----	15	278
Clay-----	15	70	Sand and hard shale-----	56	334
Lignite-----	4	74	Hard sand-----	5	339
Clay-----	7	81	Gumbo and lime-----	11	350
Water sand-----	13	94	Shale-----	20	370
Clay-----	12	106	Gumbo and lime-----	50	420
Boulders-----	1	107	Sandstone-----	2	422
Water sand-----	40	147	Gumbo and lime-----	13	435
Clay-----	13	160	Hard sand with water-----	77	512
Water sand-----	23	183	Gumbo-----	1	513
Limestone-----	2	185	TOTAL DEPTH-----		513

Partial driller's log of well 407
(Westhyde Investment Company, Thornhill No.1,
James Spivey Survey, 10 miles northeast of Athens)

Surface-----	188	188	Broken shale-----	120	1860
Shale and boulders-----	366	554	Shale-----	116	1976
Sand and shale-----	251	805	Lime-----	2	1978
Lime-----	2	807	Shale-----	52	2030
Shale-----	12	819	Lime-----	5	2035
Sandy shale-----	220	1039	Shale-----	79	2114
Broken shale-----	146	1185	Sand-----	8	2122
Sandy shale-----	25	1210	Shale-----	178	2300
Shale and shells-----	530	1740	TOTAL DEPTH-----		4503

CASING RECORD: 150 feet of 10 inch casing.

Partial driller's log of well 533
(E. L. Chapman, J. C. and E. R. Cade No. 2,
J. B. Dorsey Survey, 1½ miles southeast of Chandler)

Surface clay and sand-----	75	75	Sticky shale-----	51	521
Shale and boulders-----	308	378	Water sand, artesian flow	57	578
Sticky shale-----	52	430	Sticky shale-----	4	582
Water sand, artesian flow-----	40	470	Water sand, artesian flow	71	653

Table of Drillers' Logs--Continued

Partial driller's log of well 533--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sticky shale-----	54	907	Sticky shale-----	50	1078
Sandy shale-----	60	967	Sandy shale-----	552	1930
Sticky shale-----	103	1150	Brown lime-----	12	1942
Sandy shale-----	165	1315	TOTAL DEPTH-----		5090
Sand rock-----	13	1328			

CASING RECORD: 658 feet of 10 inch casing.

Partial driller's log of well 620.

(Boston Fincastle Oil Co., Tucker No.1, J. Martinez
Survey, 4 miles northeast of Poyner)

Red clay-----	15	15	Brown shale, oil residuo--	39	510
Gray clay-----	15	30	Soft gray shale-----	30	540
Red sand, water-----	30	60	Black oil residue-----	10	550
Gray shale, little sand---	96	156	Light gray shale-----	35	585
Lignite-----	4	160	Black shale, oil residue--	115	700
Sand and water-----	40	200	Lignite-----	5	705
Soft gumbo-----	60	260	Brown clay and shale-----	70	775
Sand and caving shale-----	80	340	Blue shale-----	157	932
Sand and shells, water---	10	350	Good show oil-----	8	940
Sand, light show oil-----	15	365	Lime-----	35	975
Gray shale-----	20	385	Brown sand and clay-----	25	1000
Shale-----	47	432	Gray shale-----	10	1010
Gray shale-----	25	457	Brown shale, oil show-----	15	1055
Gray sticky shale-----	14	471	TOTAL DEPTH-----		1440(?)

Partial driller's log of well 703.

(Pine Grove Oil Co., Zoe A. Johnson No.1, S. Boon Survey,
2 1/2 miles northeast of La Rue.)

Surface sand-----	20	20	Hard shale-----	33	395
Water sand-----	30	50	Gumbo and boulders-----	15	410
Pack sand-----	30	80	Hard shale-----	25	435
Gumbo-----	20	100	Sandy shale-----	15	450
Sticky shale-----	34	134	Hard sand-----	15	465
Sand-----	19	153	Gumbo-----	15	480
Gumbo-----	10	163	Sandy shale-----	12	492
Sand-----	19	182	Lignite-----	10	502
Shale-----	10	192	Gumbo-----	10	512
Hard sand-----	15	207	Shale-----	21	533
Shale-----	20	227	Gumbo-----	20	553
Sand-----	10	237	Sticky shale-----	12	565
Shale-----	20	257	Gumbo-----	10	575
Gumbo-----	5	262	Lignite-----	28	603
Shale-----	5	267	Shale-----	11	614
Gumbo and boulders-----	21	288	Lignite-----	10	624
Sand rock-----	17	305	Shale-----	12	636
Sticky shale-----	3	308	Gumbo-----	11	647
Hard shale-----	16	324	Sand-----	10	657
Sandy shale-----	38	362	Gumbo-----	12	669

Table of Drillers' Logs--Continued

Partial driller's log of well 703--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Lignite-----	11	680	Gumbo-----	15	880
Shale-----	21	701	Sand and water-----	174	1054
Sand-----	14	715	Gumbo-----	5	1059
Coal-----	10	725	Sand-----	30	1089
Gumbo-----	10	735	Gumbo-----	5	1094
Shale-----	15	750	Water sand-----	37	1131
Coal-----	12	762	Hard sand-----	29	1160
Shale-----	21	783	Gumbo-----	10	1170
Gumbo-----	7	790	Sand-----	44	1214
Sand-----	10	800	Shale-----	28	1242
Gumbo-----	15	815	TOTAL DEPTH-----		2911
Shale-----	20	835			
Sand and water-----	30	865			

Partial driller's log of well 821.

(John R. Black, Darby Petroleum Corp., G. B. Meredith No.1, Wiley Kay Survey, 4 $\frac{1}{2}$ miles southeast of Malakoff.)

Surface clay-----	40	40	Hard sand-----	21	1180
Sand and gravel-----	30	70	Sticky shale-----	40	1220
Shale, streaks lignite-----	30	100	Gumbo-----	30	1250
Shale and shells-----	118	218	Shale-----	158	1408
Sand and streaks shale-----	177	395	Brittle shale-----	102	1510
Coal-----	?	395	Sticky shale-----	30	1540
Sand and shale streaks-----	51	446	Sandy shale and boulders--	70	1610
Shale-----	1	465	Sticky shale-----	72	1682
Soft shale-----	115	580	Lime-----	4	1686
Sand and shells-----	35	615	Shale-----	50	1736
Sandy shale-----	155	770	Light sandy shale-----	29	1765
Shale and sticky shale-----	82	852	Sandy shale-----	10	1775
Sticky shale-----	89	941	Soft shale-----	105	1880
Shale and shells-----	189	1130	Hard shell-----	1	1881
Packed sand-----	12	1142	Sticky shale-----	249	2140
Sand, shale, and shells---	17	1159	TOTAL DEPTH-----		4226

CASING RECORD: 216 feet of 12 $\frac{1}{2}$ inch casing.

Driller's log of well 919.

(Lone Star Gas Company, Trinidad Gasoline Co. No.2, N. Addison Survey, 1 mile south of Trinidad.)

Sand and red clay-----	10	10	Sandy shale-----	12	60
Quicksand-----	4	14	Water sand-----	7	67
Water, sand and gravel-----	16	30	Sandy shale-----	12	79
Blue shale-----	3	33	Water sand-----	14	93
Water sand-----	3	36	Sandy shale-----	107	200
Sandy shale-----	8	44	TOTAL DEPTH-----		200
Water sand-----	4	48			

CASING RECORD: 30 feet of 10 inch, 60 feet of 8 inch, and 198 feet of 6 inch casing.

Table of Drillers' Logs--Continued

Driller's log of well 921.

(Lone Star Gas Company, Trinidad Gasoline Co. No.1,
N. Addison Survey, one mile south of Trinidad.)

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Quicksand-----	30	30	Gray sandy shale-----	205	302
Sandy shale-----	3	33	Green and black shale-----	18	320
Water sand-----	6	39	Rock-----	2	322
Sandy shale-----	5	44	Sandy shale-----	30	352
Water sand-----	4	48	Light sandy shale-----	76	428
Sandy shale-----	27	75	Black sticky shale-----	22	450
Flint rock-----	1	76	TOTAL DEPTH-----		450
Water sand-----	21	97			

CASING RECORD: 29 feet of 10 inch, 60 feet of 8 inch, and 200 feet of 4 inch casing.

Partial driller's log of well 936.

(Roeser and Pendleton Inc., Trinity Farms No.1, Mary M.
Thompson Survey, $9\frac{1}{2}$ miles south of Malakoff)

No record-----	80	80	Fine gray sand, some blue clay-----	10	360
Sandy clay and lignite----	10	90	Brown silty clay-----	10	370
Clay and sand-----	10	100	Brownish gray clay-----	20	390
Lignite and brown shale----	10	110	Light fine gray sand-----	10	400
Brownish gray sand with water-----	10	120	Dark gray fine sand-----	10	410
Fine, gray loose sand-----	30	150	Dark brown silty clay-----	10	420
Brownish gray shale and clay-----	7	157	Light brownish gray silt--	10	430
Brown clay and sand-----	23	180	Light and dark streaky silty clay-----	10	440
Gray clay and sand-----	20	200	Light and dark streaky clay, no silt-----	10	450
Gray silty clay-----	20	220	Gray clay with light spots	10	460
Gray shale-----	10	230	Hard clay-----	10	470
Dark brownish clay and streaks of lignite-----	2	232	Hard gray clay-----	40	510
Brown silty clay, water	28	260	Gray clay-----	50	560
Dark brownish gray clay---	10	270	Gray clay and some sand---	10	570
Brownish gray fine clayey sand-----	30	300	Dark gray clay-----	10	580
Brown clay with greenish fine sand-----	10	310	Hard gray clay-----	140	720
Gray sandy clay-----	10	320	Black clay-----	120	840
Gray water sand with 2 inch flow at surface-----	30	350	TOTAL DEPTH-----		1320

Logs of test wells in Henderson County, Texas bored by W.P.A. labor.
 Samples examined and classified by W.M. Lyle, Project Superintendent.

Well 1

Located on Trinity River bottoms, 8 miles east of Aley

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Blue gumbo-----	2	2	Red, gray, and black variegated sticky sand-----	2	21
Blue gumbo and gravel----	3	5	Yellow and gray sand----	2	23
Yellow gumbo and gravel--	2	7	Blue water sand-----	1	24
Yellow gumbo-----	1	8	Yellow water sand-----	2	26
Buff shale-----	3	11	Yellow sand and gravel--	1	27
Brown shale-----	8	19			

Struck water at 26 feet.
 See table of water analyses.

Well 3

Located on Trinity River bottoms, on County line 9 $\frac{1}{2}$ miles northeast of Aley.

Black gumbo-----	8	8	Yellow and gray sand----	1	14
Brownish black gumbo containing small gravel----	3	11	Yellow and gray water sand containing gravel-----	1	15
Gray and brown clay containing gravel-----	2	13	Gray and yellow sand----	1	16
			Water at 15 feet.		

See table of Water analyses.

Well 22

Located 2 $\frac{1}{2}$ miles northeast of Aley.

Surface sand-----	2	2	Yellow sand-----	3	14
Yellow and red clay-----	2	4	Brown sand-----	4	18
Gray and yellow sand-----	3	7	No water		
Blackish gray sand-----	4	11			

Well 24

Located 2 miles northeast of Aley

Yellow surface sand-----	1	1	Gray and yellow water sand-----	2	9
Red clay-----	2	3	Brown water sand-----	1	10
Yellow clay containing iron concretions-----	3	6	Blue and brown sticky clay-----	2	12
Gray and yellow variegated sticky sand-----	1	7	Water at 9 feet. (See table of water analyses.)		

Well 27

Located 3 miles northeast of Aley

Buff shale, little gravel	3	3	Yellow and gray variegated clay-----	2	15
Yellow shale, little gravel	1	4	Red and yellow variegated clay-----	3	18
Gray and yellow shale----	3	7	Blue shale at bottom, no water.		
Yellow shale-----	3	10			
Red and yellow variegated clay-----	3	13			

Logs of W. P. A. test wells--Continued

Well 28

Located 3 miles northeast of Aley.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Surface sand-----	1	1	Yellow and gray variegated		
Brown sand and gravel----	3	4	sticky sand containing		
Yellow clay-----	3	7	gravel-----	4	12
Yellow clay containing			Rock at 12 feet.		
sand and gravel-----	1	8	No water.		

Well 29

Located 2-3/4 miles northeast of Aley.

Surface sand-----	1	1	White and gray sticky sand		
Brown and red sticky sand	1	2	containing gravel-----	5	9
Variegated sticky sand			Yellow water sand-----	4	13
containing small gravel-	1	3	Water at 7 feet.		
Gray and yellow sticky			See table of Water Analyses.		
sand-----	1	4			

Well 49

Located 2 1/2 miles southwest of Aley.

Black gumbo-----	6	6	Water at 17 feet.		
Brown sandy shale con-					
taining gravel-----	12	18			

Well 62

Located 2 1/2 miles south of Aley.

Black surface soil-----	3	3	Gray water sand-----	2	15
Grayish brown sticky sand	1	4	Blue clay-----	1	16
Gray and yellow sticky sand	9	13	Water at 13 feet. [See table of water		
			analyses.]		

Well 64

Located 2 1/2 miles south of Aley

Brown sand-----	5	5	Light yellow sand-----	6	14
Yellow coarse sand-----	3	8	No water.		

Well 69

Located 5 miles south of Aley.

Black gumbo-----	3	3	Brown sand containing		
Black gumbo containing			gravel-----	3	17
gravel-----	3	6	No water.		
Brown shale containing					
small gravel-----	8	14			

Logs of W. P. A. test wells--Continued

Well 70

Located 5 $\frac{1}{2}$ miles southeast of Aley.

Thickness		Depth		Thickness		Depth	
(feet)		(feet)		(feet)		(feet)	
Sticky black sand-----	3	3		Gray and brown clay contain-			
Sticky gray sand-----	2	5		ing gravel-----	1	12	
Gray and yellow sticky				Yellow and gray sand-----	4	16	
sand-----	3	8		Yellow sand-----	4	20	
Gray and yellow sand con-				Gray sticky sand-----	2	22	
taining gravel-----	2	10		Water at 18 feet.			
Gray and yellow variegated				See table of water analyses.			
sand containing small							
gravel-----	1	11					

Well 104

Located 4-1/4 miles northwest of Eustace.

Surface soil-----	3	3		Gray shale-----	2	10	
Brown and yellow sticky				Gray and red shale-----	1	11	
sand-----	1	4		Iron concretions at 11 feet			
Sticky yellow sand-----	1	5		No water.			
Gray and yellow shale---	3	8					

Well 106

Located 4 miles northwest of Eustace.

Brown surface sand-----	2	2		Sticky yellow sand-----	2	7	
Gray and red mottled clay				Gray water sand-----	2	9	
and sand-----	1	3		Water at 7 feet.			
Clay and sand-----	2	5		See table of water analyses.			

Well 110

Located 3 miles northwest of Eustace.

Grayish red clay-----	2	2		White sand-----	1	10	
Grayish yellow sand-----	1	3		White and yellow sand-----	1	11	
Gray and white sand-----	1	4		Yellow sand-----	1	12	
Yellow and red sand-----	2	6		Blue shale-----	1	13	
Yellow and white sand-----	2	8		Pottery clay-----	1	14	
Yellow sand-----	1	9		No water.			

Well 112

Located 1-1/4 miles northwest of Eustace.

Brown soil and sand-----	1	1		Coarse sticky yellow sand			
Whitish yellow sand-----	4	5		containing gravel-----	1	11	
White and yellow sand-----	1	6		Coarse gray water sand---	2	13	
Red and gray sand-----	2	8		Water at 7 feet.			
Bluish gray and yellow							
sand-----	2	10					

Logs of W. P. A. test wells--Continued

Well 113

Located 1-1/4 miles northwest of Eustace,

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Red sand-----	10	10	White water sand-----	2	23
Red sandy shale-----	6	16	Red sand-----	2	25
Brown sandy shale-----	1	17	Brown shale and sand-----	3	28
Brown sandy shale-----	3	20	Rock at 28 feet.		
Red sandy shale-----	1	21	Water at 23 feet.		

Well 114

Located 1-1/4 miles northwest of Eustace.

Surface sand-----	1	1	Yellow and white sand-----	1	19
Red and yellow clay-----	13	14	Fine yellow sand-----	1	20
Red and gray clay-----	1	15	Buff and gray clay-----	1	21
Buff shale-----	1	16	Yellow and white shale-----	4	25
Buff and white shale-----	1	17	White chink. clay-----	2	27
Yellow sand-----	1	18	Water at 20 feet. (See table of water analyses.)		

Well 115

Located 1-1/4 miles northwest of Eustace.

Brown surface sand-----	1	1	Coarse yellow and white sand-----	1	7
Light brown sand-----	1	2	Course yellow sand contain-		
Yellow and brown sand-----	1	3	ing small flakes of bio-		
Red clay-----	1	4	tite-----	1	8
Red and gray clay-----	1	5	Coarse brown, yellow, and		
Coarse gray sand and red clay-----	1	6	gray sand-----	2	10
			Water at 8 feet.		

Well 117

Located 3/4 mile northwest of Eustace.

Buff sticky shale-----	6	6	Gray and yellow sticky sand-----	2	16
Sandstone with iron concretions-----	3	9	Blue and yellow sticky shale-----	7	23
Brown surface sand-----	1	10	Water at 16 feet.		
Black surface soil-----	2	12	See table of water analyses.		
Brown and gray sticky sand	2	14			

Well 125

Located 5-1/4 miles west of Eustace.

Brown surface sand-----	3	3	Gray sticky shale-----	10	16
Brown sticky sand-----	3	6	No water.		

Well 127

Located 5-1/4 miles northwest of Eustace.

Red and yellow clay-----	2	2	Brown water sand-----	2	6
Coarse brown and yellow sand-----	2	4	Water at 5 feet.		

Logs of T. P. A. test wells--Continued

Well 130

Located 7 miles west of Eustace,

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sticky surface soil-----	4	4	Yellow and gray sand contain-		
Brown sand-----	3	7	ing small gravel-----	2	16
Gray and brown sand-----	4	11	Black, gray, and yellow,		
Brown sand-----	1	12	streaked , sticky clay con-		
Gray and yellow sticky			taining iron concretions--	2	18
sand-----	1	13	Water at 14 feet		
Yellow water sand-----	1	14	See table of water analyses,		

Well 131

Located 8 miles west of Eustace,

Surface sand-----	1	1	Gray shale-----	2	20
Dark shale-----	1	2	Gray and yellow shale-----	3	23
Gray sandy shale-----	2	4	Gray shale-----	1	24
Clay and little sand-----	1	5	Yellow and gray shale-----	1	25
Mottled clay, little sand	1	6	Yellow sand-----	1	26
Yellow sand-----	3	9	Yellow and gray sand-----	1	27
White sand-----	2	11	Yellow sand-----	1	28
White and yellow sand-----	2	13	Gray shale, little sand---	1	29
White sand-----	1	14	Yellow sand-----	3	31
White and yellow sand and			Gray and yellow shale with		
shale-----	1	15	little sand-----	1	32
Iron concretions-----	1	16	White clay and sand-----	2	34
Gray shale, little sand--	1	17	No water,		
Yellow shale-----	1	18			

Well 132

Located 8 $\frac{1}{2}$ miles west of Eustace,

Black gumbo-----	12	12	Sticky bluish gray and		
Bluish gray sticky clay---	4	16	brown shale-----	4	22
Bluish gray sticky clay--	2	18	Water at 21 feet See table of water		
			analyses.		

Well 150

Located 5 miles south of Eustace,

Red clay-----	1	1	Brown and gray sandy shale	2	7
Red and gray clay-----	2	3	Lignite-----	1	8
Yellow and gray clay-----	2	5	Water at 7 feet See table of water		
			analyses.		

Well 151

Located 5 miles south of Eustace,

Surface sand-----	0	2	Brown sand with black iron		
Brown water sand-----	2	4	stain-----	2	7
Gray sand-----	1	5	No water,		

Logs of W. P. A. test wells--Continued

Well 157

Located $8\frac{1}{2}$ miles southwest of Eustace.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Surface soil-----	1	1	Red and white coarse sand--	2	34
Red shale-----	20	21	Coarse white sand-----	1	35
Yellow sand-----	4	25	Brown and yellow sand-----	1	36
Gray and red clay-----	4	29	Brown shale and white sand-	1	37
Gray and brown sand-----	1	30	Dry buff shale-----	3	40
White and brown sand-----	1	31	No water.		
White sticky clay-----	1	32			

Well 168

Located $8\frac{1}{2}$ miles southwest of Eustace.

Black gumbo-----	4	4	Bluish gray clay and sand-	3	17
Buff gumbo and sand-----	3	7	Blue clay and sand-----	1	18
Brown gumbo-----	4	11	Sand and gravel-----	1	19
Yellow clay and sand-----	3	14	Water at 16 feet.		
			See table of water analyses.		

Well 169

Located 8 miles southwest of Eustace.

Gray sand-----	1	1	Blue and buff sticky shale		
Gray and yellow sand-----	1	2	and sand-----	3	8
Brown sand-----	1	3	Gray sticky sand-----	4	12
Variegated brown, yellow,			Water at 5 feet.		
and white, sand-----	2	5	See table of water analyses.		

Well 175

Located $10\frac{1}{2}$ miles southwest of Eustace.

Black gumbo-----	4	4	Yellow sticky clay-----	2	18
Bluish gray, sandy shale	5	9	Yellow sand-----	6	24
Buff shale containing			Yellow water sand-----	1	25
limestone concretions---	4	13	Water at 7 feet.		
Brown sticky shale-----	3	16	See table of water analyses.		

Well 176

Located $10\frac{1}{2}$ miles south. west of Eustace.

Gray and yellow sticky			Yellow and gray variegated		
clay-----	1	1	shale containing lime		
Bluish gray clay-----	1	2	concretions-----	2	11
Blue gumbo-----	1	3	Yellow and white sand-----	4	15
Gray gumbo-----	1	4	Yellow clay-----	1	16
Yellow Clay-----	2	6	Gray sand-----	1	17
Buff shale containing			Yellow and gray sticky sand		
lime concretions-----	2	8	containing calcite and		
Yellow and gray variegated			fossils-----	3	20
shale-----	1	9	Gray water sand containing		
			gravel and shale-----	3	23
			Water at 20 feet.		

Logs of W. P. A. test wells--Continued

Well 178

Located 11 miles southwest of Eustace.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Surface sand-----	1	1	Yellow, coarse, clean, glass		
Yellow sand-----	2	3	sand-----	8	14
Red, gray, and black shale	1	4	Light yellow sand, clean		
Yellow and gray clay-----	1	5	glass sand-----	2	16
Gray sand-----	1	6	Water at 15 feet.		

Well 179

Located 11 miles southwest of Eustace.

Yellow surface soil-----	1	1	Gray and yellow clay-----	3	8
Red and yellow clay-----	2	3	Yellow clay-----	2	10
Yellow and gray clay con- taining iron concretions	2	5	Gray and brown shale-----	2	12
			No water.		

Well 216

Located 11½ miles northwest of Athens.

Surface sand-----	1	1	Sand and gravel-----	1	8
Sticky yellow sand-----	2	3	Blue clay and fine gravel-	1	9
Yellow clay and sand-----	1	4	Variegated clay-----	1	10
Sticky buff sand-----	2	6	Sticky blue sand-----	2	12
Yellow clay and fine gravel-----	1	7	Water at 12 feet.		
			See table of water analyses		

Well 221

Located 9½ miles northwest of Athens.

Surface soil-----	1	1	Yellow and gray shale-----	1	22
Buff shale-----	5	6	Brown water sand-----	1	23
Gray shale containing small iron concretions--	10	17	Fine white water sand-----	5	28
Brownish blue shale-----	4	21	Dark gray sticky sand-----	2	30
			Water level 1½ feet.		

Well 222

Located 9 miles northwest of Athens.

Yellow surface soil-----	1	1	Bluish gray sand -----	6	8
Brown sand-----	1	2	Water level 1 foot below ground level.		

Well 223

Located 9½ miles northwest of Athens.

Surface sand-----	2	2	Lignite-----	1	12
White sand-----	4	6	Water at 12 feet.		
Buff shale-----	3	9	See table of water analyses.		
Sand-----	2	11			

For log of well 238 see page 89.

Logs of W. P. A. test wells-- Continued

Well 241

Located 6 miles northwest of Athens.

Thickness Depth		Thickness Depth			
(feet)	(feet)	(feet)	(feet)		
Surface sand-----	2	2	Gray and yellow sand-----	1	12
Gray sand and red clay---	2	4	Gray, brown, and yellow, varie-		
Blue shale-----	4	8	gated sand-----	1	13
Blue shale containing			Gray and black and varie-		
brown sand-----	2	10	gated sand-----	1	14
Blue and brown shale with			Black lignite-----	1	15
streaks of alkali-----	1	11	Water at 13 feet.		

Well 244

Located 7-1/4 miles northwest of Athens.

Brown surface soil-----	2	2	Gray sticky sand-----	1	9
Yellow sand-----	1	3	Blue and brown shale-----	4	13
Gray and black sand-----	1	4	Gray sticky sand-----	2	15
Mottled yellow and gray			Gray and yellow sticky		
sticky sand containing			sand-----	2	17
iron concretions-----	1	5	Gray sand-----	1	18
Yellow and gray sticky sand	2	7	Gray and yellow sticky		
Lignite -----	1/2	7 1/2	sand-----	1	19
Yellow and gray sticky			Water at 7 feet.		
sand-----	1/2	8			

Well 248

Located 8 miles northwest of Athens.

Surface sand-----	5	5	Blue water sand-----	1	12
Yellow and gray sand-----	1	6	Red and yellow sand-----	1	13
Red and gray sand-----	1	7	Yellow sand-----	2	15
Yellow and gray sand-----	3	10	Water level 8 feet below		
Yellow sand-----	1	11	surface.		

Well 252

Located 8-3/4 miles northwest of Athens.

Surface sand-----	2	2	Brown sand-----	1	52
White shale-----	10	12	Gray and brown sticky sand	1	53
Red and yellow clay-----	10	22	Gray sticky sand-----	1	54
Red sandy clay-----	12	34	Black and brown gumbo----	3	57
White and red sandy clay-	8	42	Gray sticky sand-----	5	62
Red clay-----	8	50	Water at 57 feet.		
Yellow sand-----	1	51			

Well 253

Located 8-3/4 miles northwest of Athens.

Surface sand-----	1	1	White sand and red clay---	1	5
Red clay-----	2	3	Yellow sand-----	1	6
Yellow and red clay-----	1	4	White sand-----	1	7

Continued on next page.

Logs of V. P. A. test wells -- Continued

Well 253-continued

Located 8-3/4 miles northwest of Athens.

Thickness		Depth		Thickness		Depth	
(feet)		(feet)		(feet)		(feet)	
Yellow sand-----	1	8	Coarse sticky red sand----	1	21		
White and red sand-----	3	11	White sand-----	2	23		
White sand-----	4	15	Yellow sticky sand-----	1	24		
White and yellow sand----	2	17	Yellow water sand-----	2	26		
White sand-----	3	20	Water at 24 feet.				

Well 255

Located 8-3/4 miles northwest of Athens.

Surface sand-----	1	1	Buff sand-----	3	8
Sticky gray sand-----	2	3	Quicksand-----	3	11
Black and gray sand-----	2	5			

Well 262

Located 6 1/2 miles west of Athens.

Black sand-----	2	2	Yellow sand-----	1	13
Yellow clay-----	1	3	Blue sand containing mica-	1	14
Red and gray clay-----	1	4	Gray and brown sand-----	1	15
Bluish gray and yellow sticky sand-----	2	6	Gray and yellow sand con-	2	17
Yellow sand-----	1	7	taining mica-----	2	19
Yellow and blue water sand-----	1	8	Blue sand containing mica-	2	21
Blue sticky sand-----	1	9	Brown and gray sand-----	2	24
Yellow and gray sand-----	1	10	Gray water sand-----	3	26
Brown and gray clay and sand-----	2	12	Yellow water sand-----	2	29
			Gray water sand-----	3	29
			Water at 7 feet.		
			Large artesian flow at 52 feet.		

Well 264

Located 5-3/4 miles west of Athens.

Yellow coarse sand-----	1	1	Blue and yellow water sand	1	12
Blue and brown sticky sand	1	2	Brown and blue fine sand--	4	16
Bluish gray sticky sand---	1	3	Gray sticky sand-----	3	19
Blue and brown fine sand--	2	5	Yellow and gray water sand	3	22
Gray water sand-----	1	6	Gray sand-----	8	30
Brown and gray sticky sand	1	7	Lignite-----	1	31
Gray sticky sand-----	2	9	Hard gray sticky sand-----	1	32
Blue sticky sand-----	2	11	Water at 6 feet.		

Well 269

Located 3 miles northwest of Athens.

Surface sand-----	1	1	Yellow clay-----	1	11
Brown sand-----	1	2	Sticky gumbo and clay-----	2	13
Black sand-----	1	3	Brown sand and clay-----	7	20
Brown sand-----	2	5	Clay-----	1	21
Gray sand-----	1	6	Water sand-----	3	24
Coarse sand and clay-----	1	7	Water at 3 1/2 feet and 21 feet.		
Gray sticky sand and clay	3	10	See table of water analyses.		

Logs of W. P. A. test wells--Continued

Well 272

Located 1½ miles west of Athens.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Surface sand-----	6	6	Yellow and gray sand-----	1	33
Yellow clay-----	15	21	White sand-----	1	34
Pottery clay-----	5	26	White coarse sand-----	1	35
Yellow clay-----	1	27	White water sand-----	2	37
Yellow clay-----	1	28	Pottery clay-----	1	38
Pottery clay-----	1	29	Orange sand-----	1	39
Gray sticky sand-----	1	30	Water sand-----	3	42
Yellow and gray sand-----	1	31	Water at 3 feet and 31 feet.		
Yellow clay-----	1	32	See table of water analyses.		

Well 281

Located 1-1/4 miles east of Athens.

Surface soil-----	1	1	Yellow and white fine sticky		
Yellow sand and clay-----	3	4	sand-----	6	12
Red and yellow clay-----	1	5	Water at 4 feet.		
White and red sticky sand	1	6	See table of water analyses.		

Well 282

Located one mile east of Athens.

Yellow clay-----	1	1	Yellow and white builders		
Red clay containing iron			clay-----	1	10
concretions-----	5	6	Red and yellow sandy clay	2	12
Red, yellow and white			Yellow and white clay----	2	14
clay-----	1	7	White pottery clay-----	7	21
Yellow and white sandy			Water at 13 feet,		
clay-----	2	9	See table of water analyses.		

Well 283

Located 1-1/4 miles east of Athens.

Brown surface soil-----	1	1	Light yellow and white		
Yellow sand-----	4	5	builders clay-----	4	10
Yellow and gray clay-----	1	6	Water at 3 feet.		
			See table of water analyses.		

Well 284

Located one mile east of Athens.

Red sandstone-----	1	1	Yellow sand-----	2	7
Red clay containing iron			Grayish brown sticky sand		
concretions-----	2	3	and gravel-----	4	11
Fine sticky red, gray, and			Water at 5 feet.		
yellow sand-----	2	5	See table of water analyses.		

Logs of W. P. A. test wells--Continued

Well 288

Located 1/4 mile east of Athens.

Thickness Depth		Thickness Depth			
(feet)	(feet)	(feet)	(feet)		
Surface sand-----	1	1	Red and gray clay-----	3	41
Yellow sand and clay-----	2	3	Blue shale-----	2	43
Variiegated clay-----	8	11	Water at 43 feet.		
Brick clay-----	25	36	See table of water analyses.		
Lignite-----	2	38			

Well 295

Located 1-1/4 miles west of Athens.

Gray surface sand-----	3	3	Yellow clay-----	1	23
Red clay-----	5	8	Gray clay-----	2	25
Pottery clay-----	13	21	Water level 2 feet below surface.		
Yellow and gray clay-----	1	22			

Well 297

Located one mile southwest of Athens.

Brown sandy clay-----	3	3	Pink clay and sand-----		16
Yellow sandy clay-----	4	7	Well incomplete.		
Pottery clay-----	8	15	No water.		
Yellow and white clay and sand-----	1	16			

Well 299

Located 1 1/2 miles southwest of Athens.

Surface sand-----	4	4	Water at 4 1/2 feet.		
Yellow water sand-----	3	7	See table of water analyses.		
White sand-----	6	13			

Well 301

Located 2 miles west of Athens.

Exposed in sand pit to 6 feet.			Sticky yellow sand, varie-		
Surface soil, sandy-----	2	2	gated-----	4	23
Yellow sand containing red iron concretions-----	4	6	Yellow sand-----	1	24
Yellowish red sand-----	7	13	Yellow and white sand-----	2	26
Sticky red sand-----	6	19	Yellow sand-----	1	27
			White water sand-----	2	29
			See table of water analyses.		

Well 303

Located 2 1/2 miles west of Athens.

Surface sand-----	3	3	Well incomplete.		
Yellow gray sand-----	1	4	No water.		

Logs of W. P. A. test wells--Continued

Well 304

Located 2-5/4 miles west of Athens.

Thickness Depth		Thickness Depth	
(feet)	(feet)	(feet)	(feet)
Gray sand with red clay--	1	White and red water sand--	1
Brown water sand-----	3	White and yellow water	11
Water sand, blue-----	4	sand-----	2
Blue and yellow water		Brown water sand-----	13
sand-----	1	Water at 3 feet.	13 1/2
Water sand-----	1	See table of water analyses.	
	10		

Well 312

Located 3 1/2 miles west of Athens.

Brown soil, sand-----	1	Dry, grayish buff shale----	2
Sticky yellow and gray		Dry gray shale-----	1
sand-----	4	Well incomplete--no water.	8
	1		
	5		

Well 315

Located 3 1/2 miles west of Athens.

Brown and white sand-----	1	Yellow and gray water sand	1
Yellow and gray sticky		Water level 2 feet below surface	4
sand-----	1	See table of water analyses.	
Sticky gray and red clay--	1		
	3		

Well 317

Located 4-1/4 miles west of Athens.

Yellow sand-----	1	Brown and white water sand	1
Gray and yellow mottled		Gray water sand-----	2
sand-----	4	Yellow water sand-----	2
Bluish gray and brown sand	1	Gray and yellow sticky sand	1
Blue and brown sand-----	2	Gray and red sand-----	1
Brown and white sand-----	2	Yellow and gray sand-----	2
Blue and yellow sand-----	1	Water level 8 feet below surface.	20
	11		

Well 322

Located 5 1/2 miles west of Athens.

Brown surface sand-----	1	White sand containing yellow	
Light surface sand-----	1	streaks-----	1
Red clay-----	1	Brown and white sand-----	2
Red and yellow clay-----	1	Yellow and gray sand-----	3
Yellow clay-----	2	Blue and yellow dry sand--	1
Dry gray and yellow shale	1	Yellow and gray dry sand--	1
Yellow and gray clay-----	1	Well incomplete - no water.	16
	8		

Logs of W. P. A. test wells--Continued

Well 324

Located 6-1/4 miles west of Athens,

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Surface soil-----	1	1	Brown and yellow water sand	1	20
Red and gray mottled clay	6	7	Gray water sand-----	1	21
Yellow sand-----	2	9	Yellow sand-----	1	22
Mixed yellow and red sand	1	10	Redish sand-----	1	23
Light yellow sand-----	1	11	Gray sand-----	1	24
Yellow sand-----	3	14	Water level 8 feet below		
Gray sand-----	4	18	surface,		
Brown water sand-----	1	19			

Well 416

Located 4 miles northeast of Murchison,

Bluish gray sticky sand--	9	9	Red and blue sticky sand--	1	12
Blue and yellow sticky sand-----	2	11	Yellow quick sand-----	4	16
			Water at 4 feet.		

Well 419

Located 5 1/2 miles northeast of Murchison,

Gray sticky sand-----	1	1	Gray sticky sand-----	2	8
Gray and brown sand-----	1	2	Blue quick sand-----	2	10
Gray and brown sticky sand-----	4	6	White quick sand-----	2	12
			Water at 6 feet.		

Well 420

Located 5 1/2 miles northeast of Murchison.

Gray sticky sand-----	1	1	Gray sticky sand-----	2	8
Gray and brown sand-----	1	2	Blue sand-----	4	12
Gray and brown sticky sand	4	6	Water at 2 feet.		

Well 422

Located 5 1/2 miles southeast of Murchison,

Surface sand-----	4	4	Gray and yellow sand-----	3	12
Red clay with gravel-----	2	6	Quicksand-----	2	14
Gray sand-----	3	9			

Well 503

Located 1 1/2 miles northeast of Chandler,

Surface sand-----	4	4	Gray water sand-----	4	12
Yellow and gray water sand-----	4	8	Water at 4 feet.		
			See table of water analyses.		

Logs of W. P. A. test wells--Continued

Well 519

$3\frac{1}{4}$ miles west of Chandler.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Surface sand-----	2	2	Gray and yellow clay-----	1	16
Yellow sand-----	6	8	Brown clay-----	1	17
Brown sand-----	4	12	Gray water sand-----	1	18
Brown and yellow sand-----	2	14	Water at 7 feet.		
Yellow and gray sand-----	1	15	See table of water analyses.		

Well 521

$3\frac{3}{4}$ miles southwest of Chandler.

Yellow surface sand-----	1	1	Gray and red clay containing		
Red and gray clay-----	3	4	iron concretions-----	2	6
			Hard rock. No water.		

Well 522

3 miles southwest of Chandler.

Brown surface sand-----	1	1	Gray clay-----	1	20
Red and yellow clay-----	7	8	Mottled clay-----	1	21
Gray shale-----	3	11	Gray and red shale-----	1	22
Blue shale-----	2	13	Gray shale and sand-----	2	24
Brown sand-----	2	15	Gray and yellow shale and		
Yellow sand-----	1	16	sand-----	2	26
Mottled clay and sand-----	2	18	White water sand-----	$1\frac{1}{2}$	$27\frac{1}{2}$
Gray and yellow clay-----	1	19	See table of water analyses.		

Well 525

$1\frac{1}{2}$ miles west of Chandler.

Yellow surface sand-----	5	5	Water sand-----	3	11
Gray and yellow sand-----	3	8	Water was not analyzed.		

Well 526

$1\frac{1}{4}$ miles west of Chandler.

Surface sand-----	2	2	Gray and yellow sticky sand	4	19
Red clay-----	3	5	Bluish gray sand-----	1	20
Red and yellow clay-----	1	6	Gray sandy shale-----	1	21
Gray and yellow clay-----	3	9	Blue water sand-----	2	23
Sand-----	1	10	Blue sandy shale-----	2	25
Red clay-----	2	12	See table of water analyses.		
Red and yellow clay-----	3	15			

Well 529

In Chandler.

Surface sand-----	1	1	Gray and yellow clay-----	3	10
Brownish yellow sand-----	1	2	Gray and brown clay-----	2	12
Brown and yellow sand-----	1	3	Yellow sand-----	1	13
Gray and yellow sand-----	1	4	See table of water analyses.		
Yellow sand-----	3	7			

Well 531

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

Brown surface soil-----	2	2	Gray and yellow sand-----	3	7
Gray sand-----	1	3	Gray water sand-----	3	10
Yellow sand-----	1	4	See table of water analyses.		

Logs of W. P. A. test wells--Continued

Well 548

6 miles southwest of Chandler,

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Surface sand-----	1	1	Gray pack sand-----	1	9
Coarse yellow sand-----	1	2	Gray and blue sticky sand--	2	11
Yellow and gray sand-----	2	4	White sticky sand-----	1	12
Black and gray sand-----	4	8	Water at 4 feet. Water was not analyzed.		

Well 551

5 miles southwest of Chandler,

Yellow sand-----	2	2	Gray and yellow sand-----	3	12
Yellow and red clay-----	1	3	Gray sand-----	1	13
Gray and red clay-----	2	5	Yellow sand-----	1	14
Yellow and gray clay-----	3	8	Gray and yellow clay-----	1	15
Gray sand-----	1	9	Water at 12 feet. Water was not analyzed.		

Well 553

5 miles southwest of Chandler,

Surface sand-----	3	3	Yellow water sand-----	2	14
Red and gray clay-----	2	5	Water at 9 feet.		
Yellow and gray clay-----	3	8	See table of water analyses.		
Yellow and gray sandy clay--	4	12			

Well 555

4½ miles south of Chandler,

Surface sand-----	2	2	Gray water sand-----	6	12
Yellow and gray sand-----	1	3	Water at 9 feet.		
Yellow and gray sticky clay--	3	6	See table of water analyses.		

Well 557

4 miles south of Chandler,

White sand-----	2	2	Yellow and white sand-----	1	10
Yellow and gray sand-----	4	6	Gray and yellow quicksand--	2	12
White sand-----	1	7	Water at 8 feet. Water was not analyzed.		
Yellow sand-----	1	8			
Gray sand-----	1	9			

Well 559

6 miles south of Chandler,

Surface sand-----	1	1	Gray water sand-----	2	12
Yellow sand-----	1	2	Black coarse sand-----	2	14
Yellow and gray sand-----	2	4	Gray quicksand-----	2	16
Gray and yellow clay-----	3	7	Water at 15 feet.		
Brown clay-----	2	9	See table of Water analyses.		
Sticky gray sand-----	1	10			

Well 564

7¾ miles southwest of Chandler,

White sand-----	5	5	White sand-----	3	38
Red and white shale-----	5	10	Dark gray sand-----	1	39
Red and yellow sand-----	13	23	White sand-----	3	42
Orange sand-----	12	35	Gray and yellow clay-----	2	44

Continued on next page.

Logs of W. P. A. test wells--Continued

Well 564--Continued

Thickness		Depth		Thickness		Depth	
(feet)		(feet)		(feet)		(feet)	
Red and gray clay-----	3	47		Pink and yellow sand-----	1	53	
Red and white sand-----	1	48		Brown sand-----	1	54	
Gray sticky sand-----	1	49		Yellow sand-----	1	55	
Yellow and white sand-----	1	50		White and yellow sand-----	2	57	
Red, yellow, and gray sand-----	1	51		Struck water at 57 feet.			
Yellow and white sand-----	1	52					

Well 603

9 miles northeast of Poyner,

Surface sand-----	1	1		Yellow and brown sticky			
Brown and gray sand-----	1	2		sand-----	1	16	
Gray and yellow sticky clay--	6	8		Yellow coarse sand-----	2	18	
Blue and brown sticky sand--	6	14		White water sand-----	1	19	
Brown sticky sand with iron				Black quicksand-----	3	22	
concretions-----	1	15		Water at 5 feet.			
				See table of water analyses			

Well 605

8 $\frac{1}{2}$ miles northeast of Poyner,

White sand-----	5	5		White sand-----	2	18	
Red and gray clay-----	4	9		Gray and yellow streaked			
Gray shale-----	6	15		sand containing mica-----	4	22	
Yellow sand-----	1	16		No water.			

Well 625

In Poyner,

Yellow sand-----	1	1		Yellow and red clay-----	1	12	
Brown sticky sand-----	1	2		Yellow and white sand-----	2	14	
Black and brown sticky sand--	1	3		Gray water sand-----	1	15	
Gray and brown sand-----	1	4		Yellow sand-----	1	16	
Yellowish brown sticky sand--	1	5		White water sand-----	4	20	
Gray and yellow sticky sand				Water at 5 $\frac{1}{2}$ feet. Water flowed at			
containing iron concretions	5	10		surface when well was completed.			
Yellow sticky sand-----	1	11		See table of water analyses.			

Well 705

3 $\frac{1}{2}$ miles north of La Rue,

Surface sand-----	1	1		Yellow and gray sand-----	3	15	
White sand-----	2	3		Gray sand-----	1	16	
White sand and yellow clay--	4	7		White and yellow sand-----	1	17	
Yellow and gray water sand--	2	9		White coarse sand-----	3	20	
White water sand-----	1	10		Water at 9 feet.			
Yellow and gray clay-----	2	12		See table of water analyses.			

Well 708

5 $\frac{1}{4}$ miles northwest of La Rue,

White sand-----	10	10		Brown and yellow clay-----	3	49	
Yellow clay-----	5	15		Yellow and red shale-----	1	50	
Red variegated clay-----	30	45		Sandstone-----		50	
Yellow clay-----	1	46		No water.			

Logs of W. P. A. test wells--Continued

Well 709

5 1/2 miles northwest of La Rue.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Brown sticky sand-----	1	1	Yellow and gray shale-----	2	5
White sand-----	1	2	Sandstone-----		5
Gray sticky sand-----	1	3	No water.		

Well 713

7 1/4 miles northwest of La Rue.

Surface sand-----	2	2	Iron concretions-----	1	20
Iron concretions-----	1	3	Variegated sand-----	2	22
Red sand-----	4	7	Iron concretions-----	1	23
Iron concretions-----	1	8	Red clay-----	10	33
White sand-----	1	9	Brown sand-----	2	35
Yellow and white sand-----	6	15	Yellow sand-----	1	36
Iron rock-----	1	16	White quicksand-----	3	39
Gray sand with mica-----	2	18	Yellow and white sand-----	1	40
Iron rock-----	1 1/2	18 1/2	Red sand and iron rock-----	1	41
Yellow sand-----	1/2	19	No water.		

Well 714

6 3/8 miles west of La Rue.

Surface sand-----	1	1	Gray and yellow clay-----	1	12
Yellow coarse sand-----	1	2	Yellow and gray sand-----	3	15
Yellow clay-----	2	4	Gray and yellow clay-----	1	16
Red and gray clay-----	3	7	Pottary clay (soapstone)-----	4	20
Yellow and gray clay-----	1	8	See table of water analyses.		
Red and white clay-----	3	11			

Well 720

2 1/2 miles west of La Rue.

Surface sand-----	1	1	Coarse yellow sand-----	1	5
Yellow clay and sand-----	1	2	Coarse water sand-----	6	11
Yellow and brown sand-----	1	3	White coarse sand-----	1	12
Brown and gray sticky sand--	1	4	Water at 5 1/2 feet.		
			See table of water analyses.		

Well 725

3/4 mile southwest of La Rue.

Surface sand-----	1	1	Yellow and gray shale and		
Red and brown sticky sand--	1	2	limestone-----	1	13
Yellow and gray sand-----	1	3	Yellow and gray clay-----	1	14
Gray sand and clay-----	1	4	Coarse sand and clay-----	1	15
Orange and gray sand-----	1	5	Sticky gumbo and sand-----	3	18
Yellow sand-----	1	6	Brown sticky sand with a		
Yellow clay-----	1	7	little clay-----	2	20
Yellow and gray streaky clay	5	12	Black and brown sticky		
			shale-----	2	22
			Water at 12 feet. Water was not analyzed.		

Well 731

7 1/2 miles southwest of La Rue.

Surface soil-----	1	1	Brown and gray sand-----	1	20
White sand-----	4	5	White sand-----	1	21
Red clay-----	8	13	Brown sand-----	1	22
Red and yellow clay-----	6	19	Brown and yellow sand-----	1	23

Continued on next page.

Logs of W. P. A. test wells--Continued

Well 731--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Yellow and gray clay-----	4	27	White sand-----	1	31
Yellow sand-----	1	28	See table of water analyses.		
Gray water sand-----	2	30			

Well 738

2 miles southeast of La Rue.

Surface sand-----	1	1	Gray quicksand-----	4	10
Gray and yellow sticky sand--	3	4	Water was not analyzed.		
Gray sticky sand-----	2	6			

Well 739

2 miles southwest of La Rue.

Surface sand-----	2	2	Yellow and white sand-----	2	8
Blue and gray sticky sand--	1	3	White sand-----	1	9
Gray and yellow sand-----	1	4	White variegated sand-----	3	12
Gray coarse sand-----	1	5	Quicksand-----		12
Yellow water sand-----	1	6	Water was not analyzed.		

Well 746

7 $\frac{1}{2}$ miles southwest of La Rue.

Surface soil-----	2	2	Gray sand-----	1	14
Red and yellow sand-----	4	6	White sand-----	3	17
Gray and yellow sand-----	2	8	Yellow and white sand-----	4	21
Yellow sand-----	1	9	White sand-----	6	27
Yellow and gray sticky sand--	2	11	White and yellow sand-----	3	30
Red clay and sand-----	1	12	See table of water analyses.		
Gray and yellow sandy shale--	1	13			

Well 747

8 miles southwest of La Rue.

Surface soil-----	1	1	Gray hard sand-----	2	13
Yellow coarse sand-----	6	7	Blue sand-----	1	14
Gray and yellow sand-----	1	8	Gray and yellow water sand	1	15
Red and yellow clay-----	1	9	Red and white sand-----	1	16
Yellow coarse sand-----	1	10	Rock-----		16
Gray and yellow sand-----	1	11	See table of water analyses.		

Well 748

8 miles southwest of La Rue.

Surface soil-----	1	1	Brown sand-----	2	18
Gray and yellow clay-----	1	2	Red sand-----	3	21
Red clay-----	6	8	Light red sand-----	4	25
Red and yellow clay-----	3	11	Red and white sand-----	2	27
White and red sand containing iron concretions-----	2	13	White sand-----	1	28
Red clay and yellow sand-----	3	16	Iron rock-----		28
			No water.		

Well 749

8 $\frac{1}{2}$ miles southwest of La Rue.

Surface soil-----	1	1	Blue and yellow sand-----	1	8
Yellow sand-----	3	4	Water was not analyzed.		
Gray and yellow clay-----	3	7			

Logs of W. P. A. test wells--Continued

Well 806
2½ miles east of Malakoff.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Surface soil-----	1	1	Gray sand-----	1	15
Red clay-----	6	7	Gray and yellow sandy shale	1	16
Yellow and red clay-----	4	11	Quicksand-----		16
Yellow sand-----	3	14	Water was not analyzed.		

Well 807
2½ miles east of Malakoff.

Surface soil-----	1	1	Buff shale-----	8	13
Iron rock-----	4	5	Blue and yellow sand-----	2	15
			No water.		

Well 808
2½ miles east of Malakoff. Section in shaft of lignite mine.

White sand-----	2	2	Gray fine sand banded with		
Red shale-----	28	30	carbonaceous shale-----	1	81
Red and orange sticky shale	20	50	Lignite-----	6	87
White sand-----	30	80	Water seeping in through roof of mine.		

Well 811
2¾ miles southeast of Malakoff.

White sand-----	20	20	Gray sand containing streaks		
Brown sand-----	10	30	of red sand-----	1	48
Gray and yellow sand-----	10	40	Gray sand-----	2	50
Brown and yellow sand-----	3	43	White water sand-----	2	52
Brown and yellow sand con- taining iron concretions-	1	44	Yellow water sand-----	1	53
Gray sandy shale-----	1	45	Quicksand-----	1	54
Gray sand-----	1	46	Water at 52 feet.		
Gray, yellow, and brown, variegated sand-----	1	47	See table of water analyses.		

Well 812
2 miles southeast of Malakoff.

Brown sand-----	1	1	Gray sticky shale-----	5	13
Brown and yellow sand-----	3	4	Light gray sandy shale-----	3	16
Brown and blue sticky sand-	1	5	Water at 5 feet.		
Black sticky sand-----	1	6	See table of water analyses.		
Gray shale-----	2	8			

Well 815
1 mile south of Malakoff.

Sticky yellow sand-----	1	1	Quicksand-----	1	11
Buff sand-----	3	4	Water at 11 feet. Water was not analyzed.		
Blue sticky sand-----	2	6			
White water sand-----	4	10			

Well 817
2½ miles south of Malakoff.

Surface sand-----	1	1	Gray and yellow clay-----	4	12
Light brown sand-----	4	5	Water at 10 feet.		
Brown sand containing gravel	1	6	See table of water analyses.		
Gray and yellow sandy clay containing iron concretions	2	8			

Logs of W. P. A. test wells--Continued

Well 826

At edge of marsh, 8 miles southeast of Malakoff.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Brown and gray sand-----	1	1	Brown and yellow sand-----	1	5
Gray sand and iron concretions-----	1	2	Black sand-----	7	12
Yellow coarse sand-----	1	3	Black sticky sand-----	2	14
Gray and yellow coarse sand-	1	4	Water was not analyzed.		

Well 833

10 miles east of Malakoff.

Surface sand-----	1	1	Gray and yellow clay con- taining pyrite-----	2	9
Gray sand-----	1	2	Rock-----		9
Yellow and brown sand-----	2	4	No water.		
Red and gray clay-----	2	6			

Well 838

5½ miles south of Malakoff.

Surface sand-----	1	1	White shale containing yellow sand-----	1	12
Red gumbo-----	1	2	Yellow, gray, and brown, variegated sand-----	2	14
Red and yellow clay-----	2	4	Yellow sand-----	4	18
Drv gray and yellow sandy shale-----	3	7	Yellow water sand-----	2	20
White sandy shale-----	3	10	Water at 19 feet. See table of water analyses.		

Well 839

4½ miles south of Malakoff.

Sticky red and yellow clay--	3	3	Blue sticky shale-----	1	12
Yellow sand-----	2	5	Brown streaked shale-----	1	13
Yellow and gray sand-----	2	7	Water at 10 feet. See table of water analyses.		
Yellow water sand-----	3	10			
Coarse yellow sand-----	1	11			

Well 841

7¼ miles south of Malakoff.

Surface soil-----	1	1	Yellow sand with streaks of clay-----	2	16
Gray and yellow clay-----	2	3	Blue and yellow sticky sand	1	17
Gray sandy shale-----	2	5	Sticky buff sand-----	1	18
Brown and gray streaked shale	1	6	Sticky blue sand-----	2	20
Brownish sandy shale-----	1	7	Coarse water sand-----	1	21
Blue builders clay-----	1	8	Blue clay and sand-----	2	23
Yellow and gray clay and sand	1	9	Water at 21 feet. See table of water analyses.		
Sticky yellow clay-----	2	11			
Blue gumbo-----	3	14			

Well 848

8½ miles southeast of Malakoff.

Surface soil-----	4	4	Yellow sand-----	2	9
Gray sand-----	2	6	Water sand-----	2	11
Brown sand-----	1	7	See table of water analyses.		

Logs of W. P. A. test wells--Continued

Well 851

10 miles southeast of Malakoff.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Surface sand-----	6	6	Pink sand-----	1	21
Red sticky sand-----	4	10	Pink and yellow sand-----	1	22
Yellow sticky sand-----	1	11	Pink and red streaked sand	1	23
Orange sand-----	2	13	Yellow and white sand-----	1	24
Pink sand-----	3	16	Yellow sand-----	1	25
Yellow and white sand-----	1	17	Pink sand-----	3	28
White and red sand-----	1	18	Yellow and white sand-----	2	30
Red sand-----	1	19	Yellow sand-----	3	33
Pink sand and gray shale-----	1	20	No water.		

Well 854

10 miles southeast of Malakoff.

Surface soil-----	3	3	Gray and yellow clay-----	2	14
Variogated sand and clay-----	2	5	Brownish black clay-----	1	15
Yellow and gray sand and clay	3	8	Fine white sand-----	2	17
Yellow clay-----	1	9	Gray and yellow clay-----	3	20
Yellow and gray clay and sand	3	12	No water.		

Well 856

8 $\frac{3}{4}$ miles south of Malakoff.

Surface sand-----	2	2	Brown water sand-----	1	8
Yellow sand-----	1	3	Water at 7 feet.		
Gray sticky sand-----	3	6	See table of water analyses.		
Gray and yellow sand-----	1	7			

Well 860

8 $\frac{1}{2}$ miles south of Malakoff.

Surface sand-----	2	2	Yellow and gray sand-----	1	10
Yellow sand-----	3	5	Yellow sand with iron		
Red and yellow sand and clay	2	7	concretions-----	2	12
Yellow and gray clay-----	1	8	Coarse yellow sand-----	1	13
Red and gray clay-----	1	9	Fine white sand-----	1	14
			Rock-----		14
			No water.		

Well 863

9 $\frac{1}{4}$ miles south of Malakoff.

Yellow and brown clay-----	3	3	White and yellow sand-----	2	9
Yellow and gray clay-----	1	4	Rock-----		9
Yellow and gray sand-----	3	7	No water.		

Well 901

4 $\frac{1}{2}$ miles northeast of Trinidad.

Surface sand-----	1	1	Buff sand with clay-----	1	14
Sticky red and yellow clay--	2	3	Brown and gray shale-----	1	15
Buff sand-----	1	4	Cream sandy shale-----	2	17
Buff sandy shale-----	1	5	Gray and yellow sandy shale	2	19
Variogated sandy shale with			Variogated shale-----	2	21
streaks of clay-----	1	6	Brown shale, iron balls--	1	22
Buff shale-----	2	8	Brown shale and gravel--	1	23
Yellow sandy shale-----	3	11	Blue clay-----	1	24
Brown shale with fossils--	1	12	Blue water sand-----	2	26
Brown sand with iron con-			Sticky yellow sand-----	1	27
cretions-----	1	13	Water was not analyzed.		

Logs of W. P. A. test wells--Continued

Well 903

3 miles northeast of Trinidad,

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Gravel and yellow sand-----	2	2	White sandstone-----	2	16
White and yellow sand-----	5	7	Rock-----		16
White sand-----	3	10	No water.		
Yellow and white sand-----	4	14			

Well 907

2 miles northeast of Trinidad.

Surface sand-----	2	2	Red sand-----	1	14
Yellow sand-----	2	4	Gray and yellow sticky sand-----	11	25
Red and yellow sticky sand--	1	5	Yellow sand-----	2	27
Gray and red sticky sand---	3	8	Gray and yellow sticky sand	4	31
Yellow and gray sticky sand-	3	11	Water at 30 feet.		
Yellow sand-----	2	13	See table of water analyses.		

Well 909

2 miles north of Trinidad.

Black gumbo-----	3	3	Yellow water sand-----	3	13
Grayish brown gumbo-----	4	7	Gray and yellow sticky sand	2	15
Brown gumbo-----	2	9	Water at 11 feet.		
Gray sand-----	1	10	See table of water analyses.		

Well 910

1 mile northeast of Trinidad.

Gray sandy loam-----	1	1	Gray sand and yellow shale	2	6
Light gray sand-----	1	2	Water sand-----	3	9
Yellow sandy clay-----	2	4	See table of water analyses.		

Well 915

1½ miles west of Trinidad.

Black gumbo-----	3	3	Clay containing gravel----	1	6
Gray clay-----	1	4	Gravel-----		6
Gray and yellow variegated clay-----	1	5	No water.		

Well 916

1½ miles west of Trinidad.

Black sticky gumbo-----	1	1	Sticky yellow clay-----	10	14
Yellow sticky clay-----	1	2	No water.		
Sticky grayish yellow clay--	2	4			

Well 930

2½ miles south of Trinidad.

Black gumbo-----	6	6	Gray water sand-----	1	12
Gray gumbo containing limestone concretions-----	5	11	Water at 11 feet.		
			See table of water analyses.		

Logs of W. P. A. test wells—Continued

Well 932

3½ miles south of Trinidad.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Black sticky gumbo-----	6	6	Gray and yellow sand-----	2	12
Gray sticky gumbo-----	4	10	Water at 10 feet.		
			See table of water analysis.		

Well 934

4¼ miles southeast of Trinidad.

Black sticky gumbo-----	4	4	Gray and yellow clay-----	1	20
Grayish brown sticky shale containing limestone-----	5	9	Gray clay containing white chalk-----	1	21
Yellow shale containing limestone concretions-----	4	13	Coarse red sand-----	1	22
Gray and yellow sand-----	1	14	Coarse yellow and brown sand with small gravel---	2	24
Yellow sand-----	1	15	Coarse white sand and gravel-----	1	25
Gray sandy shale-----	1	16	Coarse brown sand and gravel-----	1	26
Yellow sand-----	2	18	Fin. blue shale-----	3	29
Coarse red sand-----	1	19	No water.		

Well 238

5½ miles northwest of Athens.

Surface exposure.					
Surface sand-----	1	1	Bluish sticky clay-----	3	22
Red clay-----	3	4	Test hole.		
Gray, yellow and brown sand and clay-----	2	6	Brown surface sand-----	3	25
Iron rock-----	1	7	Yellow and gray sticky sand	2	27
Bluish gray and yellow sand-	2	9	Brown red and black varie- gated sand-----	1	28
Gray and brown sandy shale--	3	12	Yellow and gray sandy shale	2	30
Blue and yellow sand and shale-----	3	15	Red and brown sand contain- ing iron concretions-----	1	31
Lignite-----	2	17	Hit big iron rock-----		31
Red and blue clay containing small particles of lignite-	2	19			

Partial analyses of water from wells in Henderson 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, and D. F. Riddell, 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 Ca CO ₃ (calculated)
1	W.P.A. test well	27	Mar. 4, 1936	1,029	19	3	363	360	264	200	60
2	Phoenix Realty Co.	25	Mar. 3, 1936	1,286	224	15	220	350	355	295	622
3	W.P.A. test well	16	do.	1,128	95	10	237	433	305	265	281
5	Fletch Hooker	20	Feb. 28, 1936	534	135	10	64	491	a/	80	376
6	J. A. Harris	49	do.	1889	379	53	262	433	28	950	1,166
7	Jane Duncan	43	do.	660	101	10	256	62	76	186	291
8	N. B. Ivey	49	Mar. 9, 1936	1,209	232	24	196	440	22	515	681
9	Matty E. Aday	41	Feb. 29, 1936	1,026	139	14	245	580	28	310	407
10	Rock Flint	60	do.	646	122	8	125	513	a/	135	338
11	Bassett Blakely	40	do.	1,077	221	20	159	244	a/	555	637
12	Sam Blythe	30	do.	2,985	370	24	670	482	760	920	1,023
13	H.D. Henson	20	do.	407	10	14	238	232	a/	29	82
15	J.B. Johnson	114	do.	169	25	7	58	49	a/	55	91
16	H. Prignore	30	Feb. 24, 1936	2,397	434	29	434	457	32	1,240	1,204
17	Mrs. M.E. Hornsby	18	Feb. 27, 1936	1,843	364	31	288	561	90	790	1,038
18	Sam Clamon	17	do.	77	3	6	19	34	a/	32	30
19	Joe Witoski	35	Feb. 29, 1936	386	40	12	96	232	12	110	148
20	J.A. Johnson	20	Feb. 24, 1936	226	36	8	34	168	a/	44	126
21	J.E. Murphy	10	do.	118	22	7	13	43	a/	55	83
23	Jno. Bruner	16	Feb. 25, 1936	147	6	6	44	76	a/	51	40
24	W.P.A. test well	13	do.	114	9	2	28	12	48	21	30
25	S.E. Reed, Heirs	10	Feb. 24, 1936	155	10	8	41	116	a/	38	58
26	J.A. Johnson	16	do.	746	118	20	138	250	75	270	387
29	W.P.A. test well	13	do.	333	45	4	79	232	31	58	130
30	Harlin Morrison	8	do.	184	47	6	17	140	a/	44	140
33	W.T. Phillips	13	Feb. 20, 1936	564	25	11	161	104	199	116	106
34	S.E. Pritchett	25	Feb. 24, 1936	4,149	713	29	800	232	191	2,300	1,902

a/ Sulphate less than 5 parts per million.

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

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 Ca CO ₃ (calculated)
35	T.B. Mayo	36	Feb. 20, 1936	2,134	467	24	294	311	144	1,050	1,266
36	Loan Co.	35	do.	2,389	360	29	500	427	167	1,120	1,019
37	J.J. Wingo	22	Feb. 25, 1936	256	65	7	22	165	20	60	192
38	J.J. Patterson	22	do.	1,002	134	17	230	222	a/	510	405
39	do.	22½	do.	592	87	11	137	475	a/	120	261
40	Aley High School	22	Feb. 27, 1936	792	90	20	199	610	32	146	307
41	Virgil Thomas	47½	do.	267	82	9	9	244	25	20	235
42	J.T. Thomas	52	do.	367	162	17	159	610	a/	224	472
43	W.V. Johnson	57	do.	411	56	12	90	236	a/	134	188
44	O.B. Gause, Heirs	39½	Mar. 3, 1936	436	176	12	8	464	a/	56	415
45	K.B.I. Club	44	do.	918	109	17	120	317	44	330	568
46	T.B. Myers	46	do.	585	63	13	145	342	a/	188	250
47	Bon Blythe	27	do.	133	-	43	-	49	a/	66	177
48	W.D. Byers	Spring	do.	199	14	16	44	153	a/	49	100
50	H. A. Justice	43	Feb. 27, 1936	1,696	251	20	371	336	16	870	712
52	J.R. Patterson	48	Feb. 25, 1936	604	215	11	-	418	38	134	588
53	W.R. Burns	61	do.	1,413	300	13	230	420	a/	655	822
54	W.M. King	22	Feb. 20, 1936	308	16	7	80	76	151	16	69
55	First Trust Joint Land Bank	24½	do.	-	-	-	-	98	35	142	-
57	John Sanders	22½	do.	745	36	12	219	134	199	212	139
58	J.M. Dowdy	23½	do.	921	78	20	243	278	111	330	280
59	J.E. Grizzard	30½	do.	1,630	171	23	411	403	199	625	522
61	A. Greenhaw	48	Feb. 25, 1936	2,780	489	50	495	299	237	1,360	1,448
62	W.P.A. test well	16	do.	991	71	7	307	710	167	84	205
63	Mrs. Tom Ray	50½	do.	1,843	307	30	350	354	229	750	889
65	J. E. Reece	47	Feb. 27, 1936	522	177	12	3	396	34	98	492
66	do.	8½	do.	128	43	4	-	85	32	7	126
67	Mrs. N. McClung	39	do.	2,056	275	48	419	488	320	750	886
68	R.L. Larkinton	50	Feb. 13, 1936	125	27	16	-	24	20	50	134
70	W.P.A. test well	22	Feb. 20, 1936	494	137	11	37	412	43	60	386
71	M.J. McClinock	34	do.	206	23	3	57	140	a/	53	70

a/ Sulphate less than 5 parts per million.

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

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 Ca CO ₃ (calculated)
101	B.B. Killon	25	Mar.18,1936	386	54	27	60	354	30	38	248
102	T.G. Tapp	38	do.	184	8	5	60	67	a/	78	41
103	J.W. Hitt	31	Mar.19,1936	213	18	8	54	43	20	92	76
106	W.P.A. test well	9	Jan.31,1936	642	4	-	154	204	286	68	120
107	T.J. Jennings	19	Feb. 3,1936	146	29	7	12	34	39	42	101
109	Mrs. J.B. Lonon	36	Mar.18,1936	101	14	5	20	85	a/	20	56
111	Frank Reid	28	do.	1,592	198	154	66	6	1,069	102	1,128
114	W.P.A. test well	27	do.	305	-	6	100	36	119	62	23
116	Fred Anthony	22½	Jan.31,1936	48	18	84	12	42	-	25	46
117	W.P.A. test well	23	do.	2,794	250	16	515	54	908	1,080	1,283
120	Mrs. Julia Holland	82	Mar. 4,1936	1,298	107	50	332	475	32	540	521
121	P.W. Whisenant	89	do.	563	44	20	133	220	176	80	192
122	C.C. Bonsal	27	do.	1,434	179	45	295	195	238	580	632
123	Ben Primrose	52	do.	918	122	81	61	232	490	48	640
124	Allen Estate	15½	Mar.18,1936	4,633	209	305	955	403	2,043	920	1,778
129	Gary Gossett, Heirs	12	Feb.17,1936	395	80	20	37	207	87	68	282
130	W.P.A. test well	18	do.	2,195	221	139	292	12	1,162	375	1,122
132	do.	22	do.	6,503	672	266	1,200	590	2,250	1,820	2,773
133	Dutch Toal	28	do.	6,717	423	336	1,395	305	3,091	1,320	2,436
134	do.	3,500	do.	16,890	436	75	6,050	159	a/	10,250	1,399
137	W.A. Peavy	50½	Feb.13,1936	1,233	165	19	239	766	102	275	492
138	L.B. Mason	50	do.	420	41	70	81	186	96	39	131
139	do.	42	do.	451	65	70	55	159	167	15	191
140	Lewis Avant	52	do.	2,033	313	23	400	183	286	920	877
141	Mrs. McCord	Spring6	Mar.19,1936	176	-	-	-	128	10	36	-
142	do.	do.	do.	187	-	-	-	122	8	48	-
143	P.A. Carson	68	Mar. 4,1936	142	16	8	31	134	a/	20	72
144	E. M. Cole	14	do.	-	-	-	-	427	78	90	-
146	Hugh Loper	23	do.	2,543	186	99	640	585	436	890	872
147	Bettie Box	27	do.	578	57	30	114	61	123	224	264
148	Homer Williams	68	Apr. 1,1936	1,046	123	58	177	208	169	415	547
149	H.B. Myfield	20	do.	1,351	126	112	137	24	832	132	774

a/ Sulphate less than 5 parts per million.

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

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 Ca CO ₃ (calculated)
150	W.P.A. test well	8	Mar. 4, 1936	197	7	10	44	18	106	21	61
154	Travis Peters	39	Apr. 1, 1936	133	-	-	47	24	8	66	-
156	Lena Roberts	62	Mar. 4, 1936	539	76	20	108	90	a/	290	272
158	C.H. Blackburn	50	Feb. 13, 1936	1,001	135	12	212	464	302	108	386
159	Robert Tyres	27	do.	1,038	157	5	221	582	270	94	410
160	do.	17	do.	761	95	9	163	366	292	19	276
161	do.	29	do.	1,140	183	18	207	521	286	186	532
162	do.	30	do.	1,613	243	18	331	494	254	520	682
164	Mrs. Dean Jackson	63	do.	1,143	143	11	185	500	239	315	401
165	do.	51	do.	638	85	8	130	293	247	22	246
166	Connie Griffith	75	Mar. 4, 1936	783	132	56	95	329	28	308	552
167	St. Paul School	33	Apr. 1, 1936	1,870	146	112	327	37	762	505	824
168	W.P.A test well	19	Mar. 12, 1936	10,119	965	120	2,510	616	2,416	3,800	2,910
169	do.	12	do.	169	29	5	44	134	a/	24	96
170	C. Butler	49	do.	1,816	304	32	292	524	650	276	884
172	J.H. Shiflet	90	Feb. 13, 1936	2,420	240	48	487	244	255	1,270	1,296
173	Dean Jackson	40	do.	825	87	9	208	504	223	46	256
174	J.L. and J.I. Joflin	29	Mar. 13, 1936	195	34	1	45	207	a/	12	90
175	W.P.A test well	25	do.	436	28	13	110	183	155	39	122
177	J.L. and J. L. Joflin	24	Feb. 10, 1936	9,952	639	166	2,750	330	2,112	4,120	2,280
180	J.E. Carroll	20	Feb. 7, 1936	175	39	9	17	140	a/	40	132
201	Stephens, Heirs	50	May 8, 1936	47	-	5	11	12	a/	25	21
202	Gorham Coker	20	Feb. 26, 1936	43	-	5	11	30	a/	12	19
203	W.K. Coker	32	May 8, 1936	32	-	-	-	18	a/	11	-
204	E. B. Rowland	27	do.	73	-	-	-	61	a/	15	-
205	J. C. Meredith	44	do.	37	4	-	11	12	a/	16	10
20E	C. N. York	23	Mar. 6, 1936	627	40	39	136	159	155	178	260
209	T.B. Johnson	12	do.	551	48	27	119	116	83	216	233
210	Mrs. A.C. Tyler	19	do.	137	10	5	35	61	30	27	46
211	Mrs. G. Lewis	27	do.	141	4	5	42	49	35	31	31
212	Ross Smith	21	do.	1,714	212	143	194	73	459	670	1,117
213	L.L. Cockrell	37	do.	373	75	32	20	159	39	128	319

a/ Sulphate less than 5 parts per million.

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

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 Ca CO ₃ (calculated)
214	W.T. Kirkpatrick	18	Mar. 18, 1936	34	7	3	2	24	a/	10	30
215	L.N. Wycough	45	Mar. 6, 1936	143	3	3	53	122	a/	23	20
216	W.P.A. testwell	12	do.	232	-	11	62	24	127	20	46
218	Geo. Stegall	41	Feb. 3, 1936	2,230	223	246	188	390	763	615	1,571
219	J.C. Harris	29	do.	329	21	8	98	244	39	41	85
220	J.M. Gardner	14	Mar. 6, 1936	359	28	8	105	262	39	48	101
223	W.P.A. test well	12	do.	2,209	251	123	264	-	1,381	190	1,135
224	Mrs. C.E. Campbell	39	do.	400	48	25	48	30	48	216	293
225	German Estate	28	Mar. 2, 1936	137	14	13	19	78	24	28	88
226	R.M. Graham	33	do.	2,863	351	252	349	24	409	1,490	1,911
227	A.F. Beeson	Spring	do.	27	-	6	2	24	a/	7	25
228	-	13	May 8, 1936	32	-	-	-	18	a/	11	-
229	- Meredith	Spring	do.	39	-	-	-	18	6	10	-
230	Garrison Smith	25	Feb. 26, 1936	194	8	5	57	6	47	74	41
231	I.B. Irans	21	do.	2,301	161	143	338	6	586	1,070	1,400
232	Bethel School	33	do.	332	38	19	50	43	104	100	174
233	Mrs. T.M. Mathews	9	do.	1,308	245	77	77	183	560	258	930
234	J.S. Morgan	24	May 8, 1936	53	-	-	-	37	a/	15	-
235	M.C. Royall	37	Feb. 26, 1936	2,116	171	117	497	122	490	780	909
237	Archie Dennis	26	Mar. 2, 1936	43	4	8	2	30	a/	14	41
239	W.J. Benge Estate	12	do.	25	-	5	3	24	a/	5	22
242	W.T. German	43	do.	367	24	25	76	134	77	98	163
243	W.J. Benge Estate	8	Feb. 5, 1936	3,720	674	172	438	156	278	2,080	2,391
245	W.R. Harris	12	do.	239	55	8	14	70	91	36	171
246	do.	40	do.	603	39	23	158	67	25	325	192
251	C.W. Winterrowd	55	Apr. 3, 1936	182	-	-	-	12	51	64	-
256	Curlee Bros.	50	do.	527	24	10	170	280	43	140	101
257	Hubert P. Barton	84	Mar. 17, 1936	542	72	14	114	302	107	84	236
258	J.T. Wilbanks	18	do.	354	13	3	22	548	32	10	45
261	J.H. Johns	37	Apr. 3, 1936	90	-	-	-	67	8	15	-
265	R.J. Bladeny	17	Apr. 4, 1936	149	-	-	-	61	53	28	-
266	E.M. Henderson	55	Mar. 17, 1936	557	131	35	35	548	60	22	469

a/ Sulphate less than 5 parts per million.

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

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 Ca CO ₃ (calculated)
267	D.M. Keeton	39	Apr. 6, 1936	188	11	16	39	98	17	56	92
268	R.N. McGuffey	29	Apr. 3, 1936	87	-	-	-	43	a/	33	-
269	W.P.A. test well	24	Apr. 14, 1936	271	-	-	-	37	94	69	-
270	T.M. Mathews	-	Mar. 24, 1936	196	-	-	-	183	12	18	-
271	V.I. Stirman	Spring	May 8, 1936	83	6	-	24	31	29	9	15
272	W.P.A. test well	42	Apr. 13, 1936	51	-	-	-	24	10	11	-
274	Z.W. Daniel	12	Feb. 24, 1936	111	10	7	22	6	a/	69	53
275	D.F. Dean	19	Feb. 26, 1936	55	19	3	-	43	a/	12	60
276	J.W. Johnson	32	do.	54	13	6	-	21	a/	25	55
278	Mrs. Eads	12	May 7, 1936	653	94	60	19	12	412	62	485
279	E.M. Henderson	20	Apr. 8, 1936	43	-	-	-	18	a/	18	-
280	Mrs. E.M. Henderson	41	do.	74	2	5	17	18	24	17	26
281	W.P.A. test well	12	Mar. 16, 1936	169	7	11	41	24	20	78	61
282	do.	21	do.	99	-	3	30	18	44	13	13
283	do.	10	do.	48	7	3	8	42	a/	9	31
284	do.	11	do.	85	17	8	-	12	a/	24	76
286	R.B. Perry	10	Feb. 1, 1936	162	1	7	53	18	a/	92	30
288	W.P.A. test well	43	Mar. 11, 1936	1,016	92	30	181	-	508	206	354
290	Athens Water Works	794	May 2, 1936	136	24	5	24	134	a/	16	81
293	Hugh Drane Ise Co.	55	May 11, 1936	204	23	6	44	49	39	68	81
299	W.P.A. test well	13	May 6, 1936	57	-	-	-	18	10	18	-
301	do.	29	Jan. 29, 1936	43	8	-	9	22	-	15	20
304	do.	13½	Jan. 30, 1936	653	26	9	195	240	271	32	103
305	W.H. Upchurch	41	Jan. 29, 1936	356	36	76	76	7	-	190	163
306	do.	64½	do.	90	1	8	22	84	-	15	43
308	do.	-	do.	37	10	168	5	24	-	11	25
309	do.	34	do.	1,157	111	98	184	39	-	725	678
311	J.W. Christopher	43	Feb. 7, 1936	244	46	30	-	67	37	98	239
312	W.P.A. test well	8	Jan. 30, 1936	185	24	18	15	33	58	37	133
313	do.	4	do.	175	9	3	18	6	28	11	31
314	John W. Christopher	62	Feb. 7, 1936	822	-	87	166	85	257	270	358
315	do.	42	do.	949	58	39	242	61	95	485	305

a/ Sulphate less than 5 parts per million.

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

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 Ca CO ₃ (calculated)
316	John W. Christopher	54	Feb. 7, 1936	691	69	23	160	67	31	375	267
318	G.W. Green	23	Mar. 13, 1936	74	19	6	2	67	a/	14	71
319	W.J. Carter	27	Mar. 16, 1936	362	13	-	134	61	a/	185	35
320	I. N. Goode	40	Mar. 17, 1936	41	5	-	11	30	a/	10	15
321	J. M. Gray	55	Feb. 7, 1936	367	50	15	69	37	a/	215	184
325	Malakoff Fuel Co.	382	Mar. 17, 1936	188	8	8	60	195	a/	15	51
326	do.	13	do.	93	9	3	25	55	a/	29	35
402	J.A. Tullos	24	Apr. 6, 1936	69	-	-	-	24	8	24	-
403	Mayfield Gro. Co.	32	do.	137	-	-	-	49	8	55	-
404	W.R. Dyer	15	May 6, 1936	55	-	-	-	43	a/	13	-
406	Mrs. Jack Cox	27	do.	115	3	3	30	-	45	34	21
409	A.B. Jones	15	do.	55	-	-	-	18	a/	26	-
410	E.C. Hodges	68	do.	184	8	7	37	12	20	106	51
412	I.P. Larue	41	do.	67	-	-	-	18	8	26	-
413	L.H. Stidham	8	Apr. 8, 1936	679	-	-	-	378	58	182	-
414	T.E. Kent	20	Apr. 6, 1936	367	-	-	-	49	69	140	-
415	R.I. Washburn	13	Apr. 8, 1936	680	63	32	142	-	78	365	287
417	D.F. Stylors	30	Apr. 7, 1936	124	-	-	-	61	16	33	-
421	O.W. Parker	37	May 4, 1936	1,143	119	61	168	31	574	206	548
423	H.L. Massey	32	May 7, 1936	83	-	-	-	24	10	31	-
424	J.M. McRae	31	do.	35	-	-	-	18	a/	13	-
425	Mrs. W.H. Barron	46	do.	78	-	-	-	24	22	17	-
426	W.S. Walker	20	Apr. 8, 1936	96	-	-	-	31	8	38	-
427	D.A. Brazell	Spring	Apr. 9, 1936	41	-	-	-	12	10	11	-
428	Methodist Parsonage	14	May 7, 1936	280	0	7	102	73	33	102	31
429	D.F. Dodson	14	May 6, 1936	626	8	7	212	18	130	260	51
432	Geo. Pace	42	do.	57	-	-	-	12	10	21	-
433	Athens Fisk and Game Co.	21	Apr. 8, 1936	63	-	-	-	12	10	25	-
434	Loan Co.	47	do.	57	4	2	15	37	8	10	20
435	W.L. Roby	46	Apr. 27, 1936	38	-	-	-	18	a/	15	-
436	R.L. Parrott	12	do.	36	-	-	-	24	a/	10	-

a/ Sulphate less than 5 parts per million.

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

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 Ca CO ₃ (calculated)
437	J.B. Paroline	15	May 4, 1936	63	-	-	-	31	8	17	-
438	Sam Lee	14	do.	112	-	-	-	49	12	35	-
439	Leagueville School	37	do.	97	-	-	-	43	20	22	-
440	J.B. Tindal	35	May 5, 1936	69	-	-	-	55	a/	15	-
441	T.R. Dingle	33	do.	38	-	-	-	24	a/	12	-
443	George Forrester Spring		Apr. 27, 1936	46	-	-	-	18	10	11	-
444	Mrs. Waller	17	do.	162	-	-	-	37	18	68	-
445	W.T. Jenkins, Heirs	45	do.	32	-	-	-	18	a/	11	-
446	S.A. Freeman	42	do.	128	-	-	-	24	8	56	-
447	E.M. Henderson	51	Apr. 9, 1936	443	41	17	115	390	12	63	172
448	State Highway Dept.		do.	124	-	-	-	110	10	12	-
	Spring										
501	W.E. Nunnelle	30	Apr. 25, 1936	88	-	-	-	43	a/	34	-
502	Mrs. L.K. Speed	11	do.	35	-	-	-	18	a/	11	-
503	W.P.A. test well	12	do.	95	-	-	-	73	14	10	-
504	J.C. Clanahan, Heirs	29	do.	145	-	-	-	61	35	29	-
505	C.L. Cramer	23	do.	63	-	-	-	12	a/	34	-
506	L.W. Maynard	32	do.	30	2	2	6	12	a/	14	16
507	I. Neely	22	Apr. 24, 1936	69	-	-	-	12	a/	38	-
508	K. Donohey	21	do.	73	-	10	8	-	a/	55	40
509	Berry Brown	20	do.	298	21	12	77	37	a/	170	102
510	H.G. Larkin	39	do.	25	-	-	-	6	a/	13	-
511	R.P. Birdwell	13	do.	160	-	-	-	18	25	70	-
512	H.S. Tompkins	185	do.	140	6	-	51	110	12	16	15
513	Alvin Barton	38	Apr. 7, 1936	296	-	-	-	24	18	160	-
514	Brownsboro School	320	Apr. 24, 1936	115	10	15	13	73	12	29	84
515	G.W. Driggers	34	Apr. 21, 1936	321	29	17	66	12	27	176	142
516	J.J. Tergeson	37	Apr. 23, 1936	140	8	-	44	43	39	28	20
517	Ora May Vaughn	29	Feb. 21, 1936	108	11	3	28	24	a/	54	40
518	Pete English	43	do.	149	6	8	36	3	34	64	49
519	W.P.A. test well	18	Apr. 24, 1936	73	-	-	-	12	20	22	-
520	J.B. Sims	25	Feb. 21, 1936	133	12	8	30	37	a/	65	61

a/ Sulphate less than 5 parts per million,

Partial analyses of water from wells in Henderson County-Continued

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 Ca CO ₃ (calculated)
522	W.P.A. test well	27	Feb. 21, 1936	192	14	11	37	48	56	50	82
523	Mager Brown	10	do.	52	-	-	20	12	10	13	2
526	W.P.A. test well	25	do.	896	65	47	149	-	451	184	357
527	K. Norman, Heirs	42 ¹ / ₂	Apr. 23, 1936	872	64	61	144	6	346	254	410
528	Ellis Bros.	23	Apr. 25, 1936	473	-	-	-	37	226	66	-
529	W.P.A. test well	13	Feb. 20, 1936	231	28	18	34	6	a/	148	142
530	Mrs. C.J. Coleman	37	Feb. 21, 1936	229	12	5	73	30	a/	124	51
531	W.P.A. test well	10	Feb. 21, 1936	227	3	8	38	12	62	80	41
532	K. Kemmer	16	Feb. 21, 1936	191	44	10	16	55	a/	94	151
533	J.C. and E.R. Cade	5,250	Apr. 29, 1936	332	22	3	96	140	97	44	70
536	do.	3,000	do.	148	-	-	-	159	a/	11	-
537	J.R. Hicks	500	do.	157	-	-	-	171	a/	10	-
538	J. Davis	50	do.	-	-	-	-	-	22	11	-
539	E.J. Tidwell	20	Apr. 23, 1936	117	-	-	-	37	23	35	-
540	H.E. Grant	45	do.	911	54	48	167	-	422	220	336
541	do.	19	do.	51	-	-	-	24	12	9	-
542	C.D. Clayton	50	do.	59	2	5	13	24	12	15	26
543	Etta Olson	48	Apr. 21, 1936	79	-	-	-	24	13	26	-
544	do.	43	do.	301	-	-	-	6	62	134	-
545	George Curry	31	May 4, 1936	159	-	-	-	18	49	48	-
546	Jas. Day	40	do.	681	68	49	122	67	a/	410	371
547	A. D. Browning	51	Apr. 23, 1936	53	-	-	-	24	8	14	-
552	J.F. Greer	10	Apr. 21, 1936	8,207	466	525	1,535	122	3,710	1,910	3,324
553	W.P.A. test well	14	Apr. 22, 1936	1,063	52	40	256	6	422	290	295
554	C.D. Boyd	32	Apr. 23, 1936	2,601	194	111	548	49	914	810	940
555	W.P.A. test well	12	Apr. 24, 1936	178	-	-	-	12	35	76	-
556	Mrs. T.P. Norman	14	do.	70	-	-	-	18	8	28	-
559	W.P.A. test well	16	do.	259	-	-	-	-	96	79	-
560	Joe Meyer	29	Apr. 20, 1936	138	-	-	-	55	17	44	-
562	T.L. Wicks	28	Apr. 21, 1936	124	-	-	-	12	8	66	-
563	Wey Mathis	Spring	do.	54	-	-	-	24	10	13	-
565	A.H. Vaughn	37	do.	584	-	-	-	6	356	48	-

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

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 Sulphate (HCO ₃) (SO ₄)	Chloride (Cl)	Total hardness as Ca CO ₃ (calculated)	
566	Mrs. S.T. Williams	45	May 5, 1936	69	-	-	-	31	a/	28	-
567	W.N. Crawford	58	do.	56	-	-	-	24	a/	23	-
601	J.C. Cade and J.R. Hicks	29	Apr. 20, 1936	66	-	-	-	37	10	14	-
602	Callie Tylor	48	do.	73	-	-	-	24	10	25	-
603	W.P.A. test well	22	do.	551	-	-	-	12	192	172	-
604	Mrs. E.P. Miller	27	do.	1,023	114	90	87	-	494	236	636
606	G.R. Tatum	21	May 5, 1936	76	-	-	-	24	a/	36	-
607	W.E. Johnson	34	May 5, 1936	67	8	2	14	37	14	11	30
608	G.C. Crossley	70	Apr. 27, 1936	287	25	15	64	31	a/	168	122
609	J.E. Carrington	53	May 5, 1936	757	24	15	246	43	51	400	121
611	W.O. Murphy	19	Apr. 20, 1936	57	-	-	-	18	8	20	-
612	T.J. Cobble	54	Apr. 18, 1936	34	-	-	-	18	a/	12	-
613	Dan W. Hollingsworth	26	do.	63	-	-	-	37	8	14	-
614	Mrs. B. Bacon	29	do.	74	-	-	-	37	a/	28	-
615	J.S. Wofford	28	do.	238	-	2	88	30	31	102	10
616	Mrs. M. Moore	52	Apr. 17, 1936	113	-	-	-	18	59	9	-
617	A.B. Mandlestam	45	do.	114	-	-	-	24	a/	60	-
618	Mrs. E.P. Miller	18	Apr. 20, 1936	165	-	-	-	49	12	82	-
619	Will Williford	51	do.	89	-	-	-	24	20	26	-
621	J.J. Thrasher	61	do.	61	-	-	-	24	8	19	-
622	Poyner School	65	do.	50	-	-	-	24	10	10	-
623	J. Casey	41	Apr. 17, 1936	281	-	-	-	18	31	142	-
624	Poyner Saw Mill and Gin	18	do.	186	-	-	-	61	8	80	-
625	W.P.A. test well	20	do.	164	-	-	-	24	66	32	-
626	J.M. Hardaway	Spring	do.	49	-	-	-	12	8	18	-
628	T. and N.O. R.R.	16	Apr. 20, 1936	66	-	-	-	37	a/	23	-
629	J.M. Hardaway	51	May 8, 1936	117	-	-	-	24	20	44	-
702	J.F. Godwin	20	Apr. 27, 1936	84	-	-	-	49	a/	28	-
704	Sholars and Tindel	62	Apr. 10, 1936	56	-	-	-	18	a/	26	-
705	W.P.A. test well	20	Apr. 27, 1936	163	6	7	45	12	31	68	41

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

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 Ca CO ₃ (calculated)
706	Tom Faulk	33	Apr. 10, 1936	109	-	-	-	49	12	33	-
707	W.E. Johnson	15	do.	145	-	-	-	49	8	60	-
710	Will Richardson	12	Apr. 9, 1936	44	-	-	-	37	a/	9	-
711	do.	Spring	do.	86	-	-	-	61	12	12	-
712	C.H. Coleman	45	Apr. 14, 1936	126	13	15	11	18	24	54	92
714	W.P.A. test well	20	May 11, 1936	814	-	-	-	147	363	112	-
715	Pine Grove School	20	Apr. 29, 1936	547	40	39	75	-	354	39	260
716	Mrs. Ed Carroll	13	Apr. 14, 1936	775	117	27	76	61	479	46	403
717	A.L. Morris	10	do.	292	-	-	-	24	33	144	-
718	Mrs. W.D. Price	20	May 1, 1936	92	-	-	-	31	10	34	-
719	J.J. Jones	29	Apr. 16, 1936	161	-	-	-	55	16	60	-
720	W.P.A. test well	12	do.	-	-	-	-	116	12	76	-
721	L.D. Henderson	32	May 5, 1936	69	-	-	-	31	a/	28	-
722	V. Meyer	18	do.	820	77	63	99	18	418	154	453
723	Public School	28	Apr. 16, 1936	349	24	5	90	146	41	116	81
724	J.R. Hallmark	43	do.	38	8	2	6	24	a/	10	30
726	Henderson County	90	do.	38	-	2	11	12	8	11	10
728	A.B. Daniel	66	May 1, 1936	188	4	5	61	43	25	72	31
730	Loan Co.	12	Feb. 12, 1936	105	11	6	22	49	a/	42	51
731	W.P.A. test well	31	do.	166	-	17	33	61	79	7	70
732	L.B. Teague	30	do.	87	19	6	7	61	a/	25	71
733	N.E. Webb	26	Apr. 30, 1936	72	-	5	22	12	16	23	20
735	J.W. Lightfoot	-	May 1, 1936	97	8	5	22	37	8	36	41
736	Mrs. J.G. Van Zant	55	do.	96	-	-	-	37	a/	42	-
737	B.W. Williams	114	Apr. 17, 1936	172	4	2	61	67	12	60	20
740	E.C. Crews, Heirs	44	Apr. 16, 1936	324	15	6	102	18	8	184	61
741	Poyner School	56	do.	291	-	-	-	55	6	152	-
742	J.M. Miller	54	Apr. 17, 1936	867	41	27	251	61	43	475	213
743	C.A. Atwood	111	Apr. 30, 1936	197	4	5	66	49	10	88	31
744	Mrs. J.W. Farris	86	do.	348	10	2	130	293	21	39	35
746	W.P.A. test well	30	Feb. 12, 1936	326	-	16	102	24	23	173	66
747	do.	16	do.	76	-	3	24	12	13	30	13

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

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 Ca CO ₃ (calculated)
750	E.L. Giles	26	Feb. 12, 1936	551	28	20	100	-	355	38	152
751	W.C. Till	20	Apr. 30, 1936	259	-	-	-	256	12	19	-
752	J.W. Palmer	75	do.	-	-	-	-	-	22	31	-
801	Chas. Gooden	74	Mar. 5, 1936	41	-	3	13	24	a/	13	12
802	J.W. Alderson	17	do.	37	1	-	14	24	a/	10	5
803	C.E. Hendry	35	do.	34	-	5	19	49	a/	16	20
804	T.G. Self	41	do.	89	-	16	14	73	a/	23	64
805	W.F. Leopard	50	Apr. 2, 1936	576	-	-	-	440	28	110	-
809	Alice Carson	44	Apr. 21, 1936	7,007	600	450	1,090	274	2,900	1,830	3,350
810	do.	21	Apr. 2, 1936	89	-	6	26	49	17	16	24
811	W.P.A. test well	54	do.	187	10	4	47	24	102	12	41
812	do.	16	do.	4,993	480	166	1,000	512	1,981	1,110	1,882
813	R.P. Timore	36	Feb. 10, 1936	110	3	3	38	79	a/	270	21
814	Dan Holley	43	Apr. 2, 1936	1,154	57	27	346	79	70	615	253
816	Wright Edmundson	68	Mar. 24, 1936	-	-	-	-	30	10	20	-
817	W.P.A. test well	12	Mar. 10, 1936	111	5	11	17	12	48	24	59
818	A.H. Easterling	87	Apr. 2, 1936	326	-	-	-	183	86	34	-
819	Henderson County	Spring	Apr. 2, 1936	86	-	-	-	61	10	18	-
820	J. A. Jackson	70	do.	1,721	231	107	250	323	202	770	1,017
822	W.J. Dossier	53	do.	330	-	-	-	293	14	44	-
823	C.R. Boyd	40	Mar. 5, 1936	42	-	5	9	6	a/	25	22
824	John T. Hester	70	do.	25	-	3	6	12	a/	10	12
825	do.	36	do.	-	-	-	-	73	10	94	-
827	Charley Henry	18	do.	158	40	8	8	85	16	44	131
829	Loan Co.	16	Apr. 30, 1936	91	-	-	-	61	a/	26	-
830	T.B. Miller	40	Apr. 13, 1936	198	-	-	-	24	73	48	-
831	M.J. McCool	19	Apr. 29, 1936	141	-	-	-	37	39	36	-
834	W.R. Day	57	do.	134	22	5	23	85	8	34	76
835	L. T. Trammel	31	Mar. 30, 1936	-	-	-	-	12	24	32	-
837	S.J. Riddlesperger	108	Mar. 24, 1936	322	16	10	100	280	24	32	81
838	W.P.A. test well	20	Mar. 10, 1936	3,378	377	128	740	647	a/	1,810	1,472
839	do.	13	do.	3,784	541	227	477	427	816	1,510	2,288

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

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 Ca CO ₃ (calculated)
840	- Riddlesperger Spring		Mar. 26, 1936	48	-	-	-	24	8	11	-
841	W.P.A. test well	23	Mar. 11, 1936	1,940	128	95	447	24	298	960	709
842	R. P. Cotton	40	Apr. 29, 1936	388	57	27	44	24	122	126	228
844	Billy Riddlesperger	20	Mar. 31, 1936	-	-	-	-	49	84	84	-
845	F. Locke	54	do.	4,195	569	296	536	98	375	2,370	2,643
846	J.D. Goodgame	14	Mar. 30, 1936	-	-	-	-	37	10	9	-
847	Bud Anding	29	do.	235	28	19	24	12	78	80	151
848	W.P.A. test well	11	Mar. 31, 1936	102	-	-	-	24	47	10	-
852	A.S. Ford and J.P. Wynn	57	Mar. 30, 1936	-	-	-	-	49	56	54	-
853	R.D. Palmer	14	Mar. 31, 1936	-	-	-	-	37	8	12	-
855	Robt. Green	48	Mar. 26, 1936	935	122	46	165	195	45	460	496
856	W.P.A. test well	8	Mar. 11, 1936	1,126	148	47	208	420	133	380	565
857	Mary Thomas	37	Mar. 26, 1936	-	-	-	-	98	10	61	-
859	John Haden	63	Apr. 29, 1936	882	54	43	213	61	122	420	310
861	J.P. Pickens	54	Mar. 26, 1936	-	-	-	-	232	8	168	-
862	E.A. Boyd Estate	106	Mar. 27, 1936	-	-	-	-	232	8	21	-
864	Joe A. Worsham	503	do.	1,096	2	1	445	536	a/	380	9
865	C.R. Litchfield	62	Mar. 26, 1936	-	-	-	-	61	a/	10	-
866	H.W. Barton	47	do.	873	80	36	210	524	63	222	550
867	Dolfus Pettitt	46	Mar. 11, 1936	51	9	-	11	18	a/	22	25
902	Richard Derden	100	Apr. 1, 1936	-	-	-	-	305	43	32	-
905	Drane Ise Co.	355	Apr. 17, 1936	18	-	2	4	12	a/	6	9
906	T.A. Bartlett	350	Apr. 13, 1936	374	68	-	82	281	a/	84	170
907	W.P.A. test well	31	Feb. 7, 1936	228	11	6	69	73	26	80	51
908	A.M. Roberts	16	Mar. 12, 1936	48	7	3	8	30	a/	15	30
909	W.P.A. test well	15	do.	9,603	670	210	2,440	757	2,930	2,980	2,541
910	do	9	Jan. 30, 1936	855	69	35	200	6	63	485	317
911	J.W. Bartlett	14	do.	150	19	10	40	66	-	28	88
912	E.M. Forehand	12	Mar. 13, 1936	1,452	272	42	167	366	572	216	855
913	W.L. Pulley	47	do.	1,829	356	25	234	238	730	365	993
914	Mrs. A. Bowman	43	do.	1,867	301	32	366	408	214	750	884

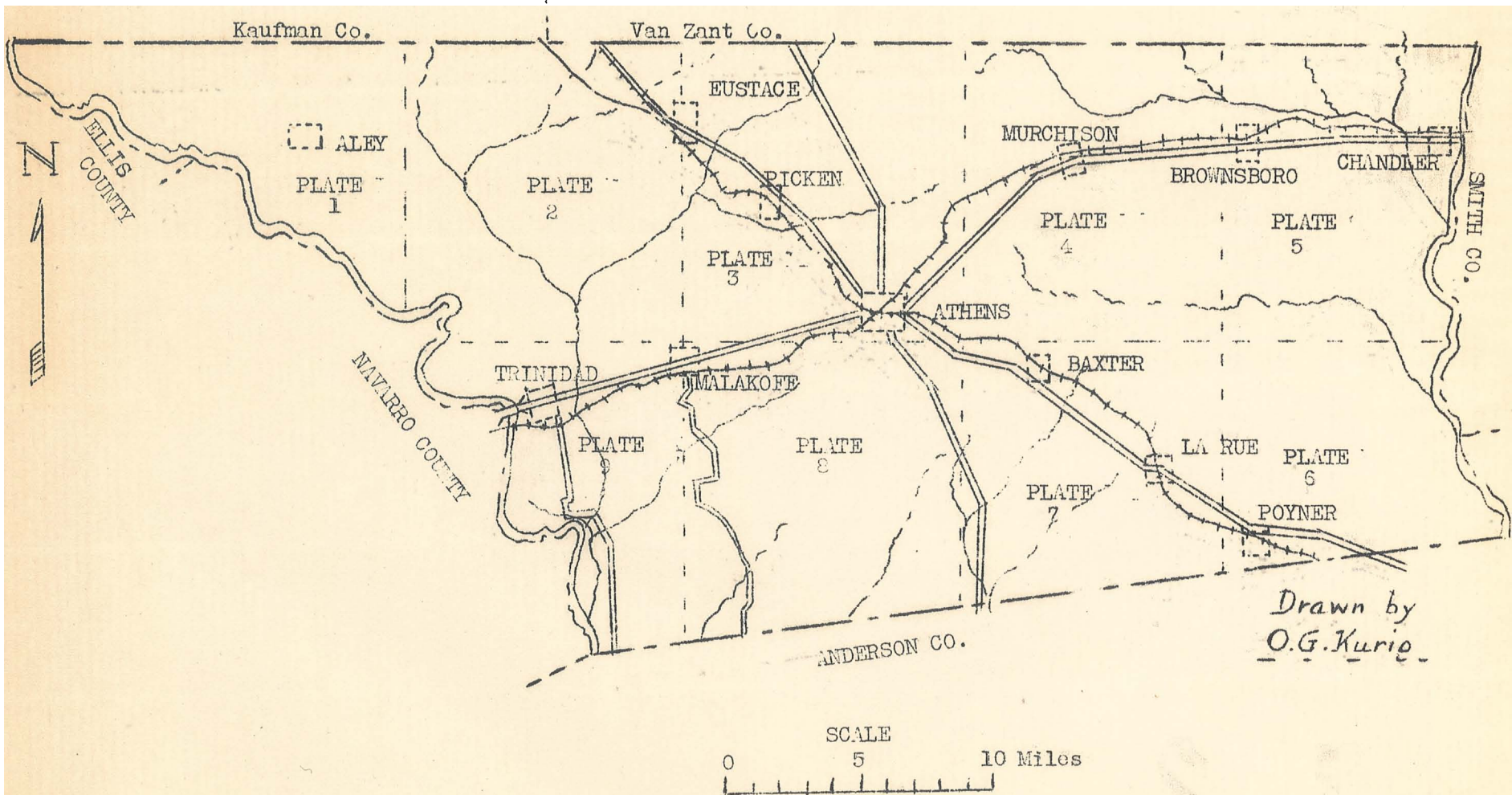
a/ Sulphate less than 5 parts per million.

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

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 Ca CO ₃ (calculated)
917	Celia Parker	30	Mar.10,1936	612	83	23	113	360	136	77	300
920	W.M. Bradley	15	Mar.20,1936	156	17	3	43	122	a/	32	55
921	Lone Star Gas Co.	450	Mar.23,1936	421	4	-	170	330	8	74	10
922	Trinidad School	30	Feb.17,1936	197	66	4	1	159	29	18	182
923	C.R. Johnston	29	Feb. 7,1936	184	72	-	-	146	a/	39	182
924	Mrs. Lula Hammett	30	do	218	60	14	3	146	a/	68	208
926	J.P. Nicholson	25	do	797	111	11	188	500	39	198	321
927	H. P. Barton	32	Apr.13,1936	2,161	272	165	161	122	1,380	122	136
928	Dwight Carson	105	Mar.24,1936	1,504	170	75	240	6	486	530	736
929	C.S. McAllister	5	Apr.13,1936	1,389	138	34	318	220	314	475	484
930	W.P.A. test well	12	Mar.20,1936	664	201	8	31	408	114	106	536
932	do	12	do	811	-	-	-	714	97	53	-
933	J.A. Jackson	46	Mar.23,1936	-	-	-	-	317	47	23	-
936	Trinity Farms Co.	1,330	Mar.27,1936	865	-	-	337	536	a/	260	-
937	M.O. Kinnebrew	32	do	-	-	-	-	342	16	41	-

a/ Sulphate less than 5 parts per million.

INDEX MAP OF HENDERSON COUNTY, TEXAS, SHOWING AREAS COVERED BY PLATES 1, 2, 3, 4, 5, 6, 7, 8, and 9.



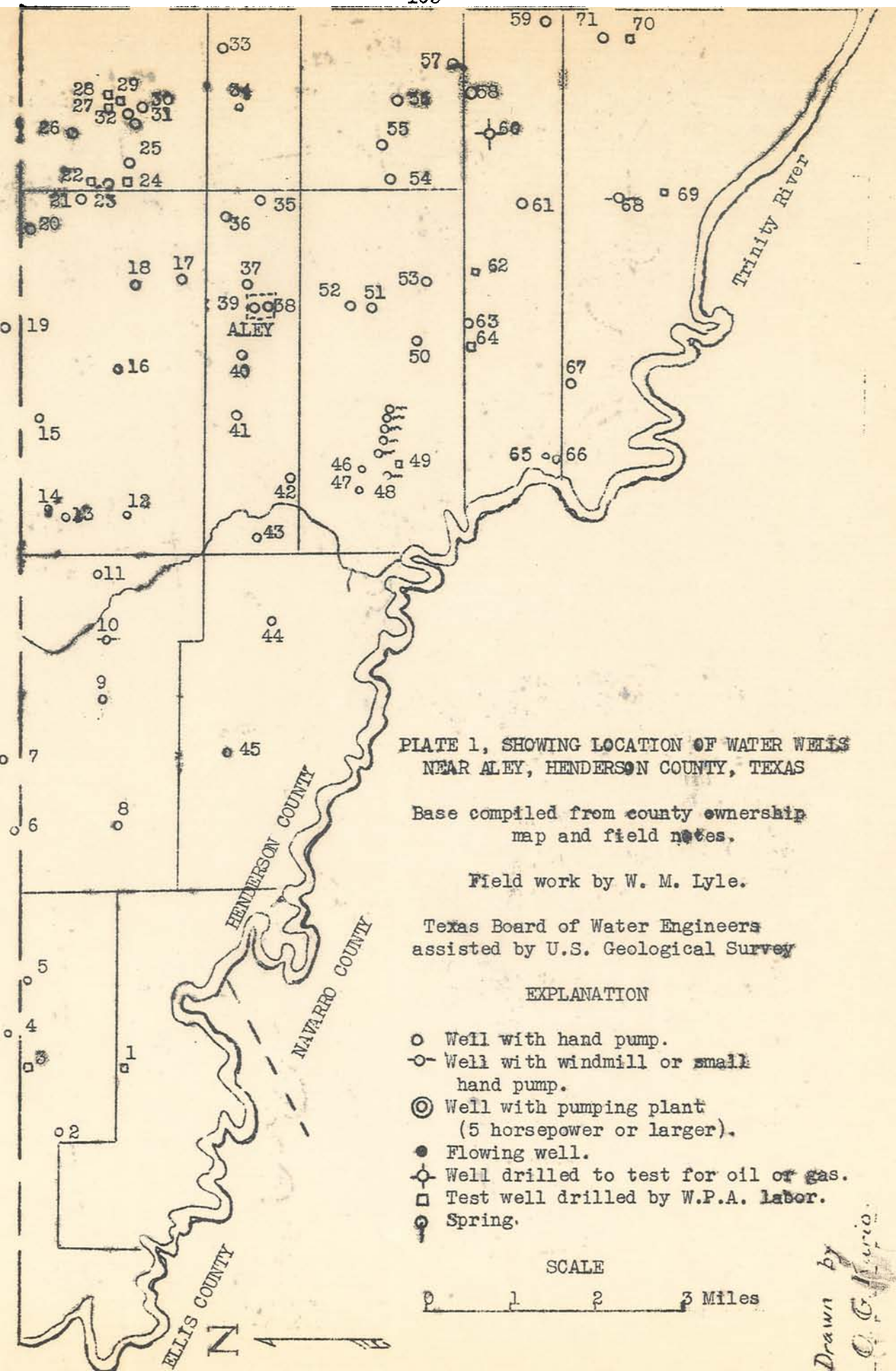


PLATE 1, SHOWING LOCATION OF WATER WELLS
NEAR ALEY, HENDERSON COUNTY, TEXAS

Base compiled from county ownership
map and field notes.

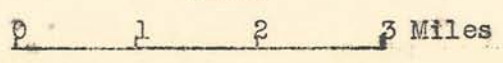
Field work by W. M. Lyle.

Texas Board of Water Engineers
assisted by U.S. Geological Survey

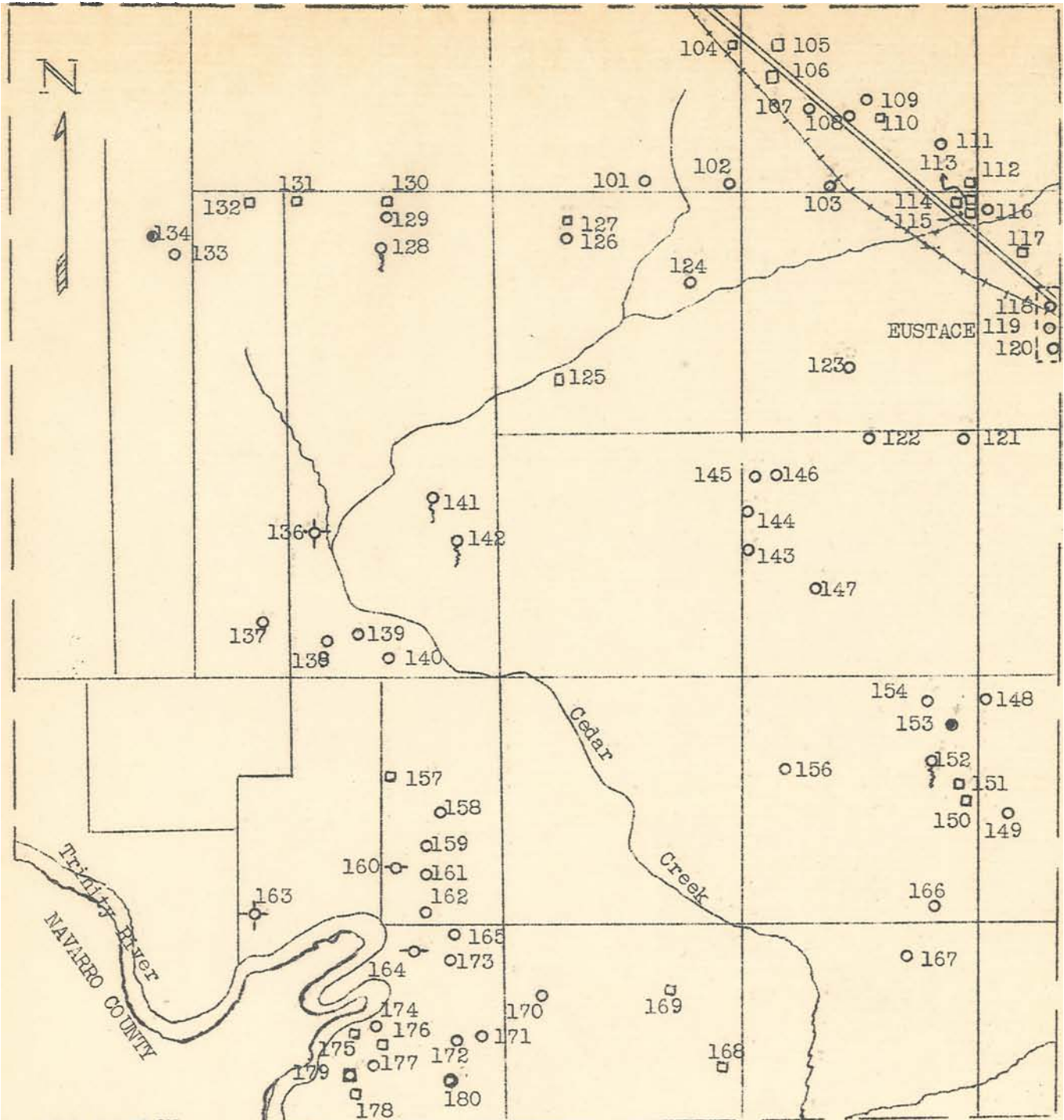
EXPLANATION

- Well with hand pump.
- ◌ Well with windmill or small hand pump.
- ⊙ Well with pumping plant (5 horsepower or larger).
- Flowing well.
- ⊕ Well drilled to test for oil or gas.
- ◻ Test well drilled by W.P.A. labor.
- ⚓ Spring.

SCALE



Drawn by
O. C. Curcio



EXPLANATION

- Well with hand pump.
- ◊ Well with windmill or small power pump.
- ⊙ Well with pumping plant (5 horsepower or larger)
- Flowing well
- ⊕ Well drilled to test for oil or gas
- Test well drilled by W.P.A. labor
- ♀ Spring

PLATE 2, SHOWING LOCATION OF WATER WELLS NEAR EUSTACE , HENDERSON COUNTY, TEXAS

Base compiled from county ownership map and field notes

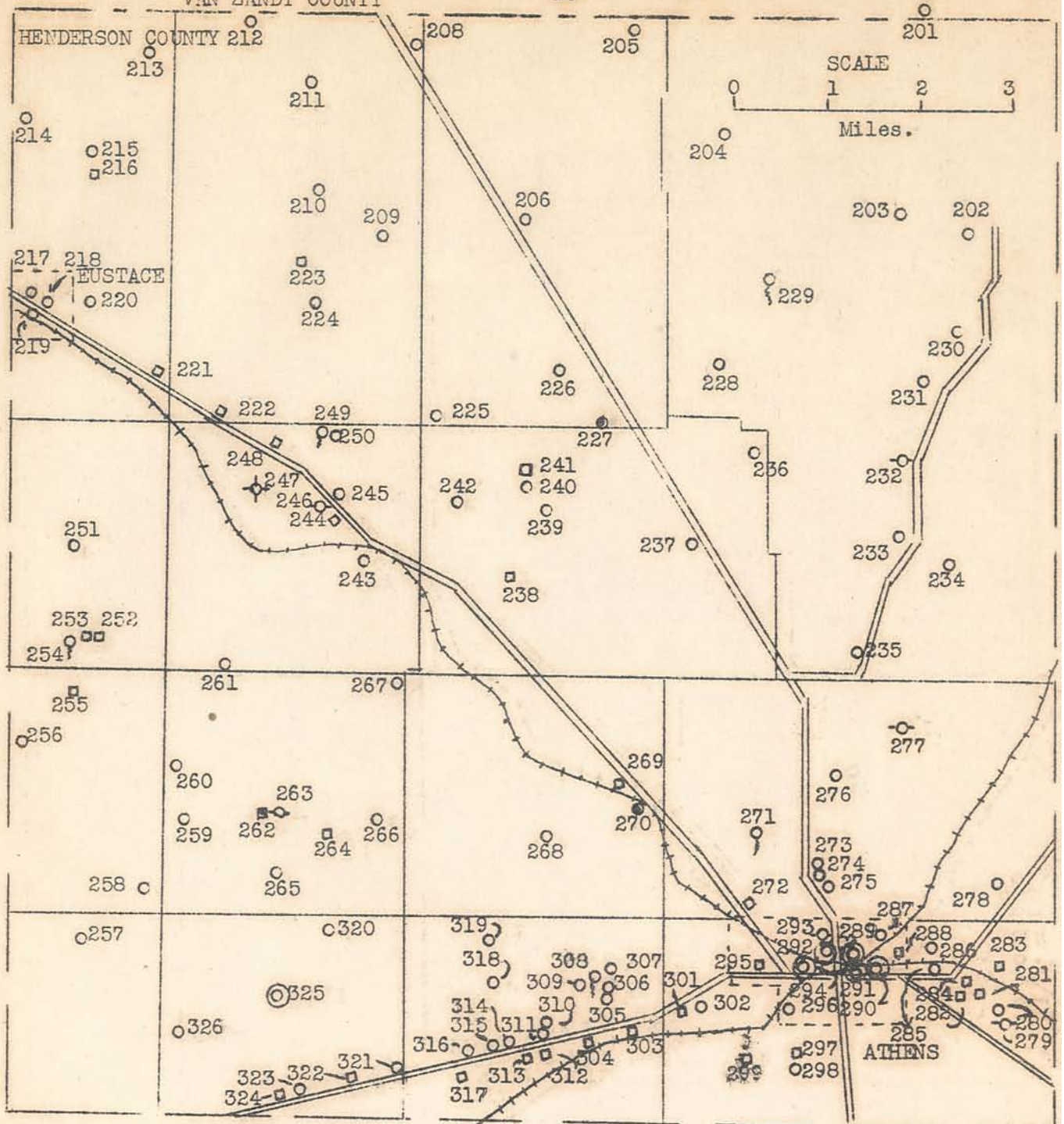
Field work by W. M. Lyle

SCALE

0 1 2 3 Miles.

Texas Board of Water Engineers assisted by U.S. Geological Survey

Drawn by O.G. Kurio.



EXPLANATION

- Well with hand pump.
- Well with windmill or small power pump.
- ⊙ Well with pumping plant (5 horsepower or larger)
- Flowing well.
- ⊕ Well drilled to test for oil or gas.
- Test well drilled by W.P.A. labor.
- ♀ Spring.

PLATE 3, SHOWING LOCATION OF WATER WELLS NEAR ATHENS, HENDERSON COUNTY, TEXAS

Base compiled from county ownership map and field notes

Field work by W. M. Lyle

Texas Board of Water Engineers assisted by U. S. Geological Survey

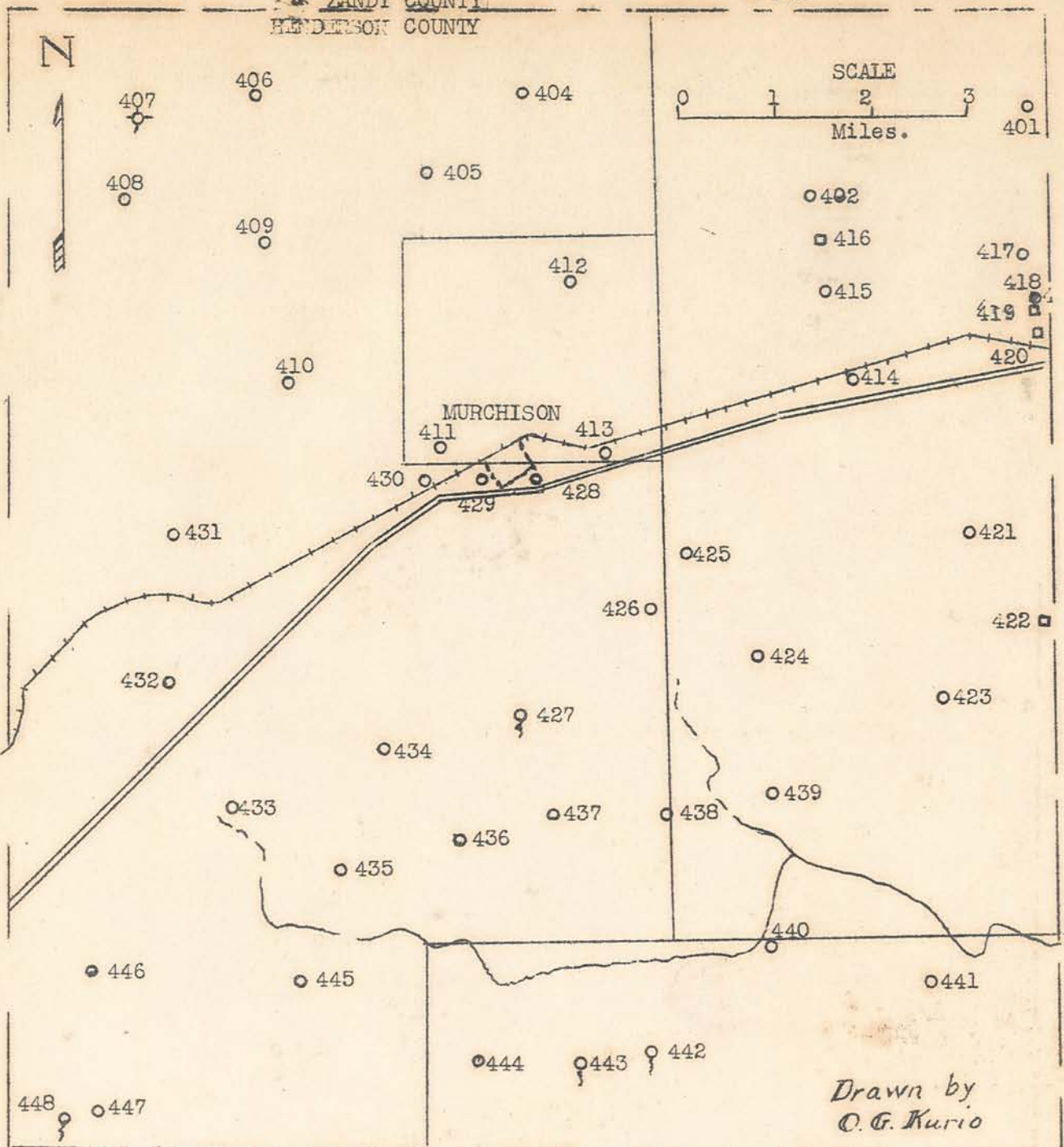
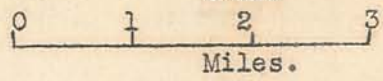
Drawn by
O.G. Kurio.

VAN ZANDT COUNTY
HENDERSON COUNTY

403

N

SCALE



Drawn by
O. G. Kurio

EXPLANATION

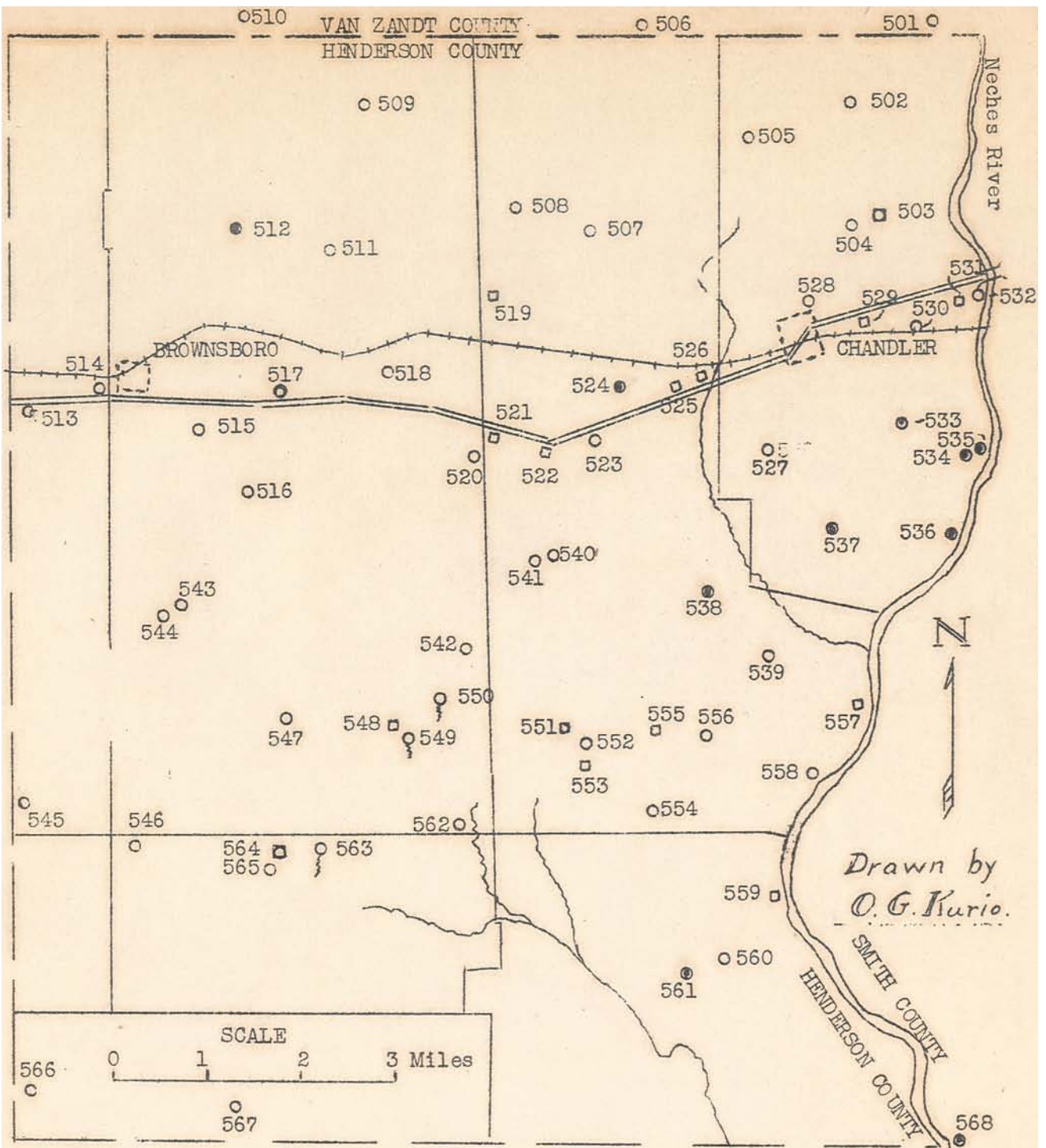
- Well with hand pump.
- Well with windmill or small power pump.
- ⊙ Well with pumping plant (5 horsepower or larger).
- Flowing well.
- ⊕ Well drilled to test for oil or gas.
- ▣ Test well drilled by W. P. A. labor.
- ♀ Spring.

PLATE 4, SHOWING LOCATION OF WATER WELLS
NEAR MURCHISON, HENDERSON COUNTY, TEXAS

Base compiled from county ownership map
and field notes

Field work by W. M. Lyle

Texas Board of Water Engineers
assisted by U. S. Geological Survey.



EXPLANATION

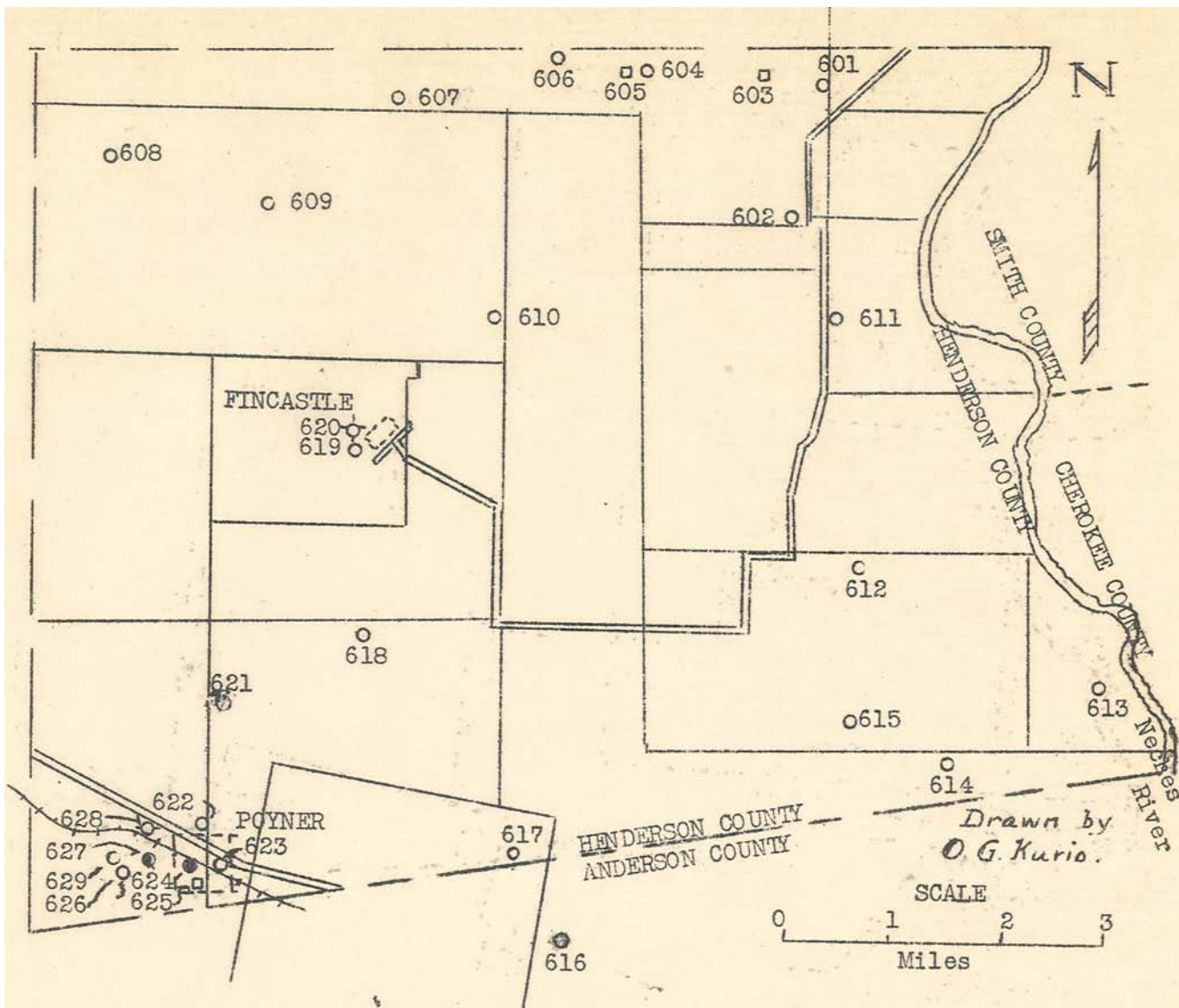
- Well with hand pump.
- Well with windmill or small power pump
- ⊙ Well with pumping plant (5 horsepower or larger).
- Flowing well
- ⊕ Well drilled to test for oil or gas.
- Test well drilled by W. P. A. labor.
- ⊙ Spring.

PLATE 5, SHOWING LOCATION OF WATER WELLS NEAR CHANDLER, HENDERSON COUNTY, TEXAS

Base compiled from county ownership map and field notes.

Field work by W. M. Lyle.

Texas Board of Water Engineers assisted by U. S. Geological Survey.



EXPIANATION

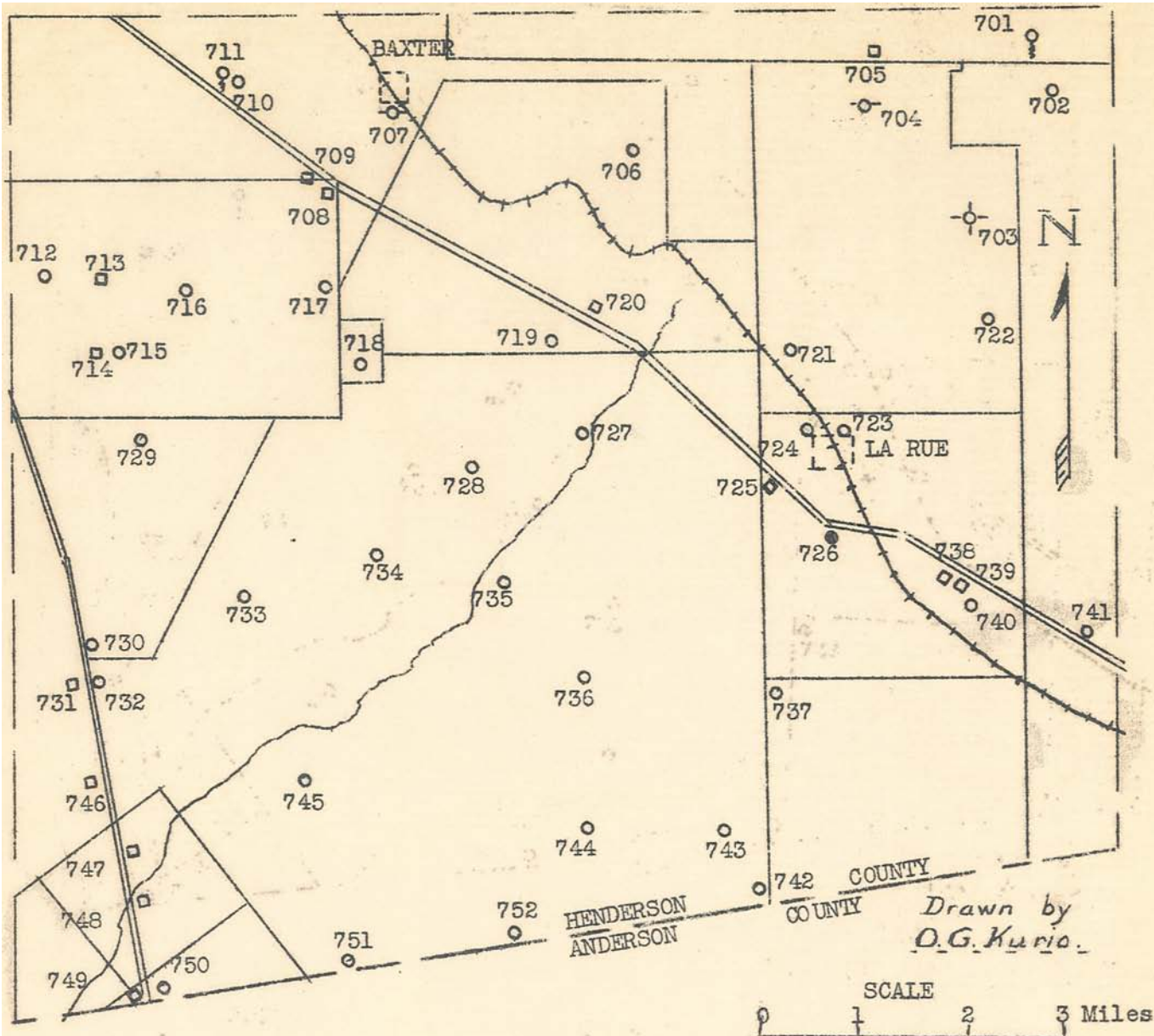
- Well with hand pump.
- Well with windmill or small power pump.
- ⊙ Well with pumping plant (5 horsepower or larger).
- Flowing well.
- ⊕ Well drilled to test for oil or gas
- Test well drilled by W. P. A. labor
- ♀ Spring.

PLATE 6, SHOWING LOCATION OF WATER WELLS NEAR POYNER, HENDERSON COUNTY, TEXAS

Base compiled from county ownership map and field notes.

Field work by W. M. Lyle.

Texas Board of Water Engineers assisted by U. S. Geological Survey.



EXPLANATION

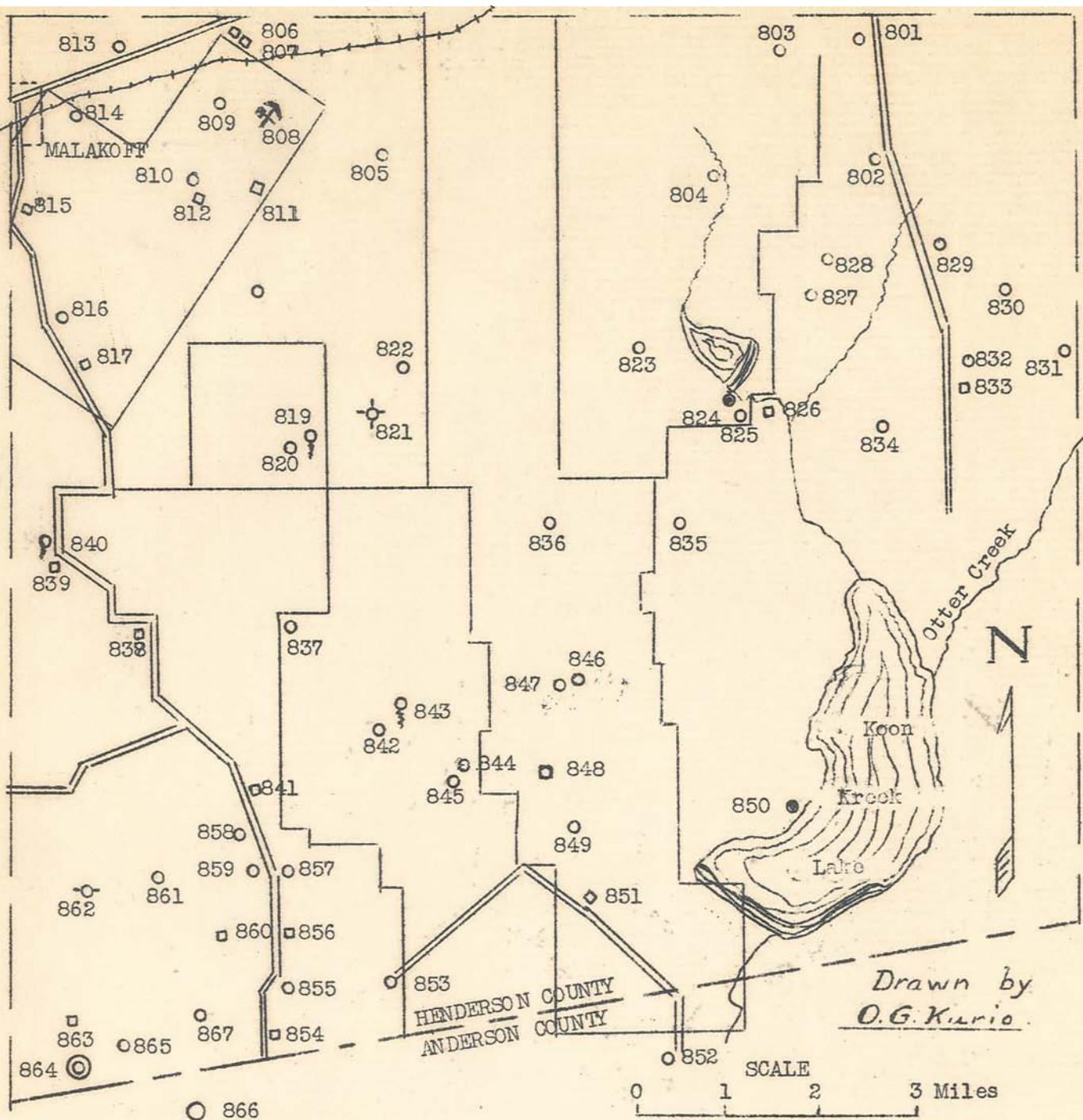
- Well with hand pump
- ◌ Well with windmill or small power pump.
- ⊙ Well with pumping plant (5 horsepower or larger)
- Flowing well.
- ⊕ Well drilled to test for oil or gas.
- ◻ Test well drilled by W. P. A. labor.
- ⊕ Spring

PLATE 7, SHOWING LOCATION OF WATER WELLS NEAR LA RUE, HENDERSON COUNTY, TEXAS

Base compiled from county ownership map and field notes.

Field work by W. M. Lyle.

Texas Board of Water Engineers assisted by U. S. Geological Survey.



- EXPLANATION**
- Well with hand pump.
 - ◐ Well with windmill or small power pump.
 - ⊙ Well with pumping plant (5 horsepower or larger).
 - Flowing well.
 - ◌ Well drilled to test for oil or gas.
 - ◻ Test well drilled by W. P. A. labor.
 - ⊕ Spring.
 - ⚡ Mine.

PLATE 8, SHOWING LOCATION OF WATER WELLS NEAR MALAKOFF, HENDERSON COUNTY, TEXAS.

Base compiled from county ownership map and field notes.

Field work by W. M. Lyle.

Texas Board of Water Engineers assisted by U. S. Geological Survey

Drawn by
O.G. Kario.

