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OCHILTREE COUNTY, TEXAS

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

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Works Progress Administration Project 10736
by Lloyd G. Davis

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Analyses made and report mimeographed by
WORKS PROGRESS ADMINISTRATION
Project 10443

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Sponsored by the State Board of Water Engineers with the United States Department of the Interior, Geological Survey, and the Bureau of Industrial Chemistry of the University of Texas cooperating.

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Austin, Texas
June 20, 1939

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Introduction
by
Samuel F. Turner
Associate Hydraulic Engineer
United States Department of the Interior
Geological Survey

This publication contains data obtained in the course of a survey in Ochiltree County, Texas, consisting of records of wells, logs of wells and test holes, and analyses of water from wells. The location of all wells and test holes are shown on a map in the back of the book.

This survey (project 10736 of Works Progress Administration District 16, Amarillo) was a part of the State-wide inventory of water wells sponsored by the State Board of Water Engineers in cooperation with U. S. Department of the Interior, Geological Survey. It was started September 28, 1938 and completed March 16, 1939. L. G. Davis, an engineer, was project superintendent. The office of the Works Progress Administration in Amarillo gave valuable aid to the project, and the Ochiltree County Commissioners' Court cooperated by furnishing transportation for the workers.

The analyses were made by chemists employed on Works Progress Administration project 10443 under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry of The University of Texas, and E. W. Lohr, Chemist, of the Quality of Water Division of the Geological Survey; the Bureau of Industrial Chemistry furnished laboratory space and equipment. This release was typed by typists employed on that project.

The records serve as a guide to land owners and well drillers who need information regarding wells, the depth to ground water in different parts of the county, and the quantity and quality of water yielded by wells. They afford a basis for the more intensive investigation that is now being carried on by the State Board of Water Engineers in cooperation with the Geological Survey, the purpose of which is to determine the distribution and extent of the available ground-water supplies and the safe yield of the underground reservoirs.

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

No.	Distance from Perryton	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
d/ 1	15 miles northwest	NE $\frac{1}{2}$ NW $\frac{1}{4}$	W. M. Wilmoth sur.	Johnson & Houghland	--	1916	150	5-5/8
d/ 2	14 miles west	SE $\frac{1}{2}$ SW $\frac{1}{4}$	do.	do.	John Rogers	1916	150	5-5/8
d/ 3	14 $\frac{1}{2}$ miles west	NW $\frac{1}{2}$ NE $\frac{1}{2}$	H. C. Day sur.	Nelson M. Willard	-- Willbanks	1913	60	6
d/ 4	13 $\frac{1}{2}$ miles west	2, SW $\frac{1}{2}$ NE $\frac{1}{4}$	G.H.& H. R.R., blk. 4	do.	do.	1912	90	6
5	14 $\frac{1}{2}$ miles west	1, NW $\frac{1}{2}$ SE $\frac{1}{4}$	do.	do.	--	-- Spring	--	--
6	15 miles west	14, SW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	C. J. Frantz	Henry Bushman	1930	285	4 $\frac{1}{2}$
7	15 $\frac{1}{2}$ miles west	31, NW $\frac{1}{2}$ NW $\frac{1}{4}$	H. & T.C. R.R., blk. 45	Grover Brillhart	-- Willbanks	1938	218	8 $\frac{1}{2}$
8	13 miles west	13, SE $\frac{1}{2}$ SE $\frac{1}{4}$	G.H.& H. R.R., blk. 4	Homer Gurley	Homer Gurley	1930	256	4 $\frac{1}{2}$
9	11 miles west	18, NE $\frac{1}{2}$ NE $\frac{1}{4}$	do.	Lillie Jewel	--	1913	240	4 $\frac{1}{2}$
d/ 10	10 miles west	23, SW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	S. F. Tevis	--	--	271	4 $\frac{1}{2}$
d/ 11	8 $\frac{1}{2}$ miles west	22, NW $\frac{1}{2}$ NE $\frac{1}{4}$	do.	W. B. Lamaster	--	--	254	6
12	8 miles west	26, SE $\frac{1}{2}$ SE $\frac{1}{4}$	blk. Z	A. L. Buzzard	-- Dietrick	--	239	5
13	10 miles west	6, NE $\frac{1}{2}$ NE $\frac{1}{4}$	G.H.& H. R.R., blk. 4	S. R. McLure	--	--	206	4 $\frac{1}{2}$
14	do.	SE $\frac{1}{2}$ SW $\frac{1}{4}$	T. Tomlinson sur.	Johnson & Houghland	--	1918	225	5-5/8
15	11 $\frac{1}{2}$ miles west	5, NW $\frac{1}{2}$ NW $\frac{1}{4}$	G.H.& H. R.R., blk. 4	Alliance Life Ins. Co.	Henry Bushman	1929	240	4 $\frac{1}{2}$
16	12 miles northwest	6, NW $\frac{1}{2}$ SE $\frac{1}{4}$	Anthony McGee sur.	Johnson & Houghland	--	1916	200	5-5/8
17	13 miles northwest	8, NW $\frac{1}{2}$ SE $\frac{1}{4}$	do.	do.	-- Carbage	1920	360	5-3/8
18	12 miles northwest	5, NW $\frac{1}{2}$ NW $\frac{1}{4}$	blk. Z	Adam Thompson	--	--	50	4 $\frac{1}{2}$
d/ 19	10 $\frac{1}{2}$ miles northwest	4, NW $\frac{1}{2}$ SE $\frac{1}{4}$	J. Edwards sur.	Johnson & Houghland	--	--	257	6
d/ 20	8 miles northwest	29, SE $\frac{1}{2}$ SW $\frac{1}{4}$	blk. Z	Elizabeth Grantham	--	--	264	4 $\frac{1}{2}$
21	7 miles northwest	13, S $\frac{1}{2}$ NE $\frac{1}{4}$	do.	A. F. Bond	Arthur Pearson	1930	230	5 $\frac{1}{2}$
22	6 $\frac{1}{2}$ miles north	11, SW $\frac{1}{2}$ NE $\frac{1}{4}$	do.	Mrs. Hattie Newman	do.	1927	245	3
d/ 23	5 miles north	13, SW $\frac{1}{2}$ SW $\frac{1}{4}$	W. Ahrenbeck & Bro., blk. 11	S. R. George	--	1914	256	4 $\frac{1}{2}$
24	4 $\frac{1}{2}$ miles northwest	52, NE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	Robert Lawrence	--	--	300+	4 $\frac{1}{2}$

a/ Measuring point was usually top of casing or top of pipe clamp.

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

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

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
1	--	130	e/	C,W	S	Near draw	Cased to bottom.
2	--	130	e/	C,W	S	do.	Do.
3	--	40	e/	C,W	S	do.	Do.
4	--	50	e/	C,W	S	do.	Cased to bottom. Water from sand.
5	--	Flows	Nov. 1, 1938	None	D,S	In draw	Small pool in draw supplied by seeps. Known as "Wampus Cat Springs."
6	--	255	e/	C,W	D,S	Gentle slope	Cased to 280 feet; perforated at bottom. Water from coarse gravel.
7	1	197.8	Oct. 15, 1938	C,W	S	Near draw	Water level measured while windmill pumping.
8	0.2	223.4	do.	C,W	D,S	do.	Cased to bottom.
9	0.5	225.6	do.	C,W	D,S	Flat	Water level measured while windmill pumping.
10	1.8	236.2	do.	C,W	N	do.	
11	1.4	238.5	Oct. 6, 1938	C,W	N	do.	
12	0.3	235.4	do.	C,W	D,S	do.	Reported blows air or gas at times.
13	--	156	e/	C,W	D,S	Gentle slope	Cased to bottom; perforated at bottom.
14	--	205	e/	C,W	D,S	Hilltop	Do.
15	0.2	223.7	Nov. 1, 1938	C,W	D,S	Flat	Cased to bottom. Water from coarse gravel.
16	--	175	e/	C,W	D,S	Gentle slope	Cased to bottom.
17	--	270	e/	C,W	D,S	do.	Cased to 300 feet.
18	--	42	e/	C,W	D,S	Creek bottoms	Cased to bottom; perforated below 40 feet.
19	1.6	148.5	Oct. 14, 1938	C,W	N	Near draw	
20	0	245.5	Oct. 13, 1938	C,W	N	do.	
21	--	200	e/	C,W	D,S	Ridge-top	Cased to bottom; screened below 242 feet. Equipped with frost box.
22	0.3	236.1	Oct. 11, 1938	C,W	D,S	Flat	Cased to bottom.
23	0	236.1	Dec. 28, 1938	None	N	do.	Cased to bottom; perforated below 246 feet.
24	0.9	241.6	Oct. 13, 1938	C,W	D,S	do.	

c/ D, domestic; S, stock; I, irrigation; P, public; Of, oil field; N, not used.
d/ No water sample collected for analysis.
e/ Water level reported.

Records of wells and springs in Ochiltree County--Continued

No.	Distance from Perryton	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
25	4 miles northwest	38, SE $\frac{1}{4}$ SW $\frac{1}{4}$	W. Ahrenbeck & Bro., blk. 11	J. H. Key	-- Morrison	1922	285	4
34	7 $\frac{1}{2}$ miles northwest	103, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Nora N. Condon	--	1920	280	6
35	7 $\frac{1}{2}$ miles west	106, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	John Budock	--	1918	265	5
36	6 $\frac{1}{2}$ miles west	109, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Frank Chambers	J. R. Anderson	1913	290	5
37	5 miles west	88, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	G. T. McLarty	--	1914	295	4 $\frac{1}{2}$
38	4 $\frac{1}{2}$ miles west	70, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	J. W. Short	J. R. Anderson	1913	240	6
54	2 $\frac{1}{2}$ miles southwest	44, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	J. H. Halsey	Arthur Pearson	1929	331	6
55	1 $\frac{1}{2}$ miles west	25, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	S. R. George	--	1923	315	4 $\frac{1}{2}$
56	In Perryton	3, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	City of Perryton	-- Doddy	1927	400	14
57	do.	do.	do.	do.	do.	1927	400	14
58	2 miles north	5, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	E. T. R. Affleck	--	--	255	4 $\frac{1}{2}$
101	7 miles north	21, SW $\frac{1}{4}$ SE $\frac{1}{4}$	blk. Z	H. N. Evans	--	1911	250	6
112	5 miles northeast	130, NW $\frac{1}{4}$ NW $\frac{1}{4}$	S. P. R. R., blk. 10	C. E. McGarrough	--	1899	263	8
103	2 $\frac{1}{2}$ miles north	1,188, NE $\frac{1}{4}$ NE $\frac{1}{4}$	H. & T. C. R. R., blk. 43	J. D. Copeland	-- Cabbage	1917	274	5 $\frac{1}{2}$
107	2 $\frac{1}{4}$ miles northeast	1,102, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	G. R. Wilson	Arthur Pearson	1913	263	6
123	1 $\frac{1}{4}$ miles east	1,014, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Mrs. T. M. Dwight	Joe Julison	1923	312	6
124	2 $\frac{1}{2}$ miles southeast	1,010, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	M. L. Brillhart	-- Brillhart	1887	227	4 $\frac{1}{2}$
d/125	2 miles south	1,012, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Mrs. A. F. Cutter	--	--	--	4 $\frac{1}{2}$
126	4 $\frac{1}{4}$ miles south	923, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	D. F. & Harold Osborne	--	1912	240	4 $\frac{1}{2}$
d/126a	3 $\frac{1}{2}$ miles south	923, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	-- Bowen	Standard Development Co.	--	890	--
d/134	5 $\frac{1}{2}$ miles south	836, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Agnes Morgan	--	--	295	5
135	6 $\frac{1}{2}$ miles south	749, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	H. C. Dodson	--	1914	270	6
140	6 $\frac{1}{2}$ miles southeast	834, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	John Clapp	1905	228	5
141	4 $\frac{1}{2}$ miles southeast	921, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	S. L. Brillhart	--	1920	240	5
147	7 $\frac{1}{2}$ miles southeast	754, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Carl Ellis	--	1895	237	6
148	7 miles east	1,006, SW $\frac{1}{4}$ SE $\frac{1}{4}$	H. & T. C. R. R., blk. 43	Mrs. G. H. Murphy	Ace Kile	1914	312	4 $\frac{1}{2}$

L. G. Davis, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
25	--	245	e/	C, W	D, S, I	Rolling	Cased to bottom; perforated below 255 feet. Irrigates small garden.
34	--	250	e/	C, W	D, S	Flat	Cased to bottom. Water from coarse gravel.
35	--	249	e/	C, W	D, S	do.	Cased to 26 ⁰ feet. Reported drill-er packed three feet of gravel in
36	0.7	269.4	Oct. 5, 1938	C, W	S	do.	Water level measured bottom of well, while windmill pumping.
37	--	255	e/	C, W	D, S	do.	Reported fine-grained sand at 245 feet.
38	--	200	e/	C, W	D, S	do.	Cased to 235 feet.
54	--	241	e/	C, W	D, S	do.	Cased to bottom.
55	--	247	e/	C, W	D, S	do.	Cased to 287 feet; perforated below 267 feet.
56	--	247	e/	T, E, 35	P	do.	Cased to bottom. Reported 12 feet drawdown after pumping 3 ⁰⁰ gallons a
57	--	247	e/	T, E, 40	P	do.	Cased to minute for several hours, bottom. Reported altitude, 2,942 feet. Sand from 247 to 400 feet.
58	--	246	e/	C, W	D, S	do.	Galvanized casing. Reported weak supply.
101	--	235	e/	C, W	D, S	do.	Casing perforated at bottom.
102	--	251	e/	C, W	D, S	do.	Cased to bottom; perforated below 223 feet.
103	--	259	e/	C, W	D, S	do.	Cased to bottom.
107	--	245	e/	C, W	D, S	do.	Do.
123	--	262	e/	C, W	D, S	do.	Do.
124	--	217	e/	C, W	D, S, I	do.	Dug well; later filled around casing. Cased to bottom; perforated below
125	--	--	--	C, W	N	do.	217 feet.
126	--	225	e/	C, W	D, S	do.	Galvanized casing. Water from gravel and sand.
126a	--	--	--	None	N	--	See log.
134	0.5	261.9	Oct. 1, 1938	C, W	N	Flat	f/
135	--	230	e/	C, W	D, S	do.	Cased to 265 feet.
140	0.5	218.9	Oct. 1, 1938	C, W	D, S	Gentle slope	f/
141	--	220	e/	C, W	D, S	Flat	Cased to bottom. Water from gravel and sand.
147	--	192	e/	C, W	D, S	Gentle slope	Cased to bottom.
148	--	282	e/	C, W	S	Flat	Do.

f/ For further water levels see Water-Supply Paper 840, Water levels and artesian pressure in observation wells in the United States in 1937, Ochiltree County section, p. 484. Well 134--Well 2. Well 140--Well 3.

Records of wells and springs in Ochiltree County--Continued

No.	Distance from Perryton	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
149	7 miles southeast	918, NW $\frac{1}{4}$ NE $\frac{1}{4}$	H. & T. C. R. R., blk. 43	R. P. Garrison	--	1900	250	5 $\frac{1}{2}$
150	9 miles southeast	844, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	B. S. Ellis	--	1903	240	6
151	10 $\frac{1}{2}$ miles southeast	757, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	R. H. Francis	--	1910	240	5
152	11 miles southeast	827, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Lena Lambert	--	--	221	4 $\frac{1}{2}$
153	14 miles southeast	823, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Alliance Life Ins. Co.	--	--	31	4
154	14 miles east	911, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	T. H. Halliburton	--	1925	150	4 $\frac{1}{2}$
155	13 miles east	937, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Henry Helfenbien	--	1933	247	6
156	12 miles east	913, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	G. F. Linsey	--	--	254	6
157	13 miles east	1,025, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Robt. Pinkerton	--	1915	220	3
158	12 miles east	1,089, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	J. J. Sell	--	1926	250	6
159	10 miles east	1,002, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	H. Holdeman	Arthur Pearson	1938	301	4 $\frac{1}{2}$
160	9 miles east	1,004, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	W. L. Anderson	do.	1950	280	5-5/8
d/161	do.	1,022, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	J. B. Cartwright	--	1898	275	5
162	10 miles east	1,091, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	S. P. Whippo	--	1918	240	6
163	do.	1,110, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	A. E. Devers	--	1930	260	6
164	8 miles east	1,109, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Jennie M. Bollinger	--	1908	236	4 $\frac{1}{2}$
165	6 $\frac{1}{2}$ miles east	1,107, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	N. W. Willard	-- Morrison	1920	265	4
166	7 miles east	1,020, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Mrs. G. H. Murphy	J. A. Jones	1910	240	5
167	6 miles east	1,019, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	do.	--	1914	260	4 $\frac{1}{2}$
168	5 miles east	1,095, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	R. J. Barlow	Arthur Pearson	1928	283	4 $\frac{1}{2}$
169	4 miles east	1,017, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Russ Thomas	--	1898	270	6
173	5 $\frac{1}{2}$ miles northeast	1,183, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	M. H. Crum	--	1920	240	6
d/174	4 $\frac{1}{2}$ miles northeast	136, SE $\frac{1}{4}$ SE $\frac{1}{4}$	S. P. R. R., blk. 10	J. O. Carter	--	--	251	4 $\frac{1}{2}$
175	6 miles northeast	128, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	T. E. Towell	--	--	246	4 $\frac{1}{2}$
176	7 miles northeast	41, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Nora M. Condon	--	1915	240	6
177	9 miles northeast	3, NW $\frac{1}{4}$ NW $\frac{1}{4}$	blk. Z	Omer G. Prewett	John Jones	1918	240	4
178	10 $\frac{1}{2}$ miles northeast	36, SE $\frac{1}{4}$ NE $\frac{1}{4}$	S. P. R. R., blk. 10	John H. Lawson	A. C. Kile	1915	269	5

L. G. Davis, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
149	--	230	e/	C, W	D, S	Flat	Cased to bottom.
150	--	210	e/	C, W	D, S	do.	Do.
151	--	228	e/	C, W	D, S	do.	Do.
152	1	191.9	Oct. 21, 1938	C, W	S	Near draw	Casing perforated at bottom.
153	0	23.3	Nov. 30, 1938	C, W	D, S	Creek bottoms	Water level measured while windmill pumping.
154	--	110	e/	C, W	D, S	Near draw	Cased to bottom; perforated below 140 feet.
155	--	175	e/	C, W	D, S	Gentle slope	Cased to bottom. Water from sand, 240 to 247 feet.
156	--	194	e/	C, W	D, S	Flat	Cased to bottom.
157	--	180	e/	C, W	D, S	do.	Do.
158	--	175	e/	C, W	D, S	Near draw	Cased to bottom; lower portion perforated.
159	--	236	e/	C, W	D, S	Flat	Cased to bottom; perforated below 289 feet.
160	--	235	e/	C, W	D, S	Gentle slope	Cased to bottom; lower portion perforated.
161	--	245	e/	C, W	D, S	Hilltop	Cased to bottom. Water from coarse grained sand.
162	--	210	e/	C, W	D, S	Flat	Cased to bottom.
163	--	200	e/	C, W	D, S	Near draw	Cased to bottom; perforated below 240 feet. Water from small gravel.
164	--	218	e/	C, W	D, S	Gentle slope	Cased to bottom; lower 10 feet perforated.
165	--	225	e/	C, W	D, S	Flat	Do.
166	--	228	e/	C, W	S	do.	Galvanized casing, top to bottom.
167	--	230	e/	C, W	D, S	do.	Cased to bottom.
168	--	228	e/	C, W	D, S	do.	Do.
169	--	150	e/	C, W	D, S	do.	Do.
173	--	200	e/	C, W	D, S	do.	Do.
174	0.9	219.8	e/	C, W	D, S	do.	Do.
175	0.5	235.8	Nov. 17, 1938	C, W	D, S	do.	Do.
176	--	230	e/	C, W	D, S	do.	Cased to bottom; lower 10 feet perforated.
177	--	232	e/	C, W	D, S	do.	Do.
178	--	225	e/	C, W	D, S	do.	Cased to bottom; lower 20 feet perforated.

Records of wells and springs in Ochiltree County--Continued

No.	Distance from Perryton	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
179	9 miles northeast	52, SE ¹ NE ¹	S. P. R. R., blk. 10	W. P. Stallings	--	--	290	6
180	8 $\frac{1}{2}$ miles northeast	125, SE ¹ SE ¹	do.	J. L. Hunter	August Neiman	1906	269	4 $\frac{1}{2}$
181	7 $\frac{1}{2}$ miles east	1,181, NW ¹ NW ¹	H. & T. C. R. R., blk. 43	Mrs. J. D. Wade	--	--	260	5
182	8 miles east	1,181, SE ¹ NE ¹	do.	J. W. Day	--	1915	260	5
183	10 $\frac{1}{2}$ miles east	1,178, NE ¹ NW ¹	do.	A. C. Wichman	--	--	255	4
184	10 miles northeast	123, NE ¹ SE ¹	S. P. R. R., blk. 10	John Lawson	--	1910	290	4 $\frac{1}{2}$
185	do.	123, NE ¹ SW ¹	do.	Hunton School District	--	1924	265	4
186	12 miles northeast	34, SW ¹ SE ¹	do.	G. E. Lemon	--	1903	320	6
187	13 miles northeast	32, NW ¹ NW ¹	do.	Roy F. Doerrie	--	--	217	4
188	13 $\frac{1}{2}$ miles east	57, SE ¹ NE ¹	do.	John Sell	--	1926	256	4 $\frac{1}{2}$
189	13 miles east	145, NE ¹ NE ¹	do.	Mrs. Cora Duke	--	--	250	3
190	13 $\frac{1}{2}$ miles east	1,113, NE ¹ NW ¹	H. & T. C. R. R., blk. 43	Morris E. Smith	Morris E. Smith	1930	260	4 $\frac{1}{2}$
201	9 miles south	33, SW ¹ SW ¹	T. & N. O. R. R., blk. 13	Margery H. Bowles	--	--	101	4 $\frac{1}{2}$
224	9 $\frac{1}{2}$ miles south	660, NW ¹ SE ¹	H. & T. C. R. R., blk. 43	Mrs. Laura Jines	--	-- Spring	--	--
225	9 miles south	660, SW ¹ NE ¹	do.	do.	--	--	60	4 $\frac{1}{2}$
226	9 $\frac{1}{2}$ miles south	659, NE ¹ SE ¹	do.	Amon G. Carter	--	1917	60	4 $\frac{1}{2}$
227	10 miles south	575, NE ¹ NW ¹	do.	Sam McLain	Arthur Pearson	1937	68	6
228	10 $\frac{1}{2}$ miles south	576, SW ¹ NE ¹	do.	do.	--	1900	55	5
229	9 miles southeast	664, SE ¹ NW ¹	do.	J. C. Bennett	Arthur Pearson	--	207	4 $\frac{1}{2}$
d/250	11 $\frac{1}{2}$ miles southeast	568, NE ¹ NE ¹	do.	W. L. Herndon, Jr.	--	--	40	4
240	12 miles southeast	567, NW ¹ NE ¹	do.	Walter Keim	--	--	150	4 $\frac{1}{2}$
d/241	do.	568, NE ¹ SE ¹	do.	W. L. Herndon	--	--	61	5
242	13 miles southeast	490, NE ¹ NE ¹	do.	Walter Keim	E. R. Tillbanks	1938	96	4
243	12 $\frac{1}{2}$ miles southeast	566, NW ¹ NW ¹	do.	Mrs. H. J. Kennett	--	1900	54	6
244	do.	579, NE ¹ SE ¹	do.	do.	--	--	42	4
d/244a	12 miles southeast	579, cen.	do.	-- Strickler	W. G. Burton	--	3,770	8
256	14 $\frac{1}{2}$ miles southeast	564, NE ¹ SE ¹	do.	Ochiltree County	--	1894	28	36

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No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power	Use of water	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
180	--	270	e/	C, W	D, S	Ridge-top	Cased to bottom. Reported pumps sand during high winds.
181	--	230	e/	C, W	D, S	do.	Cased to bottom.
182	--	237	e/	C, W	D, S	do.	Do.
183	0.1	248.7	Oct. 21, 1938	C, W	D, S	do.	Do.
183	--	241	e/	C, W	D, S	Flat	Do.
184	0.9	224.7	Dec. 15, 1938	C, W	D, S	do.	Cased to bottom; lower 20 feet perforated.
185	--	235	e/	C, W	D	do.	Do.
186	--	190	e/	C, W	D, S	Ridge-top	Cased to bottom. Coarse sand, 3" to 32" feet.
187	0.4	200.9	Jan. 11, 1939	C, W	D, S	Flat	
188	--	218	e/	C, W	D, S	do.	
189	0.6	193.1	Dec. 31, 1938	C, W	D, S	do.	
190	--	225	e/	C, W	D, S	do.	Cased to bottom; lower 12 feet perforated. Reported struck water at 240 feet.
221	0.5	28.3	Dec. 16, 1938	None	N	Hill-side	Galvanized casing. 240 feet.
224	--	Flows	Oct. 8, 1938	None	S	Creek bottoms	Small pool used for swimming. Known as "Jinos Spring."
225	--	40	e/	C, W	D, S	do.	Cased to bottom.
226	0	43.3	Oct. 26, 1938	C, W	S	do.	Do.
227	1.3	29.9	Dec. 19, 1938	C, W	S	Hill-side	Cased to bottom; lower 12 feet perforated.
228	--	35	e/	C, W	D, S	Creek bottoms	Galvanized casing, top to bottom.
229	0.6	185.5	Nov. 8, 1938	C, W	D, S	Near draw	
230	2	32.6	Nov. 25, 1938	C, W	S	Creek bottoms	
240	0.7	28.4	Nov. 8, 1938	C, W	D, S	do.	Cased to bottom.
241	1	42.4	Dec. 23, 1938	C, W	S	do.	
242	1	72.1	do.	C, W	S	do.	Reported water from coarse sand.
243	1.3	33.9	Oct. 26, 1938	B, H	D	Gentle slope	Do.
244	1	37.9	Dec. 23, 1938	C, W	S	Creek bottoms	
244a	--	--	--	None	N	--	Oil test. See log.
256	1.5	21.2	Oct. 20, 1938	C, W	N	Creek bottoms	Dug well. Wood curb; rock casing.

Records of wells and springs in Ochiltree County--Continued

No.	Distance from Perryton	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
257	14½ miles southeast	564 NE¼SE¼	H. & T. C. R. R., blk. 43	Ochiltree County	--	--	23	4½
258	15 miles southeast	563, SW¼SE¼	do.	Tom V. Ellzey	--	1926	44	4
d/261	14 miles southeast	649, NW¼NW¼	do.	R. H. Francis	--	--	180	4½
d/262	16½ miles southeast	561, SW¼SE¼	do.	Tom V. Ellzey	Arthur Pearson	1937	103	6
d/263	17 miles southeast	497, NE¼NW¼	do.	J. W. Daniels	R. H. Moore	1918	20	4½
270	18 miles southeast	497, SW¼SE¼	do.	J. H. Calliham	--	1913	33	5
271	do.	498, SW¼SW¼	do.	Lillie M. Brook	--	--	35	33
d/271a	18½ miles southeast	471, NE¼	do.	-- Wright	-- McCordle	--	1,580	10
272	do.	409, SW¼NE¼	do.	J. H. Calliham	--	--	163	6
273	20 miles southeast	383, NE¼SW¼	do.	Jack Mahler	--	--	60	3
d/274	20½ miles southeast	296, NE¼NW¼	do.	B. A. Leopold	Dave Wright	1919	27	4
275	21½ miles southeast	233, NW¼NW¼	do.	A. E. Steward, et al	--	--	12	4
276	do.	232, NE¼SW¼	do.	Frank L. Hamilton	--	1917	108	4½
277	22½ miles southeast	209, SW¼SE¼	do.	do.	--	1906	187	3
278	23½ miles southeast	146, NW¼NW¼	do.	W. F. Taylor	--	1910	238	4½
279	25 miles southeast	119, SE¼NE¼	do.	J. R. Brown Est.	--	--	167	4½
d/280	23½ miles southeast	122, NE¼SW¼	do.	J. L. Flowers	--	1910	200	5-5/8
d/281	23½ miles south	53, SW¼NE¼	do.	Mary E. Morrison, et al	W. M. Good	1933	450	5-5/8
d/282	23 miles south	53, NE¼NW¼	do.	A. H. Tandy Est.	do.	1928	407	5-5/8
283	21½ miles southeast	141, SE¼NE¼	do.	May Patton	do.	1917	245	5
d/284	21 miles southeast	212, SW¼SE¼	do.	W. R. Norris	do.	1935	307	6
285	do.	211, NE¼SW¼	do.	W. M. Good	do.	1916	280	5-5/8
286	do.	231, SW¼SW¼	do.	do.	do.	--	202	4½
287	20½ miles southeast	298, SW¼SE¼	do.	C. W. Barker	--	1910	165	6
288	19½ miles southeast	300, SW¼SE¼	do.	W. E. Tandy	--	1915	265	4

a/ Measuring point was usually top of casing or top of pipe clamp.

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

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No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
257	2.1	16.7	Nov. 8, 1938	C,H	D	Creek bottoms	Cased to bottom.
258	0.2	26.4	Oct. 26, 1938	C,W	D,S	do.	Do.
261	1	164.3	Nov. 10, 1938	C,W	N	Near draw	
262	--	30	e/	C,W	D,S	Creek bottoms	Cased to 46 feet. Reported struck water at 30 feet.
263	--	15	e/	C,W	D,S	Flat	Cased to bottom.
270	0.2	23.8	Nov. 28, 1938	C,W	D,S	Creek bottoms	Do.
271	0.3	26.9	do.	B,H	D,S	do.	Dug well. Rock curb and casing.
271a	--	--	--	None	N	--	Oil test. See log.
272	2.7	145.2	Nov. 28, 1938	C,W	D,S	Creek bottoms	Cased to bottom.
273	--	50	e/	C,W	D,S	Flat	Do.
274	--	14	e/	C,W	S	Gentle slope	Do.
275	0.4	4.1	Feb. 3, 1939	C,W	S	Flat	Water from quicksand.
276	--	94	e/	C,W	S	Creek bottoms	Cased to bottom; 10 feet perforated
277	--	183	e/	C,W	D,S	Gentle slope	Reported yield, 5 gallons a minute.
278	0.3	232.2	Nov. 4, 1938	C,W	D,S	do.	Cased to bottom.
279	1.8	143.4	Dec. 29, 1938	C,W	D,S	Creek bottoms	
280	--	185	e/	C,W	D,S	do.	Water from coarse gravel.
281	--	400	e/	C,W	S	Ridge-top	Water from fine-grained sand.
282	--	373	e/	C,W	S	Rolling	Cased to bottom.
283	0.7	234.9	Dec. 29, 1938	C,W	D,S	Near draw	
284	--	280	e/	-E, --	Of	Gentle slope	Cased to bottom; lower 6 feet perforated. Drilled to supply oil base
285	--	240	e/	C,W	D,S	do.	Cased to bottom.
286	0.5	191.6	Nov. 21, 1938	C,W	D,S	do.	Water level measured while windmill pumping.
287	--	145	e/	C,W	D,S	do.	Water from quicksand. Reported bottom of well packed with gravel in
288	--	245	e/	C,W	D,S	do.	Cased to bottom. Reported 1937, 20 feet drawdown when pumping.

c/ D, domestic; S, stock; I, irrigation; P, public; Of, oil field; N, not used.

d/ No water sample collected for analysis.

e/ Water level reported.

Records of wells and springs in Ochiltree County--Continued

No.	Distance from Perryton	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
289	19 miles southeast	318, SE $\frac{1}{4}$ SW $\frac{1}{4}$	H. & T. C. R. R., blk. 43	G. L. Waggoner	B. L. Mitchell	1911	206	4 $\frac{1}{2}$
290	17 $\frac{1}{2}$ miles southeast	316, NE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Patton & Hoover	--	1910	260	4 $\frac{1}{2}$
d/291	15 $\frac{1}{2}$ miles southeast	474, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	G. L. Waggoner	G. L. Waggoner	1935	82	4
292	16 miles southeast	390, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	L. D. Turner	--	--	139	4
293	16 miles south	391, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Loretta Cowan	--	--	131	4
294	14 miles south	480, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	N. S. Jines	--	--	201	5
d/295	12 $\frac{1}{2}$ miles south	487, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	W. M. Shrader	--	--	84	5
296	11 $\frac{1}{2}$ miles south	572, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Lucy T. Powell	--	--	245	4 $\frac{1}{2}$
297	13 miles south	484, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	W. M. Shrader	--	--	260	4
298	15 $\frac{1}{2}$ miles south	310, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	J. W. & L. T. Parnell	Arthur Pearson	1930	288	4 $\frac{1}{2}$
d/299	18 miles south	222, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Patton & Hoover	Ed. Willbanks	1916	420	4 $\frac{1}{2}$
d/300	15 miles south	393, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	"Shorty" Greer	1915	240	4 $\frac{1}{2}$
301	16 $\frac{1}{2}$ miles south	312, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	Bill Wright	1905	259	5
302	17 $\frac{1}{2}$ miles south	303, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	L. D. Turner	--	--	265	4 $\frac{1}{2}$
303	19 miles south	226, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Patton & Hoover	--	1908	266	5
304	19 $\frac{1}{2}$ miles south	214, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	Ed. Willbanks	1928	360	4 $\frac{1}{2}$
305	20 $\frac{1}{2}$ miles south	140, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Roy C. Patton	W. M. Good	1937	472	6
306	21 $\frac{1}{2}$ miles south	126, NE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Ray D. Grawthrop	Bill Wright	1902	194	5-5/8
307	21 miles south	127, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Nan T. Brownlee	--	--	235	6 $\frac{3}{4}$
308	20 miles south	216, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Patton & Hoover	Ed. Willbanks	1928	432	6
309	19 $\frac{1}{2}$ miles south	217, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	John W. Johnson	Henry Bushman	1932	440	6
d/310	21 miles south	129, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Nan T. Brownlee	--	1910	395	5-5/8
311	21 $\frac{1}{2}$ miles south	46, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Dave Wilson	--	1912	430	4 $\frac{1}{2}$
312	21 miles south	132, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	C. G. Flowers	Ernest Willbanks	1918	430	4
351	15 miles west	42, SE $\frac{1}{4}$ SW $\frac{1}{4}$	G. H. & H. R. R., blk. 4	Fred Butler	Arthur Pearson	1938	250	6
352	14 $\frac{1}{2}$ miles west	43, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	C. B. Barber	Henry Bushman	1921	250	5
d/353	13 $\frac{1}{2}$ miles west	44, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	F. P. Rogers	--	--	250	4

L. G. Davis, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
289	--	192	e/	C, W	D, S	Gentle slope	Cased to bottom; 20 feet perforated
290	--	230	e/	C, W	S	do.	Cased to bottom.
291	--	66	e/	C, W	S	do.	Do.
292	2.5	96.5	Oct. 26, 1938	C, W	D, S	Creek bottoms	Water level measured while windmill pumping.
293	0.5	105.9	Dec. 19, 1938	C, W	S	do.	
294	0.5	176.5	July 7, 1937	C, W	D, S	do.	Cased to bottom. g/
295	--	49	e/	C, W	S	do.	Do.
296	2	237.1	Dec. 12, 1938	C, W	D, S	Gentle slope	
297	--	230	e/	C, W	D, S	do.	
298	--	248	e/	C, W	D, S	Ridge-top	Water from sand. Reported furnishes water for 15' head of stock.
299	--	340	e/	C, W	D, S	Gentle slope	Cased to bottom.
300	2	218.1	Dec. 6, 1938	C, W	S	do.	Do.
301	1	217	Dec. 19, 1938	C, W	S	do.	Do.
302	1.5	208.3	do.	C, W	S	do.	
303	--	235	e/	C, W	D, S	Near draw	Cased to bottom.
304	--	335	e/	C, W	D, S	Flat	Cased to bottom; 20 feet perforated.
305	--	407	e/	C, W	D, S	Rolling	Cased to bottom; 40 feet perforated.
306	1.4	179.1	Jan. 10, 1939	C, W, G, --	S	Near draw	Estimated yield, 10 gallons a minute.
307	--	228	e/	C, W	D, S	do.	Cased to bottom; 20 feet perforated.
308	--	360	e/	C, W	D, S	Flat	Do.
309	--	380	e/	C, W	D, S	Gentle slope	Cased to bottom; 10 feet perforated.
310	--	365	e/	C, W	S	do.	
311	--	370	e/	C, W, G, --	D, S	do.	Cased to bottom; 20 feet perforated. Reported yield, 7½ gallons a minute.
312	--	400	e/	C, W	D, S	do.	
351	0.5	228	Nov. 9, 1938	C, W	D, S	Flat	Cased to 245 feet; 8 feet perforated. Placed crushed rock in lower 5 feet
352	--	159	e/	C, W	D, S	do.	Cased to bottom. of well.
353	--	210	e/	None	N	do.	Do.

g/ For further water levels see Water-Supply Paper 840, Water levels and artesian pressure in observation wells in the United States in 1937, well 4, Ochiltree County section, p. 484.

Records of wells and springs in Ochiltree County--Continued

No.	Distance from Perryton	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
354	15½ miles southwest	57, SW¼SE¼	G.H.& H. R.R., blk. 4	Mary B. Weicker	--	--	259	4½
355	13 miles southwest	6, NW¼NW¼	do.	F. P. Rogers	--	--	250	6
356	12 miles west	46, SE¼SE¼	do.	do.	--	1904	270	4½
357	do.	31, NE¼SE¼	do.	W. B. Lamaster	Arthur Pearson	1926	265	4
358	10½ miles west	38, NE¼NE¼	do.	Mrs. A. L. Truax	--	1903	240	4
359	10 miles west	48, NE¼SE¼	do.	F. P. Rogers	--	1910	275	6
360	10½ miles southwest	51, NE¼SE¼	do.	L. R. Conner	Arthur Pearson	1927	258	5
361	do.	1, NW¼NW¼	T. T. R. R., blk. JT	D. C. Rogers	W. E. Harbour	1916	275	6
362	9½ miles southwest	50, NE¼SE¼	G.H.& H. R.R., blk. 4	W. B. Dennison	--	1900	266	3½
363	7½ miles southwest	9, SE¼SE¼	H.& G.N. R.R., blk. 12	Howard A. Hawk	Arthur Pearson	1928	265	6
364	8½ miles southwest	10, SW¼SE¼	T.& N.O. R.R., blk. 13	E. L. Whippo	--	1924	286	6
365	9 miles southwest	26, NE¼NE¼	do.	do.	E. L. Whippo	1869	252	6
370	7 miles southwest	12, SW¼NE¼	do.	Pais & Schultz	Arthur Pearson	1924	265	4
371	4½ miles southwest	5, SE¼SE¼	H.& G.N. R.R., blk. 12	L. A. McClure	Ed. Willbanks	1930	300	6
372	3½ miles southwest	14, SE¼NE¼	do.	H. C. Graham	-- Reeves	1928	324	6
373	2 miles southwest	2, NW¼NE¼	do.	G. M. Cooper	--	1926	277	5
374	4 miles south	17, SE¼SE¼	do.	Mrs. C. N. Allen	--	--	256	4½
375	5½ miles southwest	14, NE¼NE¼	T.& N.O. R.R., blk. 13	Walter P. Wright	--	--	283+	--
376	6 miles south	18, NE¼NE¼	do.	E. R. Thurman	Arthur Pearson	1930	311	6
377	6½ miles south	17, SW¼SE¼	do.	L. D. Turner	--	1912	187	4
378	7 miles south	32, SE¼NW¼	do.	J. M. Blasingame	Bill Harbor	1910	283	5
379	do.	32, SW¼NW¼	do.	do.	do.	1913	275	5-5/8
380	do.	18, SE¼SW¼	do.	S. K. Hill	--	--	49	42
388	8 miles south	35, NE¼NE¼	do.	J. W. Richardson	--	1910	90	6
389	9½ miles south	45, NE¼NE¼	do.	do.	--	1908	300	5
397	8½ miles southwest	28, NE¼SW¼	do.	Pais & Schultz	--	--	210	4

L. G. Davis, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
354	1.3	244.5	Nov. 16, 1938	C, W	S	Rolling	Cased to bottom.
355	--	200	e/	C, W	N	Flat	Cased to bottom; 20 feet perforated
356	--	216	e/	C, W	D, S	Gentle slope	Do.
357	--	220	e/	C, W	D, S	Flat	Cased to bottom.
358	--	200	e/	C, W	D, S	do.	Do.
359	--	215	e/	C, W	D, S	Gentle slope	Cased to bottom; 20 feet perforated
360	--	216	e/	C, W	D, S	Flat	Do.
361	--	200	e/	C, W	D, S	do.	Do.
362	--	240	e/	C, W	D, S	do.	Dug well, 0 to 180 feet; drilled to bottom. Dug portion filled with
363	--	200	e/	C, W	D, S	do.	Cased to bottom. <u>rock around casing.</u>
364	--	256	e/	C, W	D, S	do.	Do.
365	--	222	e/	C, W	S	Near draw	Dug well, now cased. Reported hard rock, 100 to 203 feet; honey-combed rock, 251 to 252 feet. Crushed rock
370	--	250	e/	C, W	D, S	Flat	<u>around casing.</u>
371	--	209	e/	C, W	D, S	do.	Cased to 294 feet.
372	0	241.6	Dec. 8, 1938	C, W	D, S	Gentle slope	Water from quicksand at 280 and 324 feet.
373	0.3	265.1	Oct. 18, 1938	C, W	D, S	Flat	Cased to bottom.
374	--	250	e/	C, W	N	do.	
375	0.4	252	Feb. 1, 1939	C, W	D, S	do.	
376	--	261	e/	C, W	D, S	do.	Struck water in sand, 190, 240 and 311 feet.
377	--	182	e/	C, W	D, S	do.	Cased to bottom; perforated at bottom.
378	--	268	e/	C, W	S	do.	Cased to bottom. Water from gravel.
379	--	261	e/	C, W	D, S	do.	Do.
380	1.7	42.3	Dec. 16, 1938	C, W	S	Gentle slope	Dug well; not cased.
388	--	30	e/	C, W	S	do.	Cased to bottom; 10 feet perforated. Gravel at bottom.
389	--	230	e/	C, W	D, S	Near draw	Galvanized casing.
397	--	--	--	C, W	D, S	do.	Cased to bottom.

Records of wells and springs in Ochiltree County--Continued

No.	Distance from Perryton	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
398	17½ miles southwest	39, NE¼SE¼	T. & N.O. R.R., blk. 13	W. M. Shrader	J. W. Rogers	1916	248	4½
399	12 miles southwest	41, SW¼SE¼	do.	Phillip Carrol	Ed. Willbanks	1921	330	6
d/400	13½ miles southwest	32, SW¼SE¼	T. T. R. R., blk. JT	Viva Buckhaults	J. W. Rogers	1908	255	4
401	15 miles southwest	14, SE¼SW¼	do.	Mrs. J. M. Stump	Bill Harbor	1902	335	5
402	12½ miles southwest	4, NE¼NE¼	C. Ximenes sur.	John Luthi	Henry Bushman	1928	355	5½
403	11½ miles southwest	8, NW¼NE¼	T. T. R. R., blk. JT	W. E. Deert & W. L. Mathers	--	--	265	4½
404	13 miles southwest	9, SW¼NW¼	do.	H. J. Boisdorf	--	1903	265	4½
405	15½ miles southwest	17, SE¼NW¼	T. & N.O. R.R., blk. 4 T	City of Waka	L. W. Hohlman & -- Emilnier	1920	286	6
d/406	15 miles southwest	16, SW¼SW¼	do.	Frank Lindsey	--	--	285	5
407	15½ miles southwest	12, NE¼SE¼	do.	J. R. Stump	Ed. Willbanks	1936	290	4½
408	16½ miles southwest	46, SW¼NE¼	do.	V. E. Steed	Arthur Pearson	1928	280	4
409	17 miles southwest	50, NW¼NE¼	do.	W. E. Cox	--	--	--	4½
410	20 miles southwest	73, SW¼SE¼	do.	W. A. Schubert	Ed. Willbanks	1928	335	4
411	19 miles southwest	74, SW¼SE¼	do.	J. L. Redus	do.	1929	360	4
412	20 miles southwest	104, NW¼NE¼	do.	A. A. Gilliam	do.	1908	380	4½
d/413	19½ miles southwest	105, SE¼SE¼	do.	D. B. Pearson	--	1903	408	6
414	18½ miles southwest	80, SE¼NE¼	do.	C. E. Forbes	C. E. Forbes	1901	300	5
415	17½ miles southwest	77, SW¼SW¼	do.	Nellie J. Compton	--	--	--	4½
416	16 miles southwest	20, NW¼NW¼	do.	J. V. Stump	Arthur Pearson	1938	310	6
417	18 miles southwest	33, S¼NE¼	do.	E. D. Clement	--	1910	280	4
418	do.	26, NW¼NW¼	blk. 44	W. H. Tarbox	--	1924	360	4
d/419	17 miles southwest	25, SW¼NE¼	T. T. R. R., blk. JT	Linnie Cook Clement	--	1922	302	4
420	16½ miles southwest	24, SE¼SE¼	do.	Phillips Pipe Line Co.	H. H. Heiskell	1938	361	7
d/421	15 miles southwest	18, SE¼SE¼	do.	Audie Conley	R. E. Harbur	1918	250	4
422	14½ miles southwest	72, NW¼SE¼	T. & N.O. R.R., blk. 13	J. B. Conley	Ed. Willbanks	1907	281	6
423	15 miles southwest	87, SE¼NE¼	do.	B. L. Barnes	Arthur Pearson	1928	360	6
424	11 miles south	52, SE¼SE¼	do.	V. B. Smith	--	--	247	4½

L. G. Davis, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
398	--	226	e/	C, W	D, S	Gentle slope	Cased to bottom.
399	--	255	e/	C, W	D, S	do.	Do.
400	--	225	e/	C, W	D, S	do.	Cased to bottom; 20 feet perforated. Gravel at bottom.
401	--	220	e/	C, W	D, S	Flat	Cased to bottom.
402	--	255	e/	C, W	D, S	do.	Cased to bottom; 20 feet perforated.
403	2.6	226.9	Dec. 2, 1938	C, W	D, S	Gentle slope	Cased to bottom.
404	0.5	236.1	do.	C, W	D, S	Flat	Do.
405	--	264	e/	C, W	D, S	do.	Do.
406	1.5	242.2	July 7, 1937	C, W	S	do.	Do. h/
407	--	230	e/	C, W	D, S	do.	Cased to bottom; 20 feet perforated. Water from sand, 250 to 290 feet;
408	--	230	e/	C, W	D, S	do.	Cased to bottom; rock at bottom. 20 feet perforated. Water from
409	0.3	273	Nov. 2, 1938	C, W	S	do.	coarse sand.
410	1.0	281	Dec. 14, 1938	C, W	D, S	do.	Cased to bottom; 18 feet perforated.
411	--	310	e/	C, W	D, S	do.	Cased to bottom; 20 feet perforated.
412	--	300	e/	C, W	D, S	Gentle slope	Cased to bottom; 18 feet perforated.
413	--	308	e/	C, W	D, S	Flat	Cased to bottom.
414	--	260	e/	C, W	D, S	do.	Struck water at 295, 345 and 385 feet.
415	1.3	269.7	Jan. 5, 1939	C, W	S	do.	Cased to bottom.
416	--	295	e/	C, W	D, S	do.	Cased to bottom; 8 feet perforated. Reported clay bottom.
417	--	240	e/	C, W	D, S	--	Cased to bottom.
418	--	335	e/	C, W	D, S	Flat	Cased to bottom; perforated below 340 feet.
419	--	262	e/	C, W	D, S	do.	Cased to bottom.
420	--	285	e/	C, E, 3	D, S	do.	Reported coarse water sand at bottom. Strong supply.
421	--	235	e/	C, W	S	Gentle slope	Cased to bottom.
422	--	241	e/	C, W	D, S	do.	Reported water from coarse sand.
423	--	300	e/	C, W	D, S	Flat	Cased to bottom.
424	0.4	232.6	Nov. 18, 1938	C, W	D, S	Gentle slope	Do.

h/ For further water levels see Water-Supply Paper 840, Water levels and artesian pressure in observation wells in the United States in 1937, well 1, Ochiltree County

Records of wells and springs in Ochiltree County--Continued

No.	Distance from Perryton	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
d/425	13 miles south	77, NE $\frac{1}{4}$ NE $\frac{1}{4}$	T. & N. O. R. R., blk. 13	Carl Griffin	--	--	350	4 $\frac{1}{2}$
426	12 $\frac{1}{2}$ miles south	79, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	W. B. Lamaster	--	1918	300	4
d/427	11 miles south	64, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Roy Camp	--	--	226	4 $\frac{1}{2}$
d/428	10 $\frac{1}{2}$ miles south	49, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Nelson W. Willard	--	--	202	5
429	13 $\frac{1}{2}$ miles south	80, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Fredericka Zimmerman	Ed. Willbanks	1924	316	4 $\frac{1}{2}$
430	15 miles south	96, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	T. C. Lott	--	1919	365	5
431	do.	94, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	James F. Hardy	H. C. Morrison	1920	329	4 $\frac{1}{2}$
d/432	16 miles south	99, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Emmett Bennett	--	--	300+	5
433	16 $\frac{1}{2}$ miles south	110, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Pauline Slavin	--	1918	420	4 $\frac{1}{2}$
434	18 $\frac{1}{2}$ miles south	114, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	T. C. Helton	--	--	400	4
435	19 $\frac{1}{2}$ miles south	125, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	R. A. Flowers	Arthur Pearson	1931	456	4 $\frac{1}{2}$
436	do.	108, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	H. B. Urban	Ed. Willbanks	1921	368	6
437	19 miles south	117, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	E. J. & Mrs. E. E. Gething	--	--	400	4 $\frac{1}{2}$
438	do.	120, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	A. L. Swink	Robt. Willbanks	1934	406	4 $\frac{1}{2}$
439	20 miles southwest	2, SE $\frac{1}{4}$ SE $\frac{1}{4}$	Wm. T. White sur.	D. P. Lambert	--	1918	400	6
440	21 miles southwest	1, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. G. Flowers	Ernest Willbanks	1930	420	4 $\frac{1}{2}$
441	20 $\frac{1}{2}$ miles southwest	27, NW $\frac{1}{4}$ NE $\frac{1}{4}$	T. T. R. R., blk. JT	John A. King	Ed. Willbanks	1930	363	4
442	19 $\frac{1}{2}$ miles southwest	24, SE $\frac{1}{4}$ SE $\frac{1}{4}$	blk. 44	R. T. Correll	--	1900	425	4
443	21 $\frac{1}{2}$ miles southwest	134, NE $\frac{1}{4}$ SE $\frac{1}{4}$	T. & N. O. R. R., blk. 4 T	J. L. Dodson	Ed. Willbanks	--	380	4
444	do.	140, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	W. L. Pope	do.	1927	356	4
445	24 miles southwest	2, NW $\frac{1}{4}$ NE $\frac{1}{4}$	W. C. R. R., blk. 2	Deta Blodgett	--	1908	370	4 $\frac{1}{2}$
446	22 $\frac{1}{2}$ miles southwest	24, SW $\frac{1}{4}$ SW $\frac{1}{4}$	A. B. & M., blk. R	J. M. Blodgett	A. M. Willbanks	1898	370	3
447	26 $\frac{1}{2}$ miles southwest	54, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	A. D. Reed	do.	1915	419	4 $\frac{1}{2}$
d/448	24 $\frac{1}{2}$ miles southwest	48, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	do.	1912	417	4 $\frac{1}{2}$
449	23 miles southwest	20, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Samuel Nitschke	Ernest Willbanks	1934	401	4 $\frac{1}{2}$

L. G. Davis, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
425	--	310	e/	C, W	D, S	Gentle slope	Cased to bottom.
426	--	290	e/	C, W	D, S	do.	Cased to bottom; 20 feet perforated. Reported water from fine-grained
427	2.7	205.3	Nov. 18, 1938	C, W	--	Slope	
428	1	179.9	May 13, 1938	None	N	Bottom of draw	Cased to bottom.
429	--	301	e/	C, W	D, S	Gentle slope	Do.
430	--	335	e/	C, W	D, S	do.	Cased to bottom; 20 feet perforated.
431	--	284	e/	C, W	D, S	do.	Cased to bottom; 10 feet perforated.
432	1	300+	May 13, 1938	None	N	Flat	
433	--	360	e/	C, W	D, S	do.	Cased to bottom; 10 feet perforated. Reported water from sand and gravel.
434	--	380	e/	C, W	D, S	Gentle slope	Cased to bottom.
435	--	416	e/	C, W	D, S	Flat	Cased to bottom; 18 feet perforated.
436	--	342	e/	C, W	D, S	do.	Cased to bottom; 20 feet perforated. Water from coarse sand.
437	--	375	e/	C, W	D, S	do.	
438	--	351	e/	C, W	D, S, I	do.	Cased to bottom. Water from coarse sand. Irrigates small garden.
439	--	320	e/	C, W	D, S	do.	Water from sand.
440	--	360	e/	C, W	D, S, I	do.	Cased to bottom; 18 feet perforated.
441	--	296	e/	C, W	D, S	Gentle slope	Water from coarse gravel.
442	--	325	e/	C, W	D, S	Flat	Cased to bottom; screen at bottom.
443	--	325	e/	C, W	D, S	do.	Cased to bottom.
444	--	311	e/	C, W	D, S	Near lake	Cased to bottom. Water from coarse sand and gravel.
445	--	320	e/	C, W	D, S	Flat	Cased to bottom.
446	--	320	e/	C, W	D, S	do.	Cased to bottom; screen at bottom.
447	--	394	e/	C, W	S	do.	Cased to bottom.
448	--	352	e/	C, W	D, S	do.	Cased to 405 feet; 12 feet screen. Water from sand, 370 and 417 feet.
449	--	356	e/	C, W	S	do.	Cased to bottom; 20 feet perforated. Water from coarse sand.

Records of wells and springs in Ochiltree County--Continued

No.	Distance from Perryton	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
45 ^b	22 $\frac{1}{2}$ miles southwest	21, SE $\frac{1}{4}$ SE $\frac{1}{4}$	blk. 44	Homer Davis	--	--	40	6
c/451	23 $\frac{1}{2}$ miles south	2, NW $\frac{1}{4}$ SW $\frac{1}{4}$	A. V. Hoya sur.	J. W. & J. A. King	--	--	400	6
452	22 miles south	138, SW $\frac{1}{4}$ SE $\frac{1}{4}$	T. & N.O. R.R., blk. 13	C. S. McGarraugh	--	1914	410	6
455	20 $\frac{1}{2}$ miles south	135, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	Ed. Willbanks	1914	408	6
d/454	21 $\frac{1}{2}$ miles south	139, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	do.	1934	408	6

a/ Measuring point was usually top of casing or top of pipe clamp.

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

L. G. Davis, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
450	--	350	e/	C,W	D,S	Gentle slope	Cased to bottom.
451	--	350	e/	C,W	S	Near draw	Do.
452	--	365	e/	C,W	D,S	do.	Water from coarse gravel. Reported pumps sand in rainy season.
453	--	353	e/	C,W	D,S	Flat	Cased to bottom. Water from coarse gravel.
454	--	373	e/	C,W	S	Near draw	Do.

c/ D, domestic; S, stock; I, irrigation; P, public; Of, oil field; N, not used.

d/ No water sample collected for analysis.

e/ Water level reported.

Table of Drillers' Logs, Ochiltree County, Texas

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 126-A</u>		
-- Bowen, 3½ miles south of Perryton.		
Sand, h.f.w. at 245 feet -	395	395
Red rock - - - - -	495	890
TOTAL DEPTH - - - - -		?

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 244-A</u>		
-- Strickler, 12 miles southeast of Perryton.		
Brown surface soil - - -	25	25
Gravel - - - - -	30	55
Quicksand - - - - -	155	210
Gravel - - - - -	5	215
Red shale - - - - -	15	230
Quicksand - - - - -	15	245
Red shale - - - - -	32	277
Red shale and quicksand -	8	285
Red shale - - - - -	90	375
Sandy red shale - - - -	40	415
Red shale - - - - -	85	500
Quicksand - - - - -	35	535
Red shale - - - - -	45	580
White gypsum - - - - -	10	590
White lime - - - - -	45	635
Brown shale - - - - -	85	720
Gypsum - - - - -	5	725
Salt - - - - -	205	930
Broken lime - - - - -	55	985
Sandy red shale - - - -	30	1015
Red shale - - - - -	25	1040
Lime and gypsum - - - -	5	1045
Sandy red shale - - - -	25	1070
Sandy brown lime - - - -	45	1115
Sand and red shale - - -	110	1225
Broken lime and gypsum -	25	1250
Salt and red shale - - -	225	1475
White gypsum - - - - -	10	1485
Salt - - - - -	10	1495
Salt and broken shale - -	45	1540
Lime - - - - -	30	1570
Salt and broken red shale	60	1630
Broken shale - - - - -	40	1670
Salt and broken red shale	180	1850
Salt and blue shale - - -	25	1875
Blue slate - - - - -	75	1950
Chocolate-colored shale -	25	1975
Broken lime - - - - -	70	2045
Blue shale - - - - -	90	2135
Brown shale - - - - -	70	2205
Blue shale - - - - -	115	2320
Gray shale and lime - - -	110	2430
Blue shale - - - - -	70	2500
Gray lime - - - - -	5	2505
Blue shale - - - - -	5	2510
Broken lime shells - - -	65	2575

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 244-A--Continued</u>		
Blue shale - - - - -	45	2620
Gray lime - - - - -	55	2675
Broken lime - - - - -	10	2685
Gray lime - - - - -	130	2815
Dark shale - - - - -	10	2825
Gray lime - - - - -	10	2835
Broken lime - - - - -	5	2840
Gray lime - - - - -	195	3035
Broken lime - - - - -	15	3050
Gray lime - - - - -	15	3065
Blue shale - - - - -	5	3070
Gray lime - - - - -	45	3115
Broken lime - - - - -	105	3220
Dark-colored lime - - -	15	3235
Dark-colored broken lime	25	3260
Dark-gray lime - - - -	25	3285
Gray lime - - - - -	40	3325
Sandy lime - - - - -	55	3380
Water sand - - - - -	35	3415
Lime - - - - -	25	3440
Sandy lime - - - - -	10	3450
Lime - - - - -	12	3462
Brown sand - - - - -	60	3522
Sandy lime - - - - -	70	3592
Gray lime - - - - -	20	3612
Water sand - - - - -	20	3632
Brown sand - - - - -	50	3682
Sandy lime - - - - -	20	3702
White lime - - - - -	58	3760
Black shale - - - - -	2	3762
Sandy lime - - - - -	5	3767
Black shale - - - - -	3	3770
TOTAL DEPTH - - - - -		3770
CASING RECORD: 277 feet of 15½-inch; 273 feet of 12½-inch; 550 feet of 10-inch; 2,500 feet of 8¼-inch and 3,545 feet of 6-5/8-inch casing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 271-A</u>		
-- Wright, 18½ miles southeast of Perryton.		
Sand and gravel - - - - -	80	80
Red shale - - - - -	20	100
Yellow shale - - - - -	10	110
Quicksand - - - - -	10	120
Quicksand and salt, water -	16	136
Quicksand and lime - - -	1	137
Shale - - - - -	28	165
Quicksand, h.f.w. - - - -	155	320
Shale and shells - - - -	12	332
Red shale - - - - -	158	490
Quicksand, water - - - -	5	495
Gypsum and shells - - - -	75	570
Gypsum - - - - -	130	700
Red shale - - - - -	65	765
Salt and shale - - - - -	815	1580
TOTAL DEPTH - - - - -		?

Logs of test wells drilled by W. P. A. labor in Ochiltree County, Texas
 Samples examined and classified by L. G. Davis,
 Project Superintendent

	Thickness (feet)	Depth (feet)
<u>Well 26</u>		
Gentle slope, J. H. Key tract, SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 39, blk. 11, W. Ahrenbeck & Bro. sur., 3 $\frac{1}{2}$ miles northwest of Perryton.		
Gray clay - - - -	3	3
Red clay and caliche - - - -	5	8
Red clay - - - -	12	20
Red clay and caliche - - - -	12	32
Red clay - - - -	4	36
Red clay and caliche - - - -	24	60
Jan. 5, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 27</u>		
Gentle slope, J. H. Key tract, SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 39, blk. 11, W. Ahrenbeck & Bro. sur., 300 feet west of well 26, 3 $\frac{1}{2}$ miles northwest of Perryton.		
Gray clay - - - -	4	4
Caliche - - - -	5	9
Red clay and caliche - - - -	4	13
Red clay - - - -	27	40
Jan. 5, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 28</u>		
Gentle slope, J. H. Key tract, SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 39, blk. 11, Ahrenbeck & Bro. sur., 300 feet west of well 27, 3 $\frac{1}{2}$ miles north of Perryton.		
Gray clay - - - -	3	3
Caliche and red clay - - - -	9	12
Red clay - - - -	9	21
Red clay and caliche - - - -	17	38
Caliche - - - -	3	41
Red clay and caliche - - - -	4	45
Jan. 5, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 29</u>		
Flat, J. H. Key tract, SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 39, blk. 11, W. Ahrenbeck & Bro. sur., 300 feet west of well 28, 3 $\frac{1}{2}$ miles northwest of Perryton.		
Gray clay - - - -	3	3
Red clay and caliche - - - -	16	19
Red clay - - - -	6	25
Red clay and caliche - - - -	2	27
Red clay - - - -	9	36
Dec. 29, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 30</u>		
Gentle slope, Fountain Roach tract, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 40, blk. 11, W. Ahrenbeck & Bro. sur., 300 feet south of well 26, 3 $\frac{1}{2}$ miles northwest of Perryton.		
Red clay - - - -	4	4

	Thickness (feet)	Depth (feet)
<u>Well 30--Continued</u>		
Light-gray clay - - - -	6	10
Red clay - - - -	20	30
Red clay and caliche - - - -	16	46
Jan. 3, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 31</u>		
Flat, Fountain Roach tract, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 40, blk. 11, W. Ahrenbeck & Bro. sur., 300 feet west of well 30, 3 $\frac{1}{2}$ miles northwest of Perryton.		
Gray clay - - - -	3	3
Red clay and caliche - - - -	4	7
Red clay - - - -	17	24
Red clay and caliche - - - -	3	27
Jan. 30, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 32</u>		
Flat, Fountain Roach tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 40, blk. 11, W. Ahrenbeck & Bro. sur., 300 feet west of well 31, 3 $\frac{1}{2}$ miles northwest of Perryton.		
Gray clay - - - -	3	3
Red clay and caliche - - - -	4	7
Red clay - - - -	11	18
Red clay and caliche - - - -	7	25
Red clay - - - -	3	28
Jan. 30, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 33</u>		
Flat, Fountain Roach tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 40, blk. 11, W. Ahrenbeck & Bro. sur., 300 feet west of well 32, 3 $\frac{1}{2}$ miles northwest of Perryton.		
Gray clay - - - -	6	6
Caliche - - - -	1	7
Red clay - - - -	1	8
Red clay and caliche - - - -	5	13
Red clay - - - -	1	14
Caliche and clay - - - -	3	17
Jan. 5, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 39</u>		
Dry lake, A. George tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 65, blk. 11, W. Ahrenbeck & Bro. sur., 4 miles west of Perryton.		
Sandy gray clay - - - -	5	5
Sandy red clay - - - -	9	14
Oct. --, 1938.		

Logs of W. F. A. test wells in Ochiltree County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 40</u>		
Dry lake, A. George tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 65, blk. 11, W. Ahrenbeck & Bro. sur., 600 feet east of well 39, 4 miles west of Perryton.		
Sandy gray clay - - -	16	16
sandy rust-colored clay -	1	17
Sandy gray clay - - -	13	30
Oct. 21, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 41</u>		
Dry lake, A. George tract, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 65, blk. 11, W. Ahrenbeck & Bro. sur., 335 feet east of well 40, 3 $\frac{1}{2}$ miles west of Perryton.		
Sandy gray clay - - -	24	24
light-gray caliche - - -	17	41
Hard white caliche - - -	9	50
Oct. 21, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 42</u>		
Dry lake, A. George tract, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 65, blk. 11, W. Ahrenbeck & Bro. sur., 300 feet east of well 41, 3 $\frac{1}{2}$ miles west of Perryton.		
Sandy gray clay - - -	31	31
Red clay and caliche - -	13	44
Hard white caliche - - -	4	48
Oct. 21, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 43</u>		
Dry lake, A. George tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 65, blk. 11, W. Ahrenbeck & Bro. sur., 300 feet east of well 42, 3 $\frac{1}{2}$ miles west of Perryton.		
Sandy gray clay - - -	15	15
Sandy red clay - - -	20	35
Hard white caliche - - -	4	39
Oct. 20, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 44</u>		
Dry lake, A. George tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 65, blk. 11, W. Ahrenbeck & Bro. sur., 300 feet east of well 43, 3 $\frac{1}{2}$ miles west of Perryton.		
Sandy gray clay - - -	23	23
Sandy red clay - - -	17	40
Oct. 20, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 45</u>		
Dry lake, A. George tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 65, blk. 11, W. Ahrenbeck & Bro. sur., 300 feet east of well 44, 3 $\frac{1}{2}$ miles west of Perryton.		
Sandy gray clay - - -	19	19

	Thickness (feet)	Depth (feet)
<u>Well 45--Continued</u>		
Sandy red clay - - -	11	30
White caliche - - -	9	39
Oct. 20, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 46</u>		
Dry lake, A. C. Witt tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 46, blk. 11, W. Ahrenbeck & Bro. sur., 300 feet east of well 45, 3 $\frac{1}{2}$ miles west of Perryton.		
Sandy gray clay - - -	20	20
sandy light-red clay - -	17	37
Loose-packed caliche - -	14	51
Hard caliche - - -	3	54
Oct. 20, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 47</u>		
Dry lake, A. C. Witt tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 46, blk. 11, W. Ahrenbeck & Bro. sur., 360 feet east of well 46, 3 $\frac{1}{2}$ miles west of Perryton.		
Sandy gray clay - - -	11	11
sandy red clay - - -	29	40
Sandy gray clay - - -	9	49
Gray caliche and clay - -	14	63
White caliche - - -	15	78
Light-red sand and clay -	12	90
Sandy white caliche and clay - - - - -	6	96
Oct. 20, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 48</u>		
Dry lake, A. C. Witt tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 46, blk. 11, W. Ahrenbeck & Bro. sur., 345 feet east of well 47, 3 $\frac{1}{4}$ miles west of Perryton.		
Sandy gray clay - - -	6	6
Sandy red clay and caliche	41	47
Caliche and clay - - -	10	57
Caliche - - -	15	72
Oct. 20, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 49</u>		
Dry lake, A. C. Witt tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 46, blk. 11, W. Ahrenbeck & Bro. sur., 300 feet southwest of well 48, 3 $\frac{1}{4}$ miles west of Perryton.		
Sandy gray clay - - -	11	11
sandy red clay - - -	17	28
Oct. 31, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 50</u>		
Dry lake, A. C. Witt tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 46, blk. 11, W. Ahrenbeck & Bro. sur., 300 feet southwest of well 49, 3 $\frac{1}{4}$ miles west of Perryton.		

(Continued on next page)

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

		Thickness (feet)	Depth (feet)
<u>Well 50--Continued</u>			
Sandy gray clay	- - -	16	16
Sandy red clay	- - -	12	28
Oct. 31, 1938.			

		Thickness (feet)	Depth (feet)
<u>Well 51</u>			
Dry lake, A. C. Witt tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 46, blk. 11, W. Ahrenbeck & Bro. sur., 300 feet southwest of well 50, 3 $\frac{1}{2}$ miles west of Perryton.			
Sandy dark-gray clay	- - -	5	5
Sandy light-gray clay	- - -	7	12
Oct. 5, 1938.			

		Thickness (feet)	Depth (feet)
<u>Well 52</u>			
Dry lake, A. C. Witt tract, SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 46, blk. 11, W. Ahrenbeck & Bro. sur., 300 feet southwest of well 51, 3 $\frac{1}{2}$ miles west of Perryton.			
Sandy gray clay	- - -	4	4
Sandy light-gray clay	- - -	13	17
Oct. 3, 1938.			

		Thickness (feet)	Depth (feet)
<u>Well 53</u>			
Dry lake, A. C. Witt tract, SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 46, blk. 11, W. Ahrenbeck & Bro. sur., 300 feet southwest of well 52, 3 $\frac{1}{2}$ miles west of Perryton.			
Sandy gray clay	- - -	8	8
Sandy light-gray clay	- - -	5	13
Oct. 3, 1938.			

		Thickness (feet)	Depth (feet)
<u>Well 104</u>			
Rolling, Mary M. Huston tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 118, blk. 43, H. & T. C. R.R. sur., 2 $\frac{3}{4}$ miles north of Perryton.			
Red top soil	- - -	12	12
Red clay	- - -	6	18
Jan. 6, 1939.			

		Thickness (feet)	Depth (feet)
<u>Well 105</u>			
Gentle slope, Mary M. Huston tract, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1187, blk. 43, H. & T. C. R.R. sur., 3 miles northeast of Perryton.			
Dark gray clay	- - -	5	5
Red clay	- - -	8	13
Gray clay	- - -	1	14
Sandy red soil	- - -	3	17
Light-red clay and caliche	- - -	7	24
Red clay and caliche	- - -	6	30
Red clay	- - -	9	39
Red clay and caliche	- - -	1	40
Dec. 15, 1938.			

		Thickness (feet)	Depth (feet)
<u>Well 106</u>			
Dry lake, Mary M. Huston tract, SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1187, blk. 43, H. & T. C. R.R. sur., 300 feet south of well 105, 3 miles northeast of Perryton.			
Dark-gray clay	- - -	3	3
Red clay	- - -	9	12
Sandy light-red clay	- - -	6	18
Red clay and caliche	- - -	7	25
Red clay	- - -	4	29
Red clay and caliche	- - -	8	37
Dec. 15, 1938.			

		Thickness (feet)	Depth (feet)
<u>Well 108</u>			
Dry lake, W. B. Lamaster tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1101, blk. 43, H. & T. C. R.R. sur., 1 $\frac{3}{4}$ miles northeast of Perryton.			
Gray clay	- - -	5	5
Red clay	- - -	3	8
Dec. 15, 1938.			

		Thickness (feet)	Depth (feet)
<u>Well 109</u>			
Gentle slope, W. B. Lamaster tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1101, blk. 43, H. & T. C. R.R. sur., 425 feet southeast of well 108, 300 feet east of well 110, 1 $\frac{3}{4}$ miles northeast of Perryton.			
Red soil	- - -	9	9
Red clay and caliche	- - -	12	21
Red clay	- - -	9	30
Red clay and caliche	- - -	30	60
Dec. 12, 1938.			

		Thickness (feet)	Depth (feet)
<u>Well 110</u>			
Dry lake, W. B. Lamaster tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1101, blk. 43, H. & T. C. R.R. sur., 300 feet south of well 108, 1 $\frac{3}{4}$ miles northeast of Perryton.			
Gray clay	- - -	4	4
Red clay and caliche	- - -	27	31
Caliche	- - -	6	37
Red clay and caliche	- - -	6	43
Caliche	- - -	2	45
Rock	- - -	-	45
Dec. 8, 1938.			

		Thickness (feet)	Depth (feet)
<u>Well 111</u>			
Dry lake, W. B. Lamaster tract, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1101, blk. 43, H. & T. C. R.R. sur., 300 feet west of well 110, 1 $\frac{1}{2}$ miles northeast of Perryton.			
Gray clay	- - -	4	4

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Log of W. P. A. test wells in Ochiltree County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 111--Continued</u>		
Red clay - - - -	14	18
Red clay and caliche - -	10	28
Caliche - - - -	5	33
Red clay and caliche - -	11	44
Dec. 10, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 112</u>		
Gentle slope, W. B. Lamaster tract, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1101, blk. 43, H. & T. C. R.R. sur., 300 feet west of well 111, 1 $\frac{1}{2}$ miles north of Perryton.		
Red top soil - - - -	8	8
Red clay and caliche - -	8	16
Red clay - - - -	8	24
Red clay and caliche - -	7	31
Caliche - - - -	3	34
Red clay and caliche - -	3	37
Dec. 13, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 113</u>		
Dry lake, W. B. Lamaster tract, SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1101, blk. 43, H. & T. C. R.R. sur., 335 feet southeast of well 111, 335 feet southwest of well 110, 1 $\frac{1}{2}$ miles north east of Perryton.		
Gray clay - - - -	4	4
Red clay - - - -	5	9
Red clay and caliche - -	30	39
Caliche - - - -	1	40
Dec. 15, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 114</u>		
Gentle slope, G. W. Powers tract, SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1101, blk. 43, H. & T. C. R.R. sur., 1 mile northeast of Perryton.		
Red clay and caliche - -	1	1
Red clay - - - -	15	16
Red clay and caliche - -	2	18
Dec. 19, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 115</u>		
Dry lake, Charlie Reynolds tract, SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1100, blk. 43, H. & T. C. R.R. sur., at east side of Perryton.		
Gray clay - - - -	8	8
Hard-packed red clay - -	3	11
Feb. 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 116</u>		
Dry lake, Charlie Reynolds tract, SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1100, blk. 43, H. & T. C. R.R. sur., 300 feet south of well 115, at east side of Perryton.		
Gray clay - - - -	4	4
Red clay and caliche - -	10	14
Feb. 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 117</u>		
Dry lake, Beulah Stark tract, NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, blk. 11, 7. Ahrenbeck & Bro. sur., 1 mile south of Perryton.		
Sandy black clay soil -	3	3
Sandy gray clay soil -	4	7
Sandy red clay soil -	13	20
Nov. 2, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 118</u>		
Flat, City of Perryton lots, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1013, blk. 43, H. & T. C. R.R. sur., 300 feet east of well 117, 1 mile south of Perryton.		
Gray clay - - - -	4	4
Sandy red clay - - - -	8	12
Sandy white clay - - - -	3	15
Sandy red clay - - - -	19	34
Nov. 2, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 119</u>		
Dry lake, City of Perryton lots, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1013, blk. 43, H. & T. C. R.R. sur., 300 feet south of well 118, 1 mile south of Perryton.		
Gray clay soil - - - -	7	7
Sandy red clay - - - -	12	19
Sandy red soil - - - -	27	46
Nov. 2, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 120</u>		
Dry lake, City of Perryton lots, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1013, blk. 43, H. & T. C. R.R. sur., 300 feet south of well 119, 1 mile south of Perryton.		
Sandy gray clay - - - -	7	7
Sandy red clay - - - -	44	51
Sandy light-gray clay - -	3	54
Oct. --, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 121</u>		
Dry lake, City of Perryton lots, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1013, blk. 43, H. & T. C. R.R. sur., 300 feet south of well 120, 1 $\frac{1}{2}$ miles south of Perryton.		
Sandy gray clay - - - -	10	10
Sandy red clay - - - -	32	42
Oct. 20, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 122</u>		
Flat, side of county road, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1 blk. 11, W. Ahrenbeck & Bro. sur., 1 $\frac{1}{2}$ miles south of Perryton.		
Red clay soil - - - -	8	8
Red clay - - - -	7	15
Red clay and caliche - -	2	17
Dec. 16, 1938.		

Logs of W. F. test wells in Ochiltree County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 127</u>		
Dry lake, J. O. Wooten tract, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 837, blk. 43, H. & T. C. R.R. sur., 4 $\frac{1}{2}$ miles south of Perryton.		
Sandy gray clay - - -	2	2
White caliche and clay -	14	16
Sandy red clay - - -	23	39
Nov. 1, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 128</u>		
Dry lake, J. O. Wooten tract, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 837, blk. 43, H. & T. C. R.R. sur., 300 feet south of well 127, 4 $\frac{3}{4}$ miles south of Perryton.		
Sandy gray clay - - -	7	7
Sandy red clay - - -	6	13
Sandy red clay and caliche -	8	21
White caliche and clay - -	2	23
Sandy red clay - - -	29	52
Red clay and caliche - - -	4	56
Sandy red clay - - -	4	60
Light-gray clay and caliche	10	70
Nov. 25, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 129</u>		
Dry lake, J. O. Wooten tract, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 837, blk. 43, H. & T. C. R.R. sur., 300 feet south of well 128, 4 $\frac{3}{4}$ miles south of Perryton.		
Sandy gray clay - - -	11	11
White clay and caliche - - -	3	14
Sandy red clay - - -	22	36
White caliche and clay - - -	2	38
Sandy red clay - - -	20	58
Red caliche and clay - - -	9	67
Nov. --, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 130</u>		
Dry lake, J. O. Wooten tract, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 837, blk. 43, H. & T. C. R.R. sur., 300 feet south of well 129, 5 miles south of Perryton.		
Sandy gray clay - - -	10	10
Sandy red clay - - -	42	52
Red clay and caliche - - -	16	68
Nov. 27, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 131</u>		
Dry lake, J. O. Wooten tract, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 837, blk. 43, H. & T. C. R.R. sur., 300 feet south of well 130, 5 miles south of Perryton.		
Sandy gray clay - - -	4	4
Sandy red clay - - -	22	26
Sandy white clay - - -	2	28

	Thickness (feet)	Depth (feet)
<u>Well 131--Continued</u>		
Sandy red clay - - -	6	34
Red caliche and clay - - -	2	36
Red clay - - -	10	46
Sandy red clay - - -	6	52
Red clay and caliche - - -	5	57
Light-gray clay - - -	3	60
Sandy red clay and caliche	3	66
Nov. 28, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 132</u>		
Dry lake, J. O. Wooten tract, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 837, blk. 43, H. & T. C. R.R. sur., 300 feet east of well 130, 5 miles south of Perryton.		
Sandy gray clay - - -	10	10
Sandy red clay - - -	11	21
Nov. 23, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 133</u>		
Dry lake, J. O. Wooten tract, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 837, blk. 43, H. & T. C. R.R. sur., 300 feet south of well 132, 300 feet east of well 131, 5 miles south of Perryton.		
Sandy gray clay - - -	7	7
Sandy red clay - - -	6	13
Nov. --, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 136</u>		
Dry lake, L. A. Keiffer tract, NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 749, blk. 45, H. & T. C. R.R. sur., 6 $\frac{1}{2}$ miles south of Perryton.		
Gray clay - - -	2	2
Red clay and caliche - - -	10	12
Feb. 4, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 137</u>		
Dry lake, L. A. Keiffer tract, NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 749, blk. 45, H. & T. C. R.R. sur., 300 feet southeast of well 136, 6 $\frac{1}{2}$ miles south of Perryton.		
Gray clay - - -	12	12
Light-gray clay - - -	5	17
Red clay - - -	9	26
Feb. 4, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 138</u>		
Dry lake, L. A. Keiffer tract, NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 749, blk. 45, H. & T. C. R.R. sur., 300 feet southeast of well 137, 6 $\frac{1}{2}$ miles south of Perryton.		
Gray clay - - -	9	9
Red caliche and clay - - -	11	20
Sandy red clay soil - - -	10	30
Sandy red clay and caliche	22	52
Feb. 7, 1939.		

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

	Thickness (feet)	Depth (feet)
<u>Well 139</u>		
Dry lake, L. A. Keiffer tract, SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 749, blk. 43, H. & T. C. R.R. sur., 300 feet southeast of well 138, 6 $\frac{1}{2}$ miles south of Perryton.		
Red clay - - - -	3	3
Red clay and caliche - - - -	13	16
Red clay - - - -	5	21
Red clay and caliche - - - -	2	23
Feb. 4, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 142</u>		
Dry lake, -- Brillhart tract, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 919, blk. 43, H. & T. C. R.R. sur., 6 $\frac{1}{2}$ miles southeast of Perryton.		
Gray clay - - - -	4	4
Caliche and clay - - - -	3	7
Fine-grained sandy clay and caliche - - - -	7	14
Fine-grained sandy yellow clay - - - -	12	26
Feb. 14, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 143</u>		
Dry lake, -- Brillhart tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 842, blk. 43, H. & T. C. R.R. sur., 6 $\frac{1}{2}$ miles southeast of Perryton.		
Gray clay top soil - - - -	8	8
Feb. 14, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 144</u>		
Dry lake, -- Brillhart tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 842, blk. 43, H. & T. C. R.R. sur., 6 $\frac{1}{2}$ miles southeast of Perryton.		
Gray clay - - - -	10	10
Caliche and clay - - - -	10	20
Feb. 14, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 145</u>		
Dry lake, -- Brillhart tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 842, blk. 43, H. & T. C. R.R. sur., 6 $\frac{1}{2}$ miles southeast of Perryton.		
Gray clay - - - -	10	10
Feb. 14, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 146</u>		
Dry lake, -- Brillhart tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 842, blk. 43, H. & T. C. R.R. sur., 6 $\frac{1}{2}$ miles southeast of Perryton.		
Gray clay - - - -	10	10
Caliche and clay - - - -	11	21
Feb. 14, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 170</u>		
Dry lake, Lee Hudson tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1096, blk. 43, H. & T. C. R.R. sur., 4 $\frac{1}{2}$ miles east of Perryton.		
Gray clay - - - -	7	7
Red clay and caliche - - - -	7	14
Red clay - - - -	9	23
Red clay and caliche - - - -	3	26
Dec. 6, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 171</u>		
Dry lake, Lee Hudson tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1096, blk. 43, H. & T. C. R.R. sur., 420 feet north of well 170, 4 $\frac{1}{2}$ miles east of Perryton.		
Gray clay - - - -	11	11
Red clay and caliche - - - -	16	27
Dec. 7, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 172</u>		
Dry lake, Laurence Tuxhorn tract, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1105, blk. 43, H. & T. C. R.R. sur., 450 feet north of well 171, 4 $\frac{1}{2}$ miles east of Perryton.		
Gray clay top soil - - - -	5	5
Red clay and caliche - - - -	33	38
Dec. 7, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 202</u>		
Creek bottoms, Clinton Apple Est., NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 48, blk. 13, T. & N. O. R.R. sur., 9 miles south of Perryton.		
Gray soil and clay - - - -	10	10
Gray clay - - - -	7	17
Light-gray clay and gravel	3	20
Struck water at 18 feet. Water level, 17 feet below top of ground, 2 hours after hole completed. Jan. 19, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 203</u>		
Creek bottoms, Clinton Apple Est., NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 48, blk. 13, T. & N. O. R.R. sur., 300 feet east of well 202, 9 miles south of Perryton.		
Gray soil - - - -	6	6
Sandy red soil - - - -	6	12
Sandy red clay - - - -	9	21
Coarse-grained white gravel and sand - - - -	1	22
Struck water at 18 feet. Water level, 18.10 feet below top of ground, 4 hours after hole completed. Jan. 8, 1939.		

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

	Thickness (feet)	Depth (feet)
<u>Well 204</u>		
Creek bottoms, Laura Jines tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 48, blk. 13, T. & N. O. R.R. sur., 300 feet north of well 203, 9 miles south of Perryton.		
Sandy gray soil - - -	10	10
Caliche gravel - - -	1	11
Sandy red clay - - -	5	16
Gravel and sandy clay - -	7	23
Struck water at 20 feet. Water level, 20.38 feet below top of ground, 3 hours after hole completed. Jan. 18, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 205</u>		
Creek bottoms, Laura Jines tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 48, blk. 13, T. & N. O. R.R. sur., 300 feet south of well 203, 9 miles south of Perryton.		
Light-red sandy top soil -	8	8
Sandy white soil - - -	6	14
White sand and gravel - -	7	21
Struck water at 20 feet. Water level, 20 feet below top of ground, 5 hours after hole completed. Jan. 18, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 206</u>		
Creek bottoms, Laura Jines tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 48, blk. 13, T. & N. O. R.R. sur., 300 feet east of well 205, 9 miles south of Perryton.		
Gray top soil - - -	1	1
Fine-grained sand - - -	5	6
Sandy gray soil - - -	11	17
Sandy gray clay - - -	6	23
Light-gray sand - - -	4	27
Struck water at 19 feet. Water level, 19.36 feet below top of ground, 3 hours after hole completed. Jan. 16, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 207</u>		
Creek bottoms, Laura Jines tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 40, blk. 13, T. & N. O. R.R. sur., 300 feet southeast of well 206, 9 miles south of Perryton.		
Sandy gray top soil - - -	6	6
Gray soil and clay - - -	4	10
Sandy red clay - - -	8	18
Sandy light-gray clay - -	7	25
Jan. 17, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 208</u>		
Creek bottoms, Laura Jines tract, SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 48, blk. 13, T. & N. O. R.R. sur., 400 feet southeast of well 207, 9 miles south of Perryton.		

	Thickness (feet)	Depth (feet)
<u>Well 208--Continued</u>		
Red top soil - - -	1	1
Sandy red soil - - -	12	13
Jan. 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 209</u>		
Creek bottoms, Laura Jines tract, SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 48, blk. 13, T. & N. O. R.R. sur., 300 feet southeast of well 208, 8 miles south of Perryton.		
Sandy red soil - - -	20	20
Sandy gray clay - - -	4	24
Sandy light-gray clay - -	3	27
Light-red sand - - -	3	30
Jan. 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 210</u>		
Creek bottoms, Laura Jines tract, SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 48, blk. 13, T. & N. O. R.R. sur., 600 feet east of well 209, 9 miles south of Perryton.		
Sandy red soil - - -	14	14
Sandy red clay and caliche	1	15
Sandy gravel - - -	1	16
Sandy blue clay - - -	4	20
Sand - - -	3	23
Red clay - - -	4	27
Jan. 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 211</u>		
Creek bottoms, Laura Jines tract, SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 48, blk. 13, T. & N. O. R.R. sur., 300 feet east of well 210, 9 miles south of Perryton.		
Gray sandy clay - - -	6	6
Red sandy soil - - -	10	16
Light-red sandy clay - -	4	20
Sandy caliche gravel and clay - - -	5	25
Red sandy clay - - -	3	28
Struck water at 26 feet. Water level, 26 feet below top of ground, 3 hours after hole completed. Jan. 24, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 212</u>		
Creek bottoms, Laura Jines tract, SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 48, blk. 13, T. & N. O. R.R. sur., 300 feet southeast of well 211, 9 miles south of Perryton.		
Sandy red clay - - -	22	22
Rock - - -	-	22
Jan. 21, 1939.		

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

	Thickness (feet)	Depth (feet)
<u>Well 213</u>		
Creek bottoms, Laura Jines tract, SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 48, blk. 13, T. & N. O. R.R. sur., 425 feet northeast of well 212, 300 feet north of well 214, 9 miles south of Perryton.		
Sandy top soil - - -	9	9
Sandy red soil - - -	7	16
Sandy clay and gravel - -	5	21
Sandy red clay - - -	4	25
Struck water at 22 $\frac{1}{2}$ feet. Water level, 23 feet below top of ground, 2 hours after hole completed. Jan. 24, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 214</u>		
Creek bottoms, Laura Jines tract, SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 48, blk. 13, T. & N. O. R.R. sur., 300 feet east of well 212, 9 miles south of Perryton.		
Sandy light-gray top soil -	15	15
Red clay soil - - -	9	24
Gray clay - - -	1	25
Sand - - -	4	29
Struck water at 25 feet. Water level, 25 feet below top of ground, 1 hour after hole completed. Jan. 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 215</u>		
Creek bottoms, Laura Jines tract, SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 48, blk. 13, T. & N. O. R.R. sur., 350 feet southeast of well 214, 9 miles south of Perryton.		
Red top soil - - -	2	2
Light-gray soil and gravel	3	5
Sandy light-red soil - -	14	19
Red clay and caliche - -	4	23
Sandy red clay - - -	5	28
Caliche - - -	1	29
Struck water at 25 feet. Water level, 25 $\frac{1}{2}$ feet below top of ground, 2 hours after hole completed. Jan. 23, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 216</u>		
Creek bottoms, Laura Jines tract, SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 660, blk. 43, H. & T. C. R.R. sur., about 600 feet northeast of well 215, 9 miles south of Perryton.		
Gray clay - - -	8	8
Sandy red clay - - -	2	10
Sandy white gravel - - -	2	12
Sandy light-red soil - -	6	18
Rock - - -	-	18
Jan. 19, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 217</u>		
Creek bottoms, Laura Jines tract, SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 660, blk. 43, H. & T. C. R.R. sur., 300 feet south of well 216, 9 miles south of Perryton.		
Sandy top soil - - -	1	1
Sandy soil - - -	2	3
Sandy gray soil - - -	4	7
Gray clay and gravel - -	4	11
Sandy red soil - - -	6	17
Clay and gravel - - -	3	20
Rock - - -	-	20
Jan. 19, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 218</u>		
Creek bottoms, Laura Jines tract, SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 660, blk. 43, H. & T. C. R.R. sur., 300 feet east of well 217, 9 miles south of Perryton.		
Gray clay - - -	1	1
Sandy light-red soil - -	6	7
Sand - - -	1	8
Gray clay - - -	11	19
Red clay and caliche - -	5	24
Rock - - -	-	24
Jan. 19, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 219</u>		
Creek bottoms, Laura Jines tract, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 660, blk. 43, H. & T. C. R.R. sur., 350 feet south of well 218, 9 miles south of Perryton.		
Sandy light-red top soil -	20	20
Gray clay - - -	2	22
Caliche - - -	1	23
Sandy fine-grained soil -	3	26
Light-gray clay - - -	1	27
Fine-grained sandy red soil	20	47
Rock - - -	-	47
Struck water at 46 feet. Water level, 46 feet below top of ground, 2 hours after hole completed. Jan. 21, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 220</u>		
Creek bottoms, Laura Jines tract, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 660, blk. 43, H. & T. C. R.R. sur., 300 feet east of well 219, 9 miles south of Perryton.		
Gray top soil - - -	1	1
Fine-grained sandy red soil	3	4
Gray soil - - -	13	17
Gray clay and caliche - -	1	18
Sandy red clay - - -	6	24
Sandy gray soil - - -	6	30

(Continued on next page)

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

	Thickness (feet)	Depth (feet)
Well 220--Continued		
Fine-grained sandy light-red soil - - -	5	35
Red sandy soil - - -	5	40
Rock - - -	-	40
Jan. 21, 1939.		

	Thickness (feet)	Depth (feet)
Well 221		
Creek bottoms, Laura Jines tract, NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 660, blk. 43, H. & T. C. R.R. sur., 350 feet southeast of well 220, 9 $\frac{1}{2}$ miles south of Perryton.		
Sandy gray soil - - -	7	7
Sandy light-red soil - - -	13	20
Gray clay - - -	5	25
Light-red sand - - -	4	29
Sandy gray clay - - -	1	30
White sand - - -	2	32
Sandy gravel - - -	4	36
Rock - - -	-	36
Jan. 21, 1939.		

	Thickness (feet)	Depth (feet)
Well 222		
Creek bottoms, Laura Jines tract, NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 660, blk. 43, H. & T. C. R.R. sur., 300 feet east of well 221, 9 $\frac{1}{2}$ miles south of Perryton.		
Sandy red soil - - -	8	8
Fine-grained sandy red soil -	11	19
White sand - - -	5	24
Sandy red soil - - -	18	42
Light-red sand - - -	8	50
Jan. 24, 1939.		

	Thickness (feet)	Depth (feet)
Well 223		
Creek bottoms, Laura Jines tract, NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 660, blk. 43, H. & T. C. R.R. sur., 300 feet southeast of well 222, 9 $\frac{1}{2}$ miles south of Perryton.		
Red top soil - - -	6	6
Rock - - -	-	6
Jan. 24, 1939.		

	Thickness (feet)	Depth (feet)
Well 231		
Creek bottoms, Walter Keim tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 567, blk. 43, H. & T. C. R.R. sur., 11 $\frac{1}{2}$ miles southeast of Perryton.		
Sandy light gray soil - - -	5	5
Sandy caliche and clay - - -	6	11
Red sand - - -	12	23
Nov. 29, 1938.		

	Thickness (feet)	Depth (feet)
Well 232		
Creek bottoms, Walter Keim tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 567, blk. 43, H. & T. C. R.R. sur., 300 feet east of well 231, 11 $\frac{1}{2}$ miles southeast of Perryton.		
Sandy red clay - - -	8	8
Red caliche and sandy clay	2	10
Sandy red soil - - -	10	20
Sandy caliche - - -	3	23
Nov. 29, 1938.		

	Thickness (feet)	Depth (feet)
Well 233		
Creek bottoms, Frank Keim tract, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 578, blk. 43, H. & T. C. R.R. sur., 435 feet north and 50 feet east of well 232, 11 $\frac{1}{2}$ miles southeast of Perryton.		
Sandy top soil - - -	2	2
Sandy red clay - - -	17	19
White sand and gravel - - -	2	21
Sandy red clay - - -	3	24
Dec. 3, 1938.		

	Thickness (feet)	Depth (feet)
Well 234		
Creek bottoms, Walter Keim tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 567, blk. 43, H. & T. C. R.R. sur., 417 feet south of well 232, 11 $\frac{1}{2}$ miles southeast of Perryton.		
Red sand - - -	5	5
Sandy gray soil - - -	4	9
Sandy red soil - - -	10	19
Red sand - - -	5	24
White sand - - -	4	28
Struck water at 24 feet. Water level, 27.80 feet below top of ground, 24 hours after hole completed. Nov. 28, 1938.		

	Thickness (feet)	Depth (feet)
Well 235		
Creek bottoms, Walter Keim tract NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 567, blk. 43, H. & T. C. R.R. sur., 300 feet east of well 232, 11 $\frac{1}{2}$ miles southeast of Perryton.		
Sandy top soil - - -	5	5
Sandy red soil - - -	5	10
Sandy red clay - - -	8	18
Gravel and sandy clay - - -	1	19
Light-red clay and sand - - -	8	27
Gray clay and sand - - -	9	36
Struck water at 24 feet. Water level, 24 feet below top of ground, 14 hours after hole completed. Dec. 1, 1938.		

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

	Thickness (foot)	Depth (feet)
<u>Well 236</u>		
Creek bottoms, Walter Keim tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 567, blk. 43, H. & T. C. R.R. sur., 300 feet east of well 235, 11 $\frac{1}{2}$ miles southeast of Perryton.		
Sandy light-red soil - - -	4	4
Sandy gray soil - - -	5	9
Sandy light-red soil - - -	7	16
Sandy red clay - - -	5	21
Red sand - - -	3	24
Sandy white gravel - - -	3	27
Nov. 30, 1938.		

	Thickness (foot)	Depth (feet)
<u>Well 237</u>		
Creek bottoms, Walter Keim tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 567, blk. 43, H. & T. C. R.R. sur., about 1,000 feet southeast of well 236, 12 miles southeast of Perryton.		
Sandy top soil - - -	10	10
Sand - - -	3	13
Sandy gravel - - -	3	16
Sandy clay - - -	7	23
Struck water at 16 feet. Water level, 16 feet below top of ground, 10 hours after hole completed. Nov. 29, 1938.		

	Thickness (foot)	Depth (feet)
<u>Well 238</u>		
Creek bottoms, Walter Keim tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 567, blk. 43, H. & T. C. R.R. sur., 300 feet east of well 237, 12 miles southeast of Perryton.		
Light-gray sand - - -	8	8
Light-colored sand - - -	7	15
Sand, soil and clay - - -	5	20
Sandy dark-colored clay - - -	4	24
Struck water at 14 feet. Water level, 14 feet below top of ground, 15 hours after hole completed. Nov. 28, 1938.		

	Thickness (foot)	Depth (feet)
<u>Well 239</u>		
Creek bottoms, Walter Keim tract, N $\frac{1}{2}$ NE $\frac{1}{4}$ sec. 567, blk. 43, H. & T. C. R.R. sur., 300 feet southeast of well 238, 12 miles southeast of Perryton.		
Top soil - - -	2	2
Fine-grained sandy soil - - -	5	7
Nov. 29, 1938.		

	Thickness (foot)	Depth (feet)
<u>Well 245</u>		
Creek bottoms, S. J. Handley tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 565, blk. 43, H. & T. C. R.R. sur., 13 $\frac{1}{2}$ miles southeast of Perryton.		
Sandy top soil - - -	1	1
Fine-grained sand - - -	4	5
Sandy caliche gravel - - -	2	7
Feb. 2, 1939.		

	Thickness (foot)	Depth (feet)
<u>Well 246</u>		
Creek bottoms, S. J. Handley tract, NE $\frac{1}{4}$ NF $\frac{1}{4}$ sec. 565, blk. 43, H. & T. C. R.R. sur., about 300 feet southeast of well 245, 13 $\frac{1}{2}$ miles southeast of Perryton.		
Sandy top soil - - -	3	3
Sand - - -	5	8
Sand and gravel - - -	2	10
Sand - - -	2	12
Sandy clay - - -	2	14
Sand and gravel - - -	1	15
Sandy clay - - -	2	17
Feb. 2, 1939.		

	Thickness (foot)	Depth (feet)
<u>Well 247</u>		
Creek bottoms, S. J. Handley tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 565, blk. 43, H. & T. C. R.R. sur., 300 feet northeast of well 245, 13 $\frac{1}{2}$ miles southeast of Perryton.		
Sandy fine-grained top soil - - -	5	5
Sand - - -	6	11
Sandy clay - - -	2	13
Sandy caliche gravel - - -	1	14
Struck water at 11 $\frac{1}{2}$ feet. Water level, 11.75 feet below top of ground, 74 hours after hole completed. Feb. 2, 1939.		

	Thickness (foot)	Depth (feet)
<u>Well 248</u>		
Creek bottoms, S. J. Handley tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 565, blk. 43, H. & T. C. R.R. sur., 300 feet east of well 247, 13 $\frac{1}{2}$ miles southeast of Perryton.		
Sandy fine-grained top soil - - -	3	3
Fine-grained sand - - -	4	7
Sandy caliche gravel and clay - - -	3	10
Feb. 2, 1939.		

	Thickness (foot)	Depth (feet)
<u>Well 249</u>		
Creek bottoms, S. J. Handley tract, SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 565, blk. 43, H. & T. C. R.R. sur., 300 feet southeast of well 248, 13 $\frac{1}{2}$ miles southeast of Perryton.		
Sandy fine-grained top soil - - -	2	2
Fine-grained sand - - -	3	5
Sand - - -	1	6
Sand and caliche gravel - - -	1	7
Feb. 2, 1939.		

	Thickness (foot)	Depth (feet)
<u>Well 250</u>		
Creek bottoms, Ochiltree County lands, SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 56 $\frac{1}{2}$, blk. 43, H. & T. C. R.R. sur., about 400 feet east of well 249, 13 $\frac{1}{2}$ miles southeast of Perryton.		
Feb. 2, 1939.		

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

	Thickness (feet)	Depth (feet)
<u>Well 250--Continued</u>		
Sandy top soil - - -	1	1
Sandy fine-grained soil - -	5	6
Fine-grained sand - - -	2	8
Feb. 2, 1939.		

<u>Well 251</u>		
Creek bottoms, Ochiltree County lands, SW $\frac{1}{4}$ N $\frac{1}{2}$ sec. 564, blk. 43, H. & T. C. R.R. sur., 300 feet southeast of well 250, 13 $\frac{1}{2}$ miles southeast of Perryton.		
Sandy fine-grained top soil -	4	4
Sand and caliche gravel - -	9	13
Struck water at 12 feet. Water level, 12 feet below top of ground, 2 hours after hole completed. Feb. 2, 1939.		

<u>Well 252</u>		
Creek bottoms, Ochiltree County lands, SW $\frac{1}{4}$ N $\frac{1}{2}$ sec. 564, blk. 43, H. & T. C. R.R. sur., 300 feet southeast of well 251, 13 $\frac{1}{2}$ miles southeast of Perryton.		
Fine-grained top soil - -	4	4
Sand - - - - -	8	12
Fine-grained gravel and clay - - - - -	2	14
Sandy red soil - - -	2	16
Feb. 2, 1939.		

<u>Well 253</u>		
Creek bottoms, Ochiltree County lands, SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 564, blk. 43, H. & T. C. R.R. sur., 300 feet southeast of well 252, 13 $\frac{1}{2}$ miles southeast of Perryton.		
Red top soil - - - -	4	4
Fine-grained sandy soil -	2	6
Sand - - - - -	1	7
Sandy clay - - - - -	1	8
Sand and gravel - - -	2	10
Feb. 2, 1939.		

<u>Well 254</u>		
Creek bottoms, Ochiltree County lands, SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 564, blk. 43, H. & T. C. R.R. sur., 300 feet southeast of well 253, 13 $\frac{1}{2}$ miles southeast of Perryton.		
Fine-grained sandy top soil -	5	5
Sand - - - - -	3	8
Sandy clay soil - - -	1	9
Feb. 2, 1939.		

<u>Well 255</u>		
Creek bottoms, Ochiltree County lands, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 564, blk. 43, H. & T. C. R.R. sur., 300 feet north of well 253, 13 $\frac{1}{2}$ miles southeast of Perryton.		

	Thickness (feet)	Depth (feet)
<u>Well 255-Continued</u>		
Sandy gravel and soil -	3	3
Rock - - - - -	-	3
Feb. 2, 1939.		

<u>Well 259</u>		
Creek bottoms, V. McLanahan tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 495, blk. 43, H. & T. C. R.R. sur., 16 miles southeast of Perryton.		
Sandy top soil - - -	1	1
Sand - - - - -	7	8
Sandy gravel - - -	5	13
Struck water at 12 feet. Water level, 12 feet below top of ground, 24 hours after hole completed. Dec. 3, 1938.		

<u>Well 260</u>		
Creek bottoms, V. McLanahan tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 495, blk. 43, H. & T. C. R.R. sur., 270 feet north of well 259, 16 miles southeast of Perryton.		
Sand - - - - -	10	10
Sandy gravel - - -	5	15
Struck water at 14 feet. Water level, 14 feet below top of ground, 24 hours after hole completed. Dec. 3, 1938.		

<u>Well 264</u>		
Creek bottoms, J. H. Calliham tract, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 497, blk. 43, H. & T. C. R.R. sur., 17 $\frac{1}{2}$ miles southeast of Perryton.		
Top soil - - - - -	2	?
Sandy red soil - - -	17	19
Sandy red clay - - -	12	31
Gray clay - - - - -	9	40
Struck water at 30 feet. Water level, 30.70 feet below top of ground, 24 hours after hole completed. Dec. 3, 1938.		

<u>Well 265</u>		
Creek bottoms, J. H. Calliham tract, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 497, blk. 43, H. & T. C. R.R. sur., 285 feet south of well 264, 17 $\frac{1}{2}$ miles southeast of Perryton.		
Fine-grained sandy red soil	9	9
Caliche and clay - - -	4	13
Fine-grained sandy red soil	2	15
Caliche clay - - - - -	1	16
Dec. 1, 1938.		

<u>Well 266</u>		
Creek bottoms, J. H. Calliham tract, SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 497, blk. 43, H. & T. C. R.R. sur., 620 feet northeast of well 264, 17 $\frac{1}{2}$ miles southeast of Perryton.		

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Logs of W. F. A. test wells in Ochiltree County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 266--Continued</u>		
Top soil - - - -	4	4
Red sandy soil - - -	9	13
Red sandy clay - - -	7	20
Light-red sandy soil - -	5	25
Red sandy clay - - -	11	36
Struck water at 30 feet. Water level, 30 feet below top of ground, 24 hours after hole completed. Nov. 30, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 267</u>		
Creek bottoms, J. H. Calliham tract, SE $\frac{1}{2}$ SW $\frac{1}{2}$ sec. 497, blk. 43, H. & T. C. R.R. sur., 828 feet east of well 264, 17 $\frac{1}{2}$ miles southeast of Perryton.		
Top soil - - - -	2	2
Red clay soil - - -	18	20
Gray clay - - - -	8	28
Struck water at 23 feet. Water level, 23 feet below top of ground, 10 hours after hole completed. Dec. 3, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 268</u>		
Creek bottoms, J. C. Calliham tract, SW $\frac{1}{2}$ SE $\frac{1}{2}$ sec. 497, blk. 43, H. & T. C. R.R. sur., 960 feet northeast of well 267, 1,000 feet east of well 266, 17 $\frac{1}{2}$ miles southeast of Perryton.		
Top soil - - - -	2	2
Sandy red clay soil - -	13	15
Sandy red clay - - -	12	27
Red sand - - - -	2	29
Struck water at 22 feet. Water level, 22 feet below top of ground, 24 hours after hole completed. Nov. 30, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 269</u>		
Creek bottoms, J. H. Calliham tract, SE $\frac{1}{2}$ SW $\frac{1}{2}$ sec. 497, blk. 43, H. & T. C. R.R. sur., 540 feet southeast of well 267, 17 $\frac{1}{2}$ miles southeast of Perryton.		
Fine-grained sandy red soil	10	10
Sand - - - -	9	19
Dec. 1, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 366</u>		
Dry lake, L. H. Lance tract, SE $\frac{1}{2}$ SW $\frac{1}{2}$ sec. 6, blk. 13, T. & N. O. R.R. sur., 7 $\frac{1}{2}$ miles southwest of Perryton.		
Gray clay - - - -	1	1
Red clay and caliche - -	6	7
Light-red clay - - -	3	10
Light-gray clay - - -	5	15
Light-red clay - - -	1	16
Jan. 30, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 367</u>		
Dry lake, L. H. Lance tract, SE $\frac{1}{2}$ SW $\frac{1}{2}$ sec. 6, blk. 13, T. & N. O. R.R. sur., 300 feet east of well 366, 7 $\frac{1}{2}$ miles southwest of Perryton.		
Gray clay - - - -	2	2
Red clay and caliche - -	5	7
Light-gray clay - - -	6	13
Red clay - - - -	5	18
Red clay and caliche - -	3	21
Red clay - - - -	4	25
Red clay and caliche - -	5	30
Caliche - - - -	4	34
Jan. 31, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 368</u>		
Dry lake, L. H. Lance tract, SW $\frac{1}{2}$ SE $\frac{1}{2}$ sec. 6, blk. 13, T. & N. O. R.R. sur., 300 feet east of well 367, 7 $\frac{1}{2}$ miles southwest of Perryton.		
Gray clay - - - -	10	10
Red clay - - - -	15	25
Red clay and caliche - -	2	27
Jan. 31, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 369</u>		
Dry lake, L. H. Lance tract, SW $\frac{1}{2}$ SE $\frac{1}{2}$ sec. 6, blk. 13, T. & N. O. R.R. sur., 300 feet east of well 368, 7 $\frac{1}{2}$ miles southwest of Perryton.		
Red clay - - - -	4	4
Red clay and caliche - -	10	14
Red clay - - - -	4	18
Red clay and caliche - -	3	21
Red clay - - - -	5	26
Red clay soil - - - -	6	32
Red clay and caliche - -	5	37
Caliche - - - -	8	45
Jan. 31, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 381</u>		
Creek bottoms, L. D. Turner tract, NE $\frac{1}{2}$ NW $\frac{1}{2}$ sec. 31, blk. 13, T. & N. O. R.R. sur., 7 miles south of Perryton.		
Red clay soil - - - -	5	5
Red clay and caliche - -	2	7
Rock - - - -	-	7
Feb. 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 382</u>		
Creek bottoms, L. D. Turner tract, NE $\frac{1}{2}$ NW $\frac{1}{2}$ sec. 31, blk. 13, T. & N. O. R.R. sur., 300 feet south of well 381, 7 miles south of Perryton.		

(Continued on next page)

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

	Thickness (feet)	Depth (feet)
<u>Well 382--Continued</u>		
Fine-grained top soil and caliche gravel - - -	4	4
Rock - - - - -		4
Feb. 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 383</u>		
Creek bottoms, L. D. Turner tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, blk. 13, T. & N. O. R.R. sur., 300 feet south of well 382, 7 miles south of Perryton.		
Gray clay top soil - - -	4	4
Sandy red clay - - - - -	5	9
Caliche - - - - -	1	10
Rock - - - - -		10
Feb. 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 384</u>		
Creek bottoms, L. D. Turner tract, SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, blk. 13, T. & N. O. R.R. sur., 300 feet south of well 383, 7 $\frac{1}{2}$ miles south of Perryton.		
Top soil - - - - -	1	1
Sandy fine-grained soil - - -	4	5
Rock - - - - -		5
Feb. 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 385</u>		
Creek bottoms, L. D. Turner tract, SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, blk. 13, T. & N. O. R.R. sur., 300 feet south of well 384, 7 $\frac{1}{2}$ miles south of Perryton.		
Sandy top soil - - - - -	3	3
Fine-grained red soil - - -	3	6
Sandy clay and caliche - - -	1	7
Sandy red soil - - - - -	1	8
Fine-grained sandy caliche - - -	4	12
Sandy red clay - - - - -	9	21
Feb. 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 386</u>		
Creek bottoms, L. D. Turner tract, SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, blk. 13, T. & N. O. R.R. sur., 300 feet south of well 385, 7 $\frac{1}{2}$ miles south of Perryton.		
Fine-grained top soil - - -	3	3
Sandy red soil - - - - -	2	5
Rock - - - - -		5
Feb. 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 387</u>		
Creek bottoms, L. D. Turner tract, NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 31, blk. 13, T. & N. O. R.R. sur., 300 feet south of well 386, 7 $\frac{1}{2}$ miles south of Perryton.		

	Thickness (feet)	Depth (feet)
<u>Well 387--Continued</u>		
Fine-grained top soil - - -	4	4
Sandy red soil - - - - -	7	11
Red sand - - - - -	4	15
White sand - - - - -	3	18
Struck water at 15 $\frac{1}{2}$ feet. Water level, 15.90 feet below top of ground, 21 hours after hole completed. Feb. 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 390</u>		
Creek bottoms, Pais & Schultz tract, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 37, blk. 13, T. & N. O. R.R. sur., 9 miles southwest of Perryton.		
Dark-gray clay - - - - -	1	1
Red clay soil - - - - -	9	10
Feb. 1, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 391</u>		
Creek bottoms, Pais & Schultz tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 37, blk. 13, T. & N. O. R.R. sur., 300 feet west of well 390, 9 miles southwest of Perryton.		
Red clay soil - - - - -	8	8
Feb. 1, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 392</u>		
Creek bottoms, Pais & Schultz tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 37, blk. 13, T. & N. O. R.R. sur., 300 feet northwest of well 391, 9 miles southwest of Perryton.		
Gray top soil - - - - -	3	3
Red soil - - - - -	10	13
Gray clay - - - - -	2	15
Gray clay and caliche - - -	2	17
White caliche - - - - -	4	21
Sandy yellow caliche - - -	1	22
Sandy red clay and caliche - - -	1	23
Feb. 1, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 393</u>		
Creek bottoms, Pais & Schultz tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 37, blk. 13, T. & N. O. R.R. sur., 300 feet west of well 396, 50 feet northeast of well 394, 9 $\frac{1}{2}$ miles southwest of Perryton.		
Red top soil - - - - -	7	7
Sandy coarse-grained clay - - -	2	9
Gray clay - - - - -	5	14
Sandy red clay - - - - -	1	15
Feb. 1, 1939.		

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

	Thickness (feet)	Depth (feet)
<u>Well 394</u>		
Creek bottoms, Pais & Schultz tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 37, blk. 13, T. & N. O. R.R. sur., 50 feet southwest of well 393, 9 $\frac{1}{2}$ miles southwest of Perryton.		
Fine-grained gray soil -	9	9
Feb. 1, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 395</u>		
Creek bottoms, Pais & Schultz tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 37, blk. 13, T. & N. O. R.R. sur., 300 feet northwest of well 392, 9 miles southwest of Perryton.		
Red clay soil - - - -	10	10
Gray clay - - - -	3	13
Red clay - - - -	1	14
Caliche and clay - - -	1	15
Rock - - - -	-	15
Feb. 1, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 396</u>		
Creek bottoms, Pais & Schultz tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 37, blk. 13, T. & N. O. R.R. sur., 300 feet west of well 395, 9 miles southwest of Perryton.		
Gray top soil - - -	2	2
Red clay soil - - -	13	15
Light-gray clay and caliche - - - -	2	17
Rock - - - -	-	17
Feb. 1, 1939.		

Partial analyses of water from wells in Ochiltree County, Texas

(Analyzed at The University of Texas under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry, and E. W. Lohr, Chemist, U. S. Department of the Interior, Geological Survey; by D. F. Riddell, and H. T. Davidson, Chemists; and Martin Wieland, Jack Ramsey, and D. C. Ebner, Assistant Chemists. Nitrate and fluoride determined by E. W. Lohr. Results are in parts per million. Well numbers correspond to numbers in table of well records.)

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
5	Nelson M. Willard	Spring	Nov. 1, 1938	250	54	37	-	293	12	2	-	-	288
6	C. J. Frantz	285	do.	283	46	24	28	220	38	39	b/	-	215
7	Grover Brillhart	218	Oct. 15, 1938	215	-	-	-	232	10	7	b/	-	-
8	Homer Gurley	256	do.	225	65	11	8	244	14	7	b/	-	207
9	Lillie Jewel	240	do.	309	63	35	-	268	17	37	b/	1.9	302
12	A. L. Buzzard	239	Oct. 6, 1938	265	-	-	-	250	27	14	b/	-	-
13	S. R. McClure	206	Jan. 6, 1939	252	-	-	-	250	19	13	b/	-	-
14	Johnson & Hogland	225	Nov. 1, 1938	231	-	-	-	238	12	12	b/	-	-
15	Alliance Life Ins. Co.	240	do.	263	43	25	24	256	25	20	b/	-	211
17	Johnson & Hogland	360	Nov. 6, 1938	365	24	5	110	256	71	24	b/	2.2	78
18	Adam Thompson	50	do.	-	-	-	-	-	34	59	-	-	-
21	A. F. Bond	230	Oct. 13, 1938	539	50	24	120	256	92	127	b/	-	225
22	Mrs. Hattie Newman	245	Oct. 11, 1938	261	38	17	40	235	27	23	b/	-	165
24	Robert Lawrence	300	Oct. 13, 1938	312	-	-	-	287	27	14	b/	-	-
25	J. H. Key	285	Jan. 6, 1939	224	41	27	9	244	20	7	b/	-	212
34	Nora N. Condon	280	Oct. 14, 1938	234	-	-	-	244	15	9	b/	-	-
35	John Budock	265	Jan. 3, 1939	219	34	26	16	232	15	14	b/	-	191
36	Frank Chambers	290	Oct. 5, 1938	352	40	17	73	287	42	23	b/	2.2	170
37	G. T. McLarty	295	Oct. 15, 1938	398	-	-	-	268	38	71	b/	-	-
38	J. W. Short	240	Oct. 5, 1938	238	54	23	5	238	27	12	b/	-	229
54	J. H. Halsey	331	Oct. 20, 1938	359	60	30	34	287	35	47	b/	-	274
55	S. R. George	315	Nov. 5, 1938	269	-	-	-	268	18	15	b/	-	-
56	City of Perryton	400	Oct. 6, 1938	241	42	23	18	195	31	29	b/	2.3	199
57	do.	400	do.	264	53	28	10	244	25	26	b/	2.4	247
58	E. T. R. Affleck	255	Dec. 22, 1938	275	-	-	-	268	18	19	b/	-	-
101	H. N. Evans	250	Oct. 14, 1938	334	47	18	57	238	42	53	b/	-	191
102	C. E. McGarrough	263	do.	320	54	23	35	226	50	45	b/	1.8	229
103	J. D. Copeland	274	Oct. 11, 1938	292	50	24	30	287	20	15	b/	-	225
107	G. R. Wilson	263	Oct. 17, 1938	298	51	27	26	281	28	19	b/	-	236

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
123	Mrs. T. M. Dwight	312	Oct. 19, 1938	314	69	27	12	281	28	25	b/	-	281
124	M. L. Brillhart	227	Jan. 30, 1939	250	41	27	14	207	30	21	b/	-	212
126	D. F. & Harold Osborne	240	Oct. 26, 1938	413	73	42	21	250	58	94	b/	1.9	356
135	H. C. Dodson	270	Dec. 20, 1938	334	-	-	-	262	29	50	b/	-	-
140	do.	228	Oct. 1, 1938	207	-	-	-	232	a/	5	b/	1.2	-
141	S. L. Brillhart	240	Oct. 19, 1938	279	-	-	-	262	32	12	b/	-	-
147	Carl Ellis	237	Nov. 10, 1938	256	-	-	-	256	15	16	b/	-	-
148	Mrs. G. H. Murphy	312	Dec. 22, 1938	446	72	43	37	268	26	136	b/	-	357
149	R. P. Garrison	250	Oct. 19, 1938	333	65	35	8	262	60	21	b/	2.9	306
150	B. S. Ellis	240	do.	269	-	-	-	214	32	24	b/	-	-
151	R. H. Francis	240	do.	264	58	22	9	207	28	29	b/	-	233
152	Lena Lambert	221	Oct. 21, 1938	283	47	41	-	244	23	43	b/	-	285
153	Alliance Life Ins. Co.	31	Nov. 30, 1938	230	-	-	-	232	15	12	b/	-	-
154	T. H. Halliburton	150	do.	207	57	12	9	232	a/	6	b/	-	190
155	Henry Helfenbien	247	Dec. 22, 1938	257	-	-	-	256	19	13	b/	-	-
156	G. F. Linsey	254	do.	253	-	-	-	256	14	15	b/	-	-
157	Robert Pinkerton	220	Oct. 21, 1938	239	47	27	11	281	a/	7	b/	-	226
158	J. J. Sell	250	do.	276	63	28	-	281	27	11	b/	1.2	272
159	H. Holdeman	301	Dec. 22, 1938	294	53	35	12	287	21	32	b/	-	276
160	W. L. Anderson	280	do.	296	47	32	22	256	27	42	b/	-	250
162	S. P. Whippo	240	Oct. 21, 1938	281	-	-	-	281	27	8	b/	-	-
163	A. E. Devers	260	Jan. 11, 1939	320	50	31	30	287	30	38	b/	-	254
164	Jennie M. Bollinger	236	Dec. 22, 1938	292	52	29	21	275	22	33	b/	-	248
165	N. W. Willard	265	Jan. 1, 1939	301	53	27	25	250	34	37	b/	1.4	242
166	Mrs. G. H. Murphy	240	Dec. 22, 1938	275	-	-	-	238	30	24	b/	-	-
167	do.	260	do.	266	44	36	8	262	26	23	b/	-	257
168	R. J. Barlow	283	Oct. 21, 1938	288	53	34	11	305	31	9	b/	-	271
169	Russ. Thomas	270	Oct. 19, 1938	311	58	30	18	299	28	18	b/	-	269
173	M. H. Crum	240	Dec. 15, 1938	277	-	-	-	268	17	21	b/	-	-
175	T. E. Towell	246	Nov. 17, 1938	346	55	27	37	220	58	61	b/	1.6	246
176	Nora M. Condon	240	do.	318	-	-	-	244	35	44	b/	-	-
177	Omer G. Prewett	240	do.	345	54	29	36	232	46	66	b/	-	253

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
178	John H. Lawson	269	Nov. 17, 1938	392	60	38	31	238	54	83	b/	1.3	309
179	W. P. Stallings	290	Jan. 11, 1939	342	-	-	-	238	34	63	b/	-	-
180	J. L. Hunter	269	Oct. 17, 1938	404	76	29	30	214	77	80	b/	-	308
181	Mrs. J. D. Wade	260	Dec. 30, 1938	273	46	24	26	250	26	28	b/	-	215
182	J. W. Day	260	Oct. 21, 1938	299	-	-	-	244	38	29	b/	-	-
183	A. C. Wichman	255	do.	402	68	31	36	207	73	90	b/	1.7	299
184	John Lawson	290	Dec. 15, 1938	398	-	-	-	214	55	93	b/	-	-
185	Hunton School District	265	do.	389	74	36	19	226	59	90	b/	-	332
186	G. E. Lemon	320	Oct. 17, 1938	475	70	40	50	232	60	132	b/	1.2	339
187	Roy F. Doerrie	217	Jan. 11, 1939	450	58	32	65	238	67	100	b/	-	275
188	John Sell	256	Oct. 17, 1938	312	-	-	-	244	20	48	b/	-	-
189	Mrs. Cora Duke	250	Dec. 30, 1938	325	-	-	-	256	26	50	b/	-	-
190	Morris E. Smith	260	do.	298	62	30	11	268	19	44	b/	-	279
201	Margery H. Bowles	101	Dec. 16, 1938	293	80	24	a/	342	10	5	b/	3	300
224	Mrs. Laura Jines	Spring	Oct. 8, 1938	118	29	10	5	140	75	4	b/	1.3	111
225	do.	60	Jan. 20, 1939	-	-	-	-	-	15	5	b/	-	-
226	Leon G. Carter	60	Oct. 26, 1938	254	-	-	-	268	11	12	b/	-	-
227	Sam McLain	68	Dec. 19, 1938	222	68	13	-	244	10	6	b/	3	223
228	do.	55	Oct. 26, 1938	391	76	27	35	360	16	31	29	0.3	302
229	J. C. Bennett	207	Nov. 8, 1938	225	-	-	-	238	12	8	b/	-	-
240	Walter Keim	150	do.	300	71	31	5	345	a/	13	b/	2.6	306
242	do.	96	Dec. 23, 1938	247	-	-	-	256	14	11	b/	-	-
243	Mrs. H. J. Kennett	54	Oct. 26, 1938	246	-	-	-	256	13	11	b/	-	-
244	do.	42	Dec. 23, 1938	234	58	17	11	250	12	10	b/	2.9	215
256	Ochiltree County	28	Oct. 20, 1938	345	63	27	37	354	23	18	b/	2.8	266
257	do.	23	Nov. 8, 1938	309	74	33	-	336	16	16	b/	3.2	320
258	Tom V. Elizy	44	Oct. 26, 1938	274	-	-	-	287	13	13	b/	-	-
270	J. H. Callihan	33	Nov. 28, 1938	371	88	40	-	275	22	86	b/	-	385
271	Lillie M. Brook	35	do.	332	46	17	64	305	16	37	b/	2.3	185
272	J. H. Callihan	163	do.	435	69	35	46	256	49	110	b/	-	316
273	Jack Mohler	60	Feb. 3, 1939	275	-	-	-	293	15	9	b/	-	-
275	A. E. Steward, et al	12	do.	-	-	-	-	-	15	14	53	-	-
276	Frank L. Hamilton	108	Dec. 29, 1938	231	-	-	-	244	12	9	b/	-	-

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
277	Frank L. Hamilton	187	Dec. 29, 1938	245	-	-	-	262	a/	11	b/	-	-
278	W. F. Taylor	238	Nov. 4, 1938	253	46	37	-	275	12	13	b/	3.5	268
279	J. R. Brown Est.	167	Dec. 29, 1938	234	-	-	-	256	8	8	8	-	-
283	May Patton	245	do.	232	50	30	-	268	11	9	b/	-	249
285	W. M. Good	280	do.	231	-	-	-	244	11	10	b/	-	-
286	do.	202	Nov. 21, 1938	278	66	27	-	220	13	61	b/	-	274
287	C. W. Barker	165	Feb. 3, 1939	254	-	-	-	250	19	14	b/	-	-
288	W. E. Tandy	265	Nov. 4, 1938	253	-	-	-	250	12	20	b/	-	-
289	G. L. Waggoner	206	Nov. 21, 1938	235	-	-	-	250	11	9	b/	-	-
290	Patton & Hoover	260	Nov. 4, 1938	166	30	22	6	183	11	6	b/	2.4	164
292	L. D. Turner	139	Oct. 26, 1938	235	64	17	-	220	23	14	b/	1.9	230
293	Loretta Cowan	131	Dec. 19, 1938	136	34	13	-	134	15	9	b/	-	138
294	N. S. Jines	201	Oct. 26, 1938	194	37	26	-	214	10	8	b/	-	201
296	Lucy T. Powell	245	Dec. 12, 1938	223	-	-	-	238	11	8	b/	-	-
297	W. M. Shrader	260	Jan. 16, 1939	247	48	33	-	232	15	36	b/	-	255
298	J. W. & L. T. Parnell	288	Jan. 20, 1939	219	-	-	-	226	15	8	b/	-	-
301	Patton & Hoover	259	Dec. 19, 1938	164	28	23	-	183	13	6	b/	-	164
302	L. D. Turner	265	do.	238	48	29	6	281	10	7	b/	-	238
303	Patton & Hoover	266	Jan. 18, 1939	267	-	-	-	281	15	10	b/	-	-
304	do.	360	Jan. 10, 1939	266	-	-	-	275	19	9	b/	-	-
305	Roy C. Patton	472	Dec. 29, 1938	576	61	25	123	244	75	171	b/	1.4	256
306	Ray D. Grawthrop	194	Jan. 10, 1939	206	-	-	-	207	11	13	b/	-	-
307	Nan T. Brownlee	235	Feb. 7, 1939	274	52	30	11	287	23	14	b/	1.4	254
308	Patton & Hoover	432	Jan. 10, 1939	249	50	23	16	262	15	16	b/	-	219
309	John W. Johnson	440	do.	282	50	24	24	233	37	30	b/	-	225
311	Dave Wilson	430	Jan. 24, 1939	317	49	25	38	250	41	39	b/	1.9	226
312	C. G. Flowers	430	do.	323	49	28	35	256	52	31	b/	1.9	237
351	Fred Butler	250	Nov. 9, 1938	265	-	-	-	238	38	10	b/	-	-
352	C. B. Barber	250	Nov. 1, 1938	298	-	-	-	244	54	14	b/	-	-
354	Mary B. Weicker	259	Nov. 16, 1938	208	-	-	-	220	13	7	b/	-	-
355	F. P. Rogers	250	Jan. 4, 1939	226	48	24	-	232	25	10	b/	-	220
356	do.	270	do.	217	43	21	11	201	26	17	b/	-	193

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
357	W. B. Lamaster	265	Nov. 16, 1938	313	-	-	-	244	58	20	b/	-	-
358	Mrs. A. L. Truax	240	do.	294	-	-	-	244	48	17	b/	-	-
359	F. P. Rogers	275	Jan. 4, 1939	258	-	-	-	220	37	18	b/	-	-
360	L. R. Conner	256	Dec. 2, 1938	233	47	28	-	250	20	11	b/	-	232
361	D. C. Rogers	275	Jan. 4, 1939	239	-	-	-	214	25	18	b/	-	-
362	W. B. Dennison	266	Oct. 20, 1938	251	-	-	-	226	31	14	b/	-	-
363	Howard A. Hawk	265	Nov. 16, 1938	259	-	-	-	232	28	17	b/	1.3	-
364	E. L. Whippe	286	Jan. 5, 1939	278	-	-	-	232	30	29	b/	-	-
365	do.	252	do.	256	50	27	10	244	37	12	b/	-	235
370	Pais & Schultz	265	Oct. 18, 1938	337	-	-	-	238	40	49	b/	-	-
371	L. A. McClure	300	Oct. 20, 1938	338	-	-	-	232	46	53	b/	-	-
372	H. C. Graham	324	Dec. 8, 1938	379	66	37	23	250	54	76	b/	-	318
373	G. M. Cooper	277	Oct. 18, 1938	319	61	28	20	262	28	39	b/	-	267
375	Walter P. Wright	283	Feb. 1, 1939	329	52	30	31	250	41	52	b/	-	254
376	E. R. Thurman	311	Nov. 12, 1938	292	-	-	-	256	28	27	b/	-	-
377	L. D. Turner	187	Oct. 18, 1938	238	47	28	8	275	12	9	b/	-	232
378	J. M. Blasingame	283	Dec. 16, 1938	248	-	-	-	262	12	10	b/	-	-
379	do.	275	do.	245	-	-	-	256	10	13	b/	-	-
380	S. K. Hill	49	do.	350	102	13	5	293	14	10	b/	-	308
388	J. W. Richardson	90	Jan. 27, 1939	-	-	-	-	-	19	10	43	-	-
389	do.	300	do.	228	47	29	-	256	15	10	b/	-	238
392	W. P. A. test	23	Feb. 1, 1939	240	53	21	12	262	23	3	b/	-	218
398	W. M. Schrader	248	Dec. 8, 1938	194	49	18	a/	214	15	4	b/	1.4	196
399	Phillip Carrol	330	Jan. 27, 1939	412	51	28	66	256	67	74	b/	-	242
401	Mrs. J. M. Stump	335	Dec. 2, 1938	283	52	24	22	256	45	14	b/	-	230
402	John Luthi	355	Jan. 27, 1939	334	-	-	-	262	63	19	b/	-	-
403	W. E. Deart & W. L. Mathers	265	Dec. 2, 1938	180	30	22	7	153	30	16	b/	-	163
404	E. J. Boisdorf	265	do.	301	63	34	-	256	60	16	b/	1.3	296
405	City of Waka	286	Oct. 20, 1938	258	58	24	-	238	38	8	b/	1.3	245
407	J. R. Stump	290	Dec. 14, 1938	247	-	-	-	244	20	12	b/	-	-
108	V. E. Steed	280	do.	224	-	-	-	232	15	9	b/	-	-
409	W. E. Cox	-	Nov. 2, 1938	285	60	33	-	299	18	9	b/	-	285

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

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
410	W. A. Schubert	335	Dec. 14, 1938	233	55	25	-	250	19	8	b/	1.4	241
411	J. L. Redus	360	Nov. 2, 1938	264	62	24	-	256	35	11	b/	1.4	255
412	A. A. Gilliam	380	Dec. 14, 1938	231	58	22	-	244	20	10	b/	-	233
414	C. E. Forbes	300	Nov. 2, 1938	240	55	26	-	244	21	10	b/	0.8	246
415	Nellie J. Compton	-	Jan. 5, 1939	-	-	-	-	-	22	9	b/	-	-
416	J. V. Stump	310	Dec. 3, 1938	225	41	26	9	238	25	7	b/	-	211
417	E. D. Clement	280	Jan. 5, 1939	257	-	-	-	244	28	11	b/	-	-
418	W. H. Tarbox	360	Nov. 10, 1938	286	52	29	16	262	44	16	b/	-	248
420	Phillips Pipe Line Co.	361	Jan. 17, 1939	312	43	28	34	232	67	26	b/	-	222
422	J. B. Conley	281	Nov. 2, 1938	284	-	-	-	256	35	16	b/	-	-
423	B. L. Barnes	360	Oct. 18, 1938	374	59	25	47	256	56	53	b/	1.8	251
424	V. B. Smith	247	Nov. 18, 1938	252	-	-	-	262	15	10	b/	-	-
426	W. B. Lamaster	300	Jan. 20, 1939	243	48	26	12	256	15	14	b/	2.1	226
429	Fredericka Zimmerman	316	Oct. 18, 1938	224	-	-	-	232	13	10	b/	-	-
430	T. C. Lott	365	Nov. 13, 1938	271	51	28	17	275	19	19	b/	2.2	228
431	James F. Hardy	329	Dec. 12, 1938	237	47	33	-	256	19	12	b/	-	252
433	Pauline Slavin	420	Jan. 18, 1939	283	-	-	-	232	11	22	b/	-	-
434	T. C. Helton	400	Nov. 25, 1938	315	59	25	25	256	52	27	b/	1.4	251
435	R. A. Flowers	456	Jan. 20, 1939	306	57	28	19	262	54	19	b/	-	257
436	H. B. Urban	368	Nov. 18, 1938	253	-	-	-	256	19	10	b/	-	-
437	E. J. & Mrs. E. E. Gething	400	Dec. 12, 1938	269	51	28	13	256	37	12	b/	1.7	242
438	A. L. Swink	406	Oct. 18, 1938	314	-	-	-	232	48	20	b/	-	-
439	D. P. Lambert	400	Jan. 17, 1939	247	49	29	6	256	24	11	b/	2.4	243
440	J.G. Flowers	420	Jan. 27, 1939	286	55	29	11	250	49	19	b/	-	258
441	John A. King	363	Nov. 12, 1938	312	60	29	17	256	51	27	b/	1.6	268
442	R. T. Correll	425	do.	336	45	27	11	250	16	12	b/	2.0	221
443	J. L. Dodson	380	Dec. 14, 1938	256	57	26	-	256	34	10	b/	-	251
444	W. L. Pope	356	do.	258	-	-	-	244	22	17	b/	-	-

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
445	Deta Blodgett	370	Dec. 14, 1938	286	54	31	12	244	23	46	b/	-	264
446	J. M. Blodgett	370	do.	255	-	-	-	250	26	8	b/	-	-
447	A. D. Reed	419	do.	246	52	30	-	256	16	18	b/	2.0	253
449	Samuel Nitschke	401	Nov. 16, 1938	398	59	34	43	275	67	60	b/	-	286
450	Homer Davis	400	Jan. 27, 1939	232	55	19	8	238	19	14	b/	-	217
452	C. S. McGarraugh	410	Oct. 18, 1938	296	60	24	19	256	44	21	b/	2.2	250
453	do.	408	Jan. 17, 1939	255	57	25	7	256	20	18	b/	2.0	246

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

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

HIGHWAY
 COUNTY ROAD
 UNIMPROVED ROAD

SCALE

 0 1 2 3 4 5 6 MILES

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

FIELD WORK BY
 LLOYD G. DAVIS
 PROJECT SUPERINTENDENT
 W.P.A. PROJECT 10736

BASE COMPILED FROM
 LAND OWNERSHIP MAP
 AND FIELD NOTES

