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TAYLOR COUNTY, TEXAS

Records of wells and springs, drillers'  
logs and water analyses, and map show-  
ing location of wells and springs.

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By  
Hoyt A. Smith  
Project Superintendent

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Prepared in cooperation with the Geological Survey, United  
States Department of the Interior, The Bureau of Industrial  
Chemistry of The University of Texas, and the Work Projects  
Administration. Ground-water survey project number 12765.

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Austin, Texas  
January 30, 1940

## TAYLOR COUNTY, TEXAS

### Introduction

by

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U. S. Geological Survey

This publication contains records of wells and springs, logs of wells and test holes, and analyses of water from wells in Taylor County, Texas. The records were obtained in an inventory made by the Work Projects Administration (Work Project No. 12765) with Mr. Hoyt A. Smith as project superintendent. The project was started February 6, 1939 and the field work was completed September 5, 1939.

The analyses were made by chemists employed on Work Projects Administration Project No. 1'443 under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry, The University of Texas, and E. W. Lohr, Chemist of the Quality of Water Division of the Federal Geological Survey. The Bureau of Industrial Chemistry furnished laboratory space and equipment. The analyses in this release are tabulated in parts per million. A number of these analyses are also given in milligram equivalents per liter for the convenience of those who prefer this form of expressing the quality of water.

This release was typed by typists employed on Work Projects Administration Project No. 1'443.

The records serve as a guide to land owners, well drillers, and others who need information regarding wells, the depth to ground water in different parts of the county, and the quality and chemical character of water yielded by the 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 Federal Geological Survey. The purpose of this investigation 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 Taylor County, Texas

(All wells are drilled unless otherwise noted in "Remarks" column.)

(See "Logs of U. S. A. test wells" for all records of test wells.)

No.	Distance from Merkel	Section	Survey, block & league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
1	6½ miles west	--	--	City of Trent	--	1927	50	216
d/ 2	4½ miles southwest	--	--	Elmer Harrison	--	1909	30	48
3	do.	--	--	Town of Blair	--	1927	31	36
4	do.	--	--	Blair Gin Co.	--	1929	65	36
5	4 miles southwest	--	--	M. P. Latimer	--	--	40	48
d/ 6	2 <sup>nd</sup> miles southwest	--	--	Grishom Hunter Corp.	--	1929	2,780	--
d/ 7	1 mile southwest	--	--	Clay & Lancaster Inc.	--	1933	2,558	--
8	City of Merkel	--	--	J. G. Hale	--	1909	70	6
9	do.	--	--	do.	--	1911	72	6
10	1 mile east	--	--	State Hwy.	--	Old	49	6
d/ 11	1 <sup>st</sup> miles southeast	--	--	Grishom Hunter Corp.	--	1927	2,751	--
d/ 14	10 miles southeast	--	--	T. O. Chapman	--	Old	35	36
d/ 15	5¼ miles east	--	--	E. B. Wells	--	Old	23	36

No.	Distance from Abilene	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
d/ 17	10¼ miles northwest	--	--	-- Horton	--	1900	27	6
18	9½ miles west	--	--	M. L. Alexander	--	1928	56	36
22	7 <sup>th</sup> miles west	--	--	J. H. Tolland	--	1900	35	24
d/ 28	3¼ miles northwest	--	--	G. C. Brock	--	Old	24	36
29	3 <sup>rd</sup> miles west	--	--	Lit Winters	--	Old	17	36
30	4 miles west	--	--	Andy Baker	--	1934	18	36
32	3¼ miles southwest	--	--	F. E. Baker	--	1924	23	36

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

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

Records obtained by Hoyt A. Smith Project Superintendent  
 Chemical analyses of water from these wells and springs 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	2	22	July 25, 1939	Cf, 5	D	Flat ✓	Dug well. Reported weak supply. Poor quality.
2	--	--	e/	--	--	do.	Furnished water for gin, school and several houses. Failed and abandoned in 1927.
3	4	30.0	Aug. 29, 1939	B, H	D	do. ✓	Taste of iron. Failed in 1939.
4	1	41.9	Aug. 28, 1939	C, W	Ind	do.	Dug well. Reported strong supply. Reported never fails.
5	1	14.8	do.	C, H	S	--	Dug well. Unfit for domestic use. Reported never fails.
6	--	--	Mar. 18, 1939	--	--	--	Oil test. See partial log.
7	--	--	do.	--	--	--	Do.
8	3	39.6	Apr. 11, 1939	C, I	D, S	Flat	Dug well 40 feet, drilled well 30 feet. Reported never fails.
9	1/2	40.2	do.	C, W	D	do.	Strong supply. Reported never fails.
10	1	31.2	Mar. 11, 1939	C, W	D, S	--	
11	--	--	Mar. 18, 1939	--	--	--	Oil test. See partial log.
14	2	30	e/	C, W	D, S	--	Dug well. Brick casing. Reported weak supply. Well sealed. Not pumping.
15	2	20.1	Aug. 16, 1939	C, W	D, S	Flat	Dug well. Rock casing top to bottom. Reported never fails.

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				
17	3	20	e/	C, H	D	Flat	Unfit for domestic use. Reported never fails. Well sealed.
18	3	35.2	Mar. 10, 1939	None	D, S	do. ✓	Reported strong supply.
22	3	16.2	Apr. 24, 1939	B	D, S	Creek terrace	Dug well. Brick casing. Reported never fails.
23	2	20	Aug. 14, 1939	C, W	D, S	Flat	Dug well. Brick casing.
29	4	13.8	Apr. 24, 1939	None	--	do.	Dug well. Brick casing top to bottom. Unused.
30	4	14.7	Feb. 21, 1939	C, W	D, S	Creek terrace	Dug well. Brick casing top to bottom. Supplies water for several families. Reported never fails.
32	1	13.6	Mar. 21, 1939	C, W, H	D, S	--	Dug well. Brick casing top to bottom. Supplies water for 100 head of stock. Reported never fails.

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

d/ No water sample collected for analysis.

e/ Water level reported.

Records of wells and springs in Taylor County--Continued

No.	Distance from Abilene	Section	Survey, block & league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
34	10 $\frac{1}{2}$ miles west	--	--	Taylor County	--	Old	42	36
35	10 $\frac{1}{4}$ miles west	--	--	A. V. Teaff	--	Old	42	36
d/ 35a	10 $\frac{1}{2}$ miles west	--	lge. 129 Jno. McSherry	Taylor County	--	Old	45	6
d/ 36	do.	--	do.	A. V. Teaff	--	Old	29	24
37	10 $\frac{1}{4}$ miles west	--	do.	do.	--	Old	31	56
d/ 38	9 miles west	--	do.	C. Mattingley	--	1935	180	6
39	do.	--	do.	W. H. Joiner	--	--	68	36
41	8 $\frac{1}{4}$ miles west	--	do.	W. W. Harp	--	Old	80	12
d/ 45	11 $\frac{1}{2}$ miles southwest	--	Guadalupe Co. School Land	A. R. Foster	--	1938	2,413	--
46	11 $\frac{1}{2}$ miles southwest	--	Guadalupe Co. School Land blk. 120	Taylor County	--	1939	49	--
47	11 $\frac{1}{4}$ miles southwest	--	do.	H. U. Drummonds	--	Old	18	36
48	12 $\frac{1}{2}$ miles southwest	--	--	M. D. Richards	--	Old	41	36
d/ 51	14 miles southwest	--	--	Taylor County	--	Old	10	48
52	13 $\frac{1}{2}$ miles southwest	--	--	do.	--	Old	13	36
d/ 53	13 $\frac{1}{2}$ miles southwest	5	S. F. R. R. blk. 2	Geo. Campbell	--	Old	18	36
d/ 63	12 miles southwest	--	Guadalupe Co. School Land blk. 9	B. E. Plowman	--	Old	13	36
d/ 64	do.	--	do.	M. D. Richards	--	Old	15	36
d/ 67	11 $\frac{1}{4}$ miles southwest	--	do.	Taylor County	--	1939	37	4
70	8 $\frac{1}{2}$ miles southwest	--	--	do.	--	--	Spring	--
d/ 84	6 miles southwest	4	Burr & Caswell sur.	Bill Jones	--	1936	20	36
d/ 87	6 $\frac{1}{2}$ miles southwest	--	--	L. M. Cromley	--	1910	30	36
d/ 88	do.	--	--	A. R. Malton	Claude Newberry	1924	28	36
d/ 89	7 miles southwest	4	Burr & Caswell sur.	Terrell Furgerson	--	1939	180	--
d/ 90	6 $\frac{1}{2}$ miles southwest	48	J. Woodward sur.	O. A. Robertson	--	Old	30	36
91	do.	49	T. Berry sur.	T. M. Robbins	--	Old	26	56

## Hoyt A. Smith 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				
74	1	16.1	June 6, 1939	C,H	D	Flat	Galvanized iron casing. Supplies water for school. Reported never
75	3	12	do.	C,W	--	Creek terrace	Brick casing top to bottom. fails. Reported fails in dry season.
76a	1	13.1	do.	C,W	D,S	do.	Galvanized iron casing.
76	2	16.8	do.	C,W	D	do.	Dug well. Rock casing top to bottom. Reported never fails.
77	3	6.3	do.	C,W	N	do.	Unused.
78	2	100	e/	None	--	--	Galvanized iron casing. Unfit for domestic use. Well plugged.
39	1	42.1	May 29, 1939	None	--	--	Dug well. Board casing top to bottom. Unfit for domestic use. De-
41	1	40	do.	C,H	D,S	Flat	Reported dependable supply reported. dependable supply.
45	--	--	Mar. 18, 1939	--	--	--	Oil test. See log.
46	5	13.5	Mar. 6, 1939	None	--	Flat	Unused. Seismograph test hole.
47	3	12.8	do.	B,H	--	do.	Dug well. Brick casing top to bottom. Unused.
48	3	39.5	do.	C,W	D	--	Dug well. Brick casing top to bottom. Supply not dependable.
51	--	--	Mar. 8, 1939	C,W	D,S	Flat	Dug well. Board casing top to bottom. Unused.
52	0	11.0	do.	B,H	S	do.	Dug well. Rock casing top to bottom. Reported dependable supply.
53	3	14.8	do.	C,W	D,S	Gentle slope	Do.
63	3	12.6	Mar. 6, 1939	B,H	--	Creek terrace	Dug well. Concrete casing top to bottom. Reported weak supply.
64	3	--	do.	B,H	D	do.	Dug well. Brick casing top to bottom. Reported fails in dry
67	5	34.0	do.	None	--	Flat	Iron pipe casing top to bottom. Quality unknown. Unused
70	--	--	--	--	--	Gentle slope	Reported dependable supply.
84	2	--	--	C,W	--	Flat	Dug well. Brick casing top to bottom. Reported supply not de-
87	2	20.0	Mar. 13, 1939	C,W	D,S	--	Dug well. Brick casing. dependable. Reported dependable supply.
88	2	26	e/	C,W	--	Valley	Dug well. Brick casing top to bottom. Water level reported constant. Reported dependable supply.
89	--	--	--	--	--	Flat	Reported strong supply 180 feet.
90	2	27	e/	C,W	D,S	Gentle slope	Dug well. Galvanized iron casing. Reported strong supply.
91	1	25.5	Mar. 13, 1939	C,W	D,S	do.	Dug well. Galvanized iron casing. Reported flow five or six barrels daily.

Records of wells and springs in Taylor County--Continued

No.	Distance from Abilene	Section	Survey, block & league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
92	5½ miles southwest	48	J. Woodward sur.	W. H. Nelson	--	Old	27	36
d/ 93	5¼ miles southwest	47	W. Scalloms sur.	C. P. Briggs	--	1910	40	36
d/ 96a	4 miles south	--	Lunatic Asylum sur.	Abilene Texas Pet. Co.	--	1922	2,052	--
101	5½ miles south	--	do.	W. O. Dawson	--	1928	18	36
103	8 <sup>3</sup> / <sub>4</sub> miles southwest	--	James Vaughn sur.	J. S. McCarty	--	1938	12	--
104	do.	54	do.	do.	--	1930	24	36
105	8½ miles southwest	56	J. Walker sur.	O. T. Oldausen	--	Old	22	36
106	10 miles southwest	--	--	S. E. Clark	--	Old	27	48
107	10½ miles southwest	--	--	C. Oliver	--	Old	31	51
108	11¼ miles southwest	--	Moses Evans sur.	I. B. Duck	--	1916	29	--
109	10 <sup>3</sup> / <sub>4</sub> miles southwest	--	--	W. O. Pallas	--	1926	22	36
113	9½ miles southeast	36 NE¼	Lunatic Asylum sur.	Lon Lockley	--	1904	18	36
116	do.	--	--	Luther J. Webb	--	1900	14	24
117	do.	--	--	M. A. Williams	--	1900	15	48
124	6¾ miles south	20 SW½	Blind Asylum sur.	Tom Duckworth	--	1909	35	36
128	5 miles southeast	5	do.	W. H. Blackburn	--	1939	4	48
132	6 miles east	--	--	Taylor County	--	Old	20	36
d/ 133	5½ miles east	54	B. A. L. sur.	Sanger Oil & Rfg. Co.	--	1927	3,509	--
d/ 136	6¼ miles east	28 SW¼	Blind Asylum sur.	Laurel N. Dunn	--	1937	1,754	--
137	6½ miles northeast	19	do.	V. B. Reeves	--	1910	31	36
138	7½ miles northeast	--	--	Luther Hays	--	1910	24	48

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

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

## Hoyt A. Smith, 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				
92	3	22.1	Mar. 13, 1939	C,W	D,S	--	Dug well. Brick casing top to bottom. Supplies water for irrigation and stock. Reported dependable supply.
93	2	25	e/	C,W	D,S	--	Brick casing. Reported dependable supply.
96a	--	--	--	--	--	--	Oil test. See partial log.
101	2	14.9	May 22, 1939	C,H	D,S	Flat	Dug well. Rock casing top to bottom. Reported produces five barrels
103	--	5.0	Mar. 23, 1939	None	D,S	Gentle slope	Dug well. Supplies water for 30 head of stock. Reported dependable supply.
104	3	15.0	Mar. 13, 1939	C,"	S	Hilltop	Dug well. Brick casing top to bottom. Reported weak supply.
105	--	--	Mar. 23, 1939	C,W	--	Flat	Dug well. Brick casing. Reported flows in wet season.
106	2	24.6	do.	C,W	--	--	Dug well. Reported dependable supply.
107	2	28.6	do.	C,W	D,S	Flat	Do.
108	--	23.8	do.	C,W	D,S	do.	Do.
109	2	19.0	do.	None	--	Creek terrace	Dug well. Brick casing top to bottom. Unused.
113	2	14.9	do.	B,H	S	Flat	Dug well. Rock casing. Reported dependable supply.
116	2	15.4	do.	None	--	do.	Dug well. Reported weak supply. Unused.
117	3	12.3	do.	B,H	D,S	Gentle slope	Dug well. Brick casing. Supplies water for several families. Reported
124	2	26.1	May 26, 1939	C,W	D,S	Flat	Dug well. Reported dependable supply. Rock casing top to bottom. Reported
128	0	2.0	July 24, 1939	None	--	Creek terrace	Dug well. Reported weak supply. Unused.
132	3	5.9	Feb. 28, 1939	None	--	Gentle slope	Dug well. Rock casing top to bottom. Unused.
133	--	--	--	--	--	--	Oil test. See partial log.
136	--	--	--	--	--	--	Do.
137	--	0	July 12, 1939	C,W	D,S	Flat	Dug well. Brick casing. Reported pumps dry in 1½ hours.
138	4	16	do.	B,H	D,S	do.	Dug well. Rock casing. Reported strong supply since 1918..

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

d/ No water sample collected for analysis.

e/ Water level reported.



Records of wells and springs in Taylor County--Continued

No.	Distance from Tuscola	Section	Survey, block & league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
144	14 $\frac{1}{4}$ miles west	258	H. & T.C. R.R. blk. 64	Coca Cola Bottling Co.	--	Old	151	6
145	15 $\frac{1}{2}$ miles west	162	do.	Mrs. Clyde Sears	--	Old	80	6
146	16 $\frac{1}{2}$ miles west	--	--	Clyde Sears	--	-- Spring	--	--
d/147	16 $\frac{3}{4}$ miles west	223	F. & T.C. R.R. blk. 64	Mrs. Clyde Sears	--	--	60	6
d/148	19 miles west	--	--	Blevins Est.	--	Old	15	36
d/149	19 $\frac{3}{4}$ miles west	168	F. & T.C. R.R. blk. 64	Jas. Lewallen	-- Heller	1930	71	5
d/150	do.	--	do.	J. W. Berter	--	1921	80	6
d/151	do.	167	do.	Jas. Lewallen	--	1910	81	6
153	19 $\frac{1}{4}$ miles west	167 NW $\frac{1}{4}$	do.	Tom Franks	--	-- Spring	--	--
d/155	20 miles west	257	do.	Condor Pet. Co.	--	1930	2,410	--
156	19 $\frac{3}{4}$ miles west	461	Wm. S. Henry sur.	Mrs. J. L. Reagan	-- Snow	1921	118	5
157	19 $\frac{1}{4}$ miles west	461	do.	W. A. Cate	-- Heller	1937	72	6
d/158	do.	461	do.	John R. Crayton	W. W. Cook	1920	38	36
159	19 miles west	461	do.	G. W. Shafer	Troy Shafer	1938	21	36
160	19 $\frac{1}{4}$ miles west	461	do.	Shep Com. School	--	1913	47	6
161	18 $\frac{3}{4}$ miles west	461	do.	J. W. Bortee	--	1900	37	6
162	do.	461	do.	Church of Christ	--	1920	20	36
166	19 $\frac{1}{2}$ miles west	458	W. T. Smith sur.	H. B. Gamble	--	1920	31	36
167	19 $\frac{1}{4}$ miles west	460	John Walker sur.	Theron Talley	Theron Talley	1939	15	--
168	19 $\frac{1}{2}$ miles southwest	460	do.	do.	--	Old	17	36
d/169	19 $\frac{1}{2}$ miles west	--	Thomas Linsey sur.	A. M. Sliger	A. M. Sliger	1923	280	--
171	16 $\frac{3}{4}$ miles west	160	John Walker sur.	W. C. Bradshaw	--	1912	22	30
d/176	16 $\frac{1}{2}$ miles west	133 SW $\frac{1}{4}$	H. & T.C. R.R. sur.	C. W. Allmand	--	1925	60	6

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

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

Hoyt A. Smith, 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				
144	0.5	65	Feb. 28, 1939	C,W	--	Top of divide	Galvanized iron casing; open end. Supplies water for ranch. Reported
145	--	30	e/	C,W	D	Gentle slope	dependable supply.
146	--	--	--	--	--	--	Reported dependable supply.
147	--	40	e/	C,W	S	--	
148	2	15	Feb. 28, 1939	B,H	D	Gentle slope	Reported strong supply in wet weather.
149	--	20	e/	B,H	D	--	Galvanized iron casing; open end. Reported dependable supply. Unused.
150	--	--	Feb. 27, 1939	--	D,S	Gentle slope	Galvanized iron casing; open end. Reported weak supply.
151	--	--	--	C,W	D,S	--	Galvanized iron casing; open end. Reported supplies water for 100 head
153	--	--	--	--	D,S	Creek bottoms	of stock.
155	--	--	--	--	--	--	Oil test. See partial log.
156	0.6	37.9	Feb. 22, 1939	C,W	D,S	Hilltop	Galvanized iron casing; open end. Reported dependable supply.
157	0.5	22.0	do.	C,W	D	Flat	Galvanized iron casing; open end. Water from soft sand rock, 70 to 77 feet. Reported strong supply.
158	0.0	34	Feb. 8, 1939	B,H	D	Gentle slope	Dug well. Brick casing.
159	2.5	17.9	Feb. 24, 1939	B,H	D	do.	Dug well. Brick casing; open end.
160	2½	14.4	-- 1939	C,W	D	do.	Galvanized iron casing; open end. Supplies water for school. Reported
161	5	15.1	Feb. 10, 1938	B,H	D	Flat	Galvanized iron casing; open end. Supplies water for general store at Shep, Texas. Reported dependable supply.
162	2	15.4	do.	B,H	D	do.	Dug well. Rock casing top to bottom. Reported dependable supply.
166	2	22.6	Feb. 8, 1939	C,W	S	Valley	Dug well. Concrete casing top to bottom. Reported dependable supply.
167	0	10	Feb. 23, 1939	B,H	D	Gentle slope	Dug well. Not completed.
168	2	7.5	do.	B,H	D,S	Flat	Dug well. Sheet iron casing top to bottom. Reported unfit for domestic
169	--	--	e/	None	--	do.	Abandoned. Reported dry in 1938.
171	2	21.0	Feb. 24, 1939	C,W	D	Gentle slope	Dug well. Brick casing; open end. Supplies water for several families.
176	5	40	e/	C,W	D,S	--	Galvanized iron casing; open end. Reported weak supply.

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

d/ No water sample collected for analysis.

e/ Water level reported.

Records of wells and springs in Taylor County--Continued

No.	Distance from Tuscola	Section	Survey, block & league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
177	16 $\frac{3}{4}$ miles west	133	H. & T.C. R.R. sur.	Lance Sears	Henry Allmand	1926	70	6
178	16 $\frac{1}{4}$ miles west	122	do.	Tom Foster	--	Old	40	6
179	16 $\frac{3}{4}$ miles west	122	T. & P. R. R. sur.	A. A. Foster	--	Old	20	6
d/180	17 miles west	460	John Walker sur.	H. A. Sheppard	--	--	--	--
181	16 $\frac{1}{2}$ miles west	134, SW $\frac{1}{4}$ SW $\frac{1}{4}$	H. & T.C. R.R. sur.	Tom Foster	--	1922	80	6
d/182	16 $\frac{1}{4}$ miles west	134, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Charlie Foster	--	--	35	36
184	13 $\frac{1}{2}$ miles southwest	137	do.	W. W. McIver	--	--	Spring	--
185	12 $\frac{1}{2}$ miles southwest	192	do.	Mrs. -- Motz	--	Old	19	36
186	12 $\frac{3}{4}$ miles southwest	126	do.	J. G. Nix	--	1938	19	54
d/188	13 $\frac{1}{2}$ miles southwest	110	do.	P. Daniels	--	Old	21	36
190	13 miles southwest	--	W. R. Brewer subdv. 1	J. R. Dry	--	1918	20	36
191	12 $\frac{1}{2}$ miles southwest	--	do.	do.	--	1921	19	48
192	do.	--	Wm. T. Sparks sur.	D. B. Ellison	--	Old	19	36
193	13 miles southwest	109	H. & T.C. R.R. sur.	T. N. Mayhew	--	Old	21	36
194	12 $\frac{1}{4}$ miles southwest	--	W. T. Sparks sur.	Kelly Est.	--	Old	19	48
199	7 $\frac{1}{2}$ miles southwest	271	Jno. T. N. A. Smith	Henry Roberts	--	Old	18	--
201	3 $\frac{3}{4}$ miles west	54	S. L. R. R. sur.	W. F. Jones	--	1909	50	36
205	3 $\frac{1}{4}$ miles west	117	S. Andrews sur.	L. J. Covington	--	Old	34	36
206	2 $\frac{3}{4}$ miles northwest	115	J. C. Hunt sur.	J. E. Lindly	--	1938	24	36
207	In Buffalo Gap	--	--	John Kinkaid	--	1900	34	36
208	5 miles north	--	M. Evans sur.	Sam Bates	--	1935	34	36
209	4 $\frac{3}{4}$ miles north	--	J. H. Deavers sur.	C. E. Yager	--	--	Spring	--
210	4 $\frac{1}{4}$ miles north	--	do.	do.	--	1890	5	48
d/211	3 $\frac{1}{2}$ miles north	--	do.	do.	--	1920	18	36
d/212	4 $\frac{1}{2}$ miles northeast	65, NE $\frac{1}{4}$	Lunatic Asylum sur.	Frank Graham	--	Old	18	36
d/214	4 $\frac{1}{4}$ miles northeast	10	S. L. R. R. sur.	O. P. Thomas	--	1890	16	36

## Hoyt A. Smith, Project Superintendent

No.	Height of measuring point above ground (ft.) <u>a/</u>	Water level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
177	--	--	--	C,W	D,S	Gentle slope	Galvanized iron casing; open end. Supplies water for stock. Reported
178	1	38.1	Feb. 13, 1939	C,W	S	Flat	dependable supply
179	1.5	17	do.	C,H	D	do.	Galvanized iron casing; open end. Reported pumps dry in one hour.
180	--	--	--	C,W	D,S	Ridge-top	
181	3	40.0	Feb. 13, 1939	C,W	D,S	Gentle slope	Galvanized iron casing; open end. Reported strong supply.
182	--	--	do.	C,	--	--	Dug well. Rock casing. Reported weak supply.
184	--	--	--	--	D,S	Creek bank	Reported strong, unfailing supply.
185	3	16.1	July 27, 1939	C,W	D,S	Flat	Dug well. Brick casing top to bottom. Pumping at time visited.
186	2	15.8	do.	C,W	D,S	do.	Dug well. Brick casing. Reported dependable supply.
188	3	18	<u>e/</u>	C,W	D,S	--	Dug well. Rock casing. Reported dependable supply.
190	4	16.7	July 27, 1939	C,W	D,S	--	Dug well. Brick casing. Dependability unknown.
191	4	15.5	do.	C,W	S	Flat	Dug well. Concrete casing top to bottom. Dependability unknown.
192	2	16.8	do.	C,W	D,S	Gentle slope	Dug well. Concrete casing. Reported dependable supply.
193	3	17.1	do.	B,H	D,S	do.	Dug well. Rock casing top to bottom. Dependability unknown.
194	2 $\frac{1}{2}$	15.6	do.	C,W	D,S	Flat	Dug well. Galvanized iron casing. Reported dependable supply.
199	2	8.7	do.	C,W	S	--	Dug well. Reported dependable supply.
201	3	42.8	Aug. 22, 1939	C,W	D,S	Flat	Dug well. Rock casing top to bottom. Reported dependable supply.
205	2	31.8	Apr. 26, 1939	H	D,S	Gentle slope	Dug well. Brick casing top to bottom.
206	3	20.9	June 23, 1939	B,H	--	--	Dug well.
207	3	30.1	Apr. 27, 1939	B	D	Flat	Dug well. Galvanized iron casing top to bottom. Reported dependable supply for Buffalo Gap Hotel
208	3	30.1	do.	C,W	D	--	Dug well. Galvanized iron casing top to bottom.
209	--	--	--	--	D,S	Hillside	Supplies water for 500 head of sheep.
210	0	2	Apr. 27, 1939	B	S	Gentle slope	Dug well. Board casing. Reported dependable supply.
211	--	--	do.	--	--	do.	Dug well. Board casing.
212	2	12.0	June 22, 1939	B,H	--	do.	Dug well. Rock casing. Unused.
214	8	--	--	None	N	Creek terrace	Dug well. Rock casing. Supplied water for 150 head of stock before 1918. Failed and abandoned in 1918.

Records of wells and springs in Taylor County--Continued

No.	Distance from Tuscola	Section	Survey, block & league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
216	3 $\frac{1}{4}$ miles northeast	67	--	J. E. Graham	--	Old	13	36
217	In Tuscola	--	--	City of Tuscola	--	1922	34	84
218	3 $\frac{1}{4}$ miles east	SE $\frac{1}{4}$	Wm. Scurluck sur.	L. B. Ivey	L. B. Ivey	1901	15	--
220	4 miles southeast	402	W. A. Smith sur.	N. L. Roberts	--	Old	15	36
221	4 $\frac{1}{2}$ miles southeast	426	W. K. Paulling sur.	do.	--	Old	17	--
222	4 $\frac{3}{4}$ miles southeast	406	G. Hancock sur.	W. T. Edwards	--	Old	23	36
223	5 miles southeast	402	W. A. Smith sur.	S. P. Ross	--	1905	19	36
224	6 $\frac{1}{2}$ miles southeast	10	W. M. Bell sur.	H. N. Lawless	--	Old	16	40
225	7 miles southeast	23	do.	George Yost	--	1917	17	24
226	6 $\frac{1}{2}$ miles southeast	22	do.	J. P. Allen	--	1916	19	24
227	In Lawn	--	--	City of Lawn	--	1920	17	24

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

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

## Hoyt A. Smith, 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				
216	2	11.1	June 23, 1939	None	N	--	Dug well. Wood casing. Unused.
217	--	--	--	Cf, E, l	D, S	Flat ✓	Rock casing. Estimated yield, 10,000 gallons per day from two wells.
218	2	14.6	Feb. 14, 1939	B, H	D	Gentle slope	Dug well. Rock casing top to bottom. Sand and gravel from 14 to 16 feet. Reported dry this year.
220	3	13.5	May 11, 1939	None	--	Creek bottoms	Dug well. Rock casing. Unused.
221	2	12.9	do.	B	D, S	Gentle slope	Dug well. Reported dependable supply.
222	2	20.9	do.	C, W	D, S	Flat	Dug well. Rock casing top to bottom.
223	3	17.8	do.	C, W	D, S	--	Dug well. Rock casing top to bottom. Reported pumped all night before test.
224	1	14.6	May 15, 1939	C, W	D, S	--	Dug well. Rock casing. Reported pumped all night before test.
225	4	13.9	May 11, 1939	B	D, S	Creek bottoms	Dug well. Rock casing. Supplied water for 500 head of sheep in 1918. Reported dependable supply.
226	3	15.9	do.	B	D, S	Flat	Dug well. Rock casing; open end. Reported dependable supply.
227	0	15	May 15, 1939	None	D, S	do.	Dug well. Rock casing. Unfit for domestic use. Unused.

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

d/ No water sample collected for analysis.

e/ Water level reported.

Representative earthen tanks in Taylor County, Texas

No.	Distance from Abilene	Survey, and block	Owner	Topographic situation of tank	Estimated catchment area in acres	Topographic situation of catchment area
301	19 miles west	sec. 15	Merkel Golf Course	Sloping	10	Sloping
302	11 $\frac{1}{2}$ miles southwest	lge. 21, blk. 9	B. E. Plowman	--	10	Side of hill
b/303	do.	Guadalupe School Land	Earl Landers	Slope	10	Gentle slope
b/304	11 $\frac{1}{4}$ miles southwest	do.	do.	do.	300	Creek bed
305	2 miles southeast	--	City of Abilene	--	5,000	--
306	4 $\frac{1}{4}$ miles south	--	do.	--	15,000	--
307	19 miles southwest	--	State Highway	Hills	10,000	--
308	20 miles southwest	--	do.	do.	15,000	Creek bed
309	17 miles southwest	--	City of Abilene	do.	20,000	Canyon bed
310	do.	--	Taylor County	--	--	--
311	26 $\frac{1}{2}$ miles southwest	--	Mrs. Clyde Sears	Hills	100	Valley
312	30 miles southwest	John Walker sec. 130	Taylor County	--	6,400	Creek bed
313	12 miles southwest	--	-- Graham	--	6,400	--
b/314	22 miles south	--	Motz & Cortes	--	--	--
b/315	do.	--	S. F. R. R.	--	6,400	--

a/ S, stock; D, domestic; P, public; I, irrigation; Ind, industrial.

## Hort A. Smith, Project Superintendent

No.	Dam			Use	Remarks
	Length	Height	Material		
301	50	6	Clay	D,S	Clay and gravel bottom and sides.
302	200	8	do.	D,S	Clay and gravel bottom and sides. Vegetation: mesquite and cedar.
303	200	8	do.	S	Landers lake. Reported has never gone dry since constructed in 1925.
304	200	12	do.	S	Clay bottom and sides. Water clear. Vegetation: mesquite.
305	2,000	20	do.	S	Lytle lake. Clay bottom and sides. Water clear.
306	5,340	41	do.	P	Lake Kirby. Clay bottom and sides. Vegetation: mesquite.
307	--	--	--	S	Vegetation: cedar.
308	--	--	--	D,S	Sandstone and gravel bottom and sides. Water clear.
309	5,280	51	Clay	P	Lake Abilene. Rock and clay bottom and sides. Vegetation: cedar.
310	--	--	--	S	Seep from Lake Abilene.
311	200	12	Earth	D,S	Sears lake. Clay and rock bottom and sides.
312	--	--	--	S	
313	--	--	Clay	D,S	
314	250	8	do.	D,S	
315	300	4	do.	--	

b/ No water sample collected for analysis.



Table of Drillers' Logs, Taylor County, Texas

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 6</u>		
Grisham Hunter Corporation, H. E. Campbell, well 1, 2 <sup>3</sup> miles southwest of Merkel.		
Red rock - - - - -	645	645
Lime shells - - - - -	40	685
Red rock - - - - -	65	750
Shells - - - - -	25	775
Red rock - - - - -	69	844
Lime shells - - - - -	12	856
Red rock - - - - -	329	1185
Blue shale - - - - -	15	1200
Lime - - - - -	5	1205
Blue shale - - - - -	5	1210
Red rock - - - - -	20	1230
Blue shale - - - - -	25	1255
Shale and shells - - - - -	40	1295
Lime - - - - -	10	1305
Shale and shells - - - - -	35	1340
Shale - - - - -	30	1370
Lime - - - - -	55	1425
Shale - - - - -	10	1335
Lime - - - - -	20	1355
Broken lime - - - - -	55	1410
Lime - - - - -	15	1425
Shale - - - - -	25	1450
Lime - - - - -	105	1555
White lime - - - - -	15	1570
Shale and lime - - - - -	100	1670
Shale - - - - -	36	1706
Lime - - - - -	164	1870
Shale - - - - -	15	1885
Lime - - - - -	50	1935
Shale - - - - -	15	1950
Lime - - - - -	15	1965
Shale and shells - - - - -	35	2000
Blue shale - - - - -	20	2020
Lime shells - - - - -	30	2050
Shale - - - - -	10	2060
Shale and shells - - - - -	25	2085
Lime - - - - -	40	2125
Lime water - - - - -	5	2140
Water sand - - - - -	60	2200
TOTAL DEPTH - - - - -		2780

<u>Driller's log of well 7</u>		
Clay and Lancaster, Inc., E. C. Brown, well 1, 1 mile southwest of Merkel.		
Red rock - - - - -	45	45
Sandy lime - - - - -	15	60
Red rock and lime shells -	530	590
Hard lime - - - - -	40	630
Red rock shells - - - - -	90	720
Brown shale - - - - -	25	745
Red rock and lime shells -	25	770
Red rock - - - - -	175	945

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 7--Continued</u>		
Shale - - - - -	10	955
Red rock - - - - -	25	980
Brown shale - - - - -	25	1005
Blue slate - - - - -	20	1025
Gray shale - - - - -	25	1050
Broken lime shale - - - -	150	1200
Gray lime - - - - -	90	1290
Lime water, broken shale	45	1335
Gray lime - - - - -	115	1450
Hard gray lime - - - - -	590	2040
Sandy lime, water - - - -	10	2050
Gray lime - - - - -	65	2115
Sandy lime, water - - - -	48	2163
TOTAL DEPTH - - - - -		2558

<u>Driller's log of well 11</u>		
Grisham-Hunter Corporation, Huddleston well 1, 1 <sup>1</sup> miles southeast of Merkel.		
Soil - - - - -	5	5
Red rock - - - - -	645	650
Blue shale - - - - -	22	672
Red rock - - - - -	20	692
Blue shale - - - - -	158	850
Lime - - - - -	70	920
Blue shale - - - - -	30	950
Lime shale - - - - -	30	980
Blue shale - - - - -	10	990
Lime shells and shale - -	150	1140
Blue shale - - - - -	105	1245
Lime - - - - -	20	1265
Blue shale - - - - -	10	1275
Lime - - - - -	15	1290
Blue shale - - - - -	5	1295
Lime - - - - -	85	1380
White shale - - - - -	20	1400
Lime - - - - -	60	1460
Shale - - - - -	20	1480
Lime - - - - -	40	1520
Shale - - - - -	50	1570
Lime - - - - -	35	1605
Shale - - - - -	45	1650
Lime shells - - - - -	30	1680
Sandy shale, water - - - -	10	1690
Brown sand, water - - - -	10	1700
Blue shale - - - - -	35	1735
Sand - - - - -	15	1750
Shale - - - - -	56	1806
Sand, hole full of water	44	1850
Sandy lime - - - - -	40	1890
Shale - - - - -	10	1900
Sandy lime - - - - -	35	1935
Shale and lime shells - -	145	2080
Sandy lime, hole full of water - - - - -	16	2096
TOTAL DEPTH - - - - -		2751

Table of Drillers' Logs, Taylor County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 45		
The Charter Oil & Gas Co., & A. R. Forster, J. C. Frederickson well 1, 11 $\frac{1}{2}$ miles southwest of Abilene.		
Redbeds, gravel - - - -	97	97
Red gumbo - - - - -	338	435
Blue gumbo - - - - -	15	450
Red shale - - - - -	10	460
Blue shale - - - - -	46	506
Lime - - - - -	10	516
Lime and shale - - - -	9	525
Red beds - - - - -	8	533
Blue shale - - - - -	9	542
Lime and shale - - - -	41	583
Lime - - - - -	12	595
Brown shale - - - - -	15	610
Lime - - - - -	10	620
Lime shale - - - - -	30	650
Brown shale - - - - -	15	665
Blue shale - - - - -	10	675
Lime - - - - -	5	680
Shale - - - - -	2	682
Hard lime - - - - -	68	750
Lime shale - - - - -	75	825
Lime - - - - -	40	865
Lime and shale - - - -	10	875
Shale - - - - -	5	880
Lime shale - - - - -	45	925
Hard lime - - - - -	85	1010
Lime - - - - -	94	1104
Shale - - - - -	6	1110
Lime and arhydrite - - -	28	1138
Lime - - - - -	157	1295
Shale and lime - - - -	40	1335
Lime - - - - -	22	1357
Lime and shale - - - -	47	1404
Lime - - - - -	8	1412
Lime and shale - - - -	6	1418
Lime - - - - -	22	1440
Lime and shale - - - -	15	1455
Hard lime - - - - -	34	1489
Shale - - - - -	11	1500
Soft lime, salt water - -	22	1522
Sandy lime, salt water, 1 $\frac{1}{4}$ bailers of water per hour	8	1530
Shale - - - - -	5	1535
Lime - - - - -	81	1616
Hard sandy lime - - - -	24	1640
Chalky lime water, 4 bailers of water per hour - - -	6	1646
Lime - - - - -	99	1745
Shale - - - - -	3	1748
Shale lime - - - - -	30	1778
Sandy lime water - - - -	27	1805
Lime - - - - -	20	1825

	Thickness (feet)	Depth (feet)
Driller's log of well 45--Continued		
Shale - - - - -	5	1830
Lime - - - - -	5	1835
Shale - - - - -	5	1840
Lime - - - - -	29	1869
Shale - - - - -	4	1873
Lime, 7 bailers of water per hour - - - - -	34	1907
Shale - - - - -	13	1920
Lime and shale - - - -	10	1930
Shale - - - - -	30	1960
Lime - - - - -	7	1967
Shale - - - - -	11	1978
Lime - - - - -	32	2010
Shale - - - - -	5	2015
Lime - - - - -	37	2052
Shale - - - - -	4	2056
Shale and lime - - - -	10	2066
Lime - - - - -	5	2071
Shale - - - - -	4	2075
Hard lime - - - - -	13	2088
Lime - - - - -	12	2100
Shale - - - - -	3	2103
Lime - - - - -	8	2111
Shale - - - - -	4	2115
Red shale - - - - -	20	2135
Blue shale - - - - -	9	2144
Red shale, lime - - - -	5	2149
Lime - - - - -	18	2167
Shale - - - - -	6	2173
Red shale - - - - -	15	2188
Lime - - - - -	27	2215
Blue shale - - - - -	13	2228
Red shale - - - - -	9	2237
Lime - - - - -	4	2241
Blue shale - - - - -	4	2245
Lime shells - - - - -	3	2248
Lime - - - - -	14	2262
Shale - - - - -	6	2268
Lime - - - - -	7	2275
Shale - - - - -	6	2281
Red shale - - - - -	5	2286
Blue shale - - - - -	9	2295
Lime - - - - -	23	2318
Black shale and coal - -	9	2327
Lime - - - - -	6	2333
Chalky lime - - - - -	3	2336
Lime - - - - -	15	2351
Blue shale - - - - -	6	2357
Lime shell - - - - -	1	2358
Sand and sandy lime - -	4	2362
Sand - - - - -	3	2365
TOTAL DEPTH - - - - -		2413

Table of Drillers' Logs, Taylor County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 96-a		
Abilene Texas Petroleum Co., J. C. High well 1, 4 miles south of Abilene.		
Lime, clay - - - - -	10	10
Red rock - - - - -	2	12
Red shale - - - - -	37	49
Red rock - - - - -	3	52
Blue shale - - - - -	73	125
Red rock - - - - -	10	135
Blue shell - - - - -	5	140
Rock - - - - -	5	145
Lime shale - - - - -	45	190
Blue lime - - - - -	80	270
Slate - - - - -	10	280
Sandy lime - - - - -	20	300
Rock - - - - -	10	310
Lime - - - - -	10	320
Broken lime - - - - -	25	345
Lime shale - - - - -	20	365
Lime - - - - -	45	410
Lime shale - - - - -	30	440
Lime - - - - -	60	500
Blue shale, lime - - - - -	10	510
Blue lime - - - - -	38	548
Lime - - - - -	10	558
Lime shell - - - - -	32	590
Blue lime - - - - -	35	625
Blue shale - - - - -	22	647
Blue slate - - - - -	10	657
Blue lime - - - - -	63	720
White lime - - - - -	15	735
Chalk lime - - - - -	7	742
Gumbo - - - - -	2	744
White lime - - - - -	4	748
Rock - - - - -	2	750
Blue lime - - - - -	17	767
Lime shale - - - - -	73	840
Lime - - - - -	14	854
Blue lime - - - - -	1	855
Lime shale - - - - -	7	862
Lime - - - - -	72	934
Blue lime - - - - -	9	943
Lime - - - - -	1	944
Gumbo - - - - -	1	945
Lime - - - - -	4	949
Blue lime - - - - -	3	952
Gumbo - - - - -	4	956
Gumbo boulders - - - - -	3	959
White lime - - - - -	28	987
Gumbo - - - - -	3	990
White lime - - - - -	51	1041
Blue lime - - - - -	3	1044
White lime - - - - -	28	1072
Lime - - - - -	36	1108
Lime, gumbo - - - - -	19	1127

	Thickness (feet)	Depth (feet)
Driller's log of well 96-a--Continued		
Lime slate - - - - -	32	1159
Shell lime - - - - -	15	1174
Lime - - - - -	27	1201
Broken formation - - - - -	8	1209
Lime shells - - - - -	27	1236
Lime - - - - -	15	1251
Shell white lime - - - - -	14	1265
Lime shell - - - - -	44	1309
Rock, gas, lime - - - - -	14	1323
Shale lime - - - - -	6	1329
Shale - - - - -	11	1340
Gumbo - - - - -	8	1348
Gumbo, boulders - - - - -	3	1351
Lime gumbo - - - - -	8	1359
Lime - - - - -	3	1362
Lime shells - - - - -	20	1382
Slate shell - - - - -	12	1394
Lime - - - - -	23	1417
Slate shells - - - - -	29	1446
Lime shell - - - - -	47	1493
Lime shale - - - - -	9	1502
Chalk lime - - - - -	14	1516
Red shale - - - - -	30	1546
Slate - - - - -	2	1548
Slate shell - - - - -	16	1564
Blue shale - - - - -	9	1573
Slate - - - - -	9	1582
Slate shells - - - - -	6	1588
Shale - - - - -	4	1592
Slate - - - - -	10	1602
Chalk lime - - - - -	10	1612
Shale - - - - -	5	1617
Slate shale - - - - -	33	1650
Gumbo - - - - -	9	1659
Lime - - - - -	1	1660
Red shale, boulders - - - - -	18	1678
Red rock - - - - -	15	1693
Shale boulders - - - - -	8	1701
Rock - - - - -	3	1704
Shale lime - - - - -	3	1707
Lime rock - - - - -	46	1753
Lime shale - - - - -	10	1763
Rock - - - - -	2	1765
Lime - - - - -	10	1775
Slate shale - - - - -	17	1792
Lime shell - - - - -	33	1825
Lime rock - - - - -	10	1835
Lime - - - - -	14	1849
Chalk lime - - - - -	13	1862
Lime - - - - -	16	1878
Chalk lime - - - - -	9	1887
Sandy lime, show of oil - - - - -	18	1905
Lime - - - - -	14	1919

(Continued on next page)

Table of Drillers' Logs, Taylor County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 96-a--Continued</u>		
Soft lime - - - - -	11	1930
Shell lime- - - - -	29	1959
Lime - - - - -	21	1980
Sandy lime, oil - - - - -	15	1995
Blue gumbo - - - - -	5	2000
Sandy lime, oil - - - - -	14	2014
Oil sand - - - - -	9	2023
Slate shale - - - - -	5	2028
Blue gumbo- - - - -	2	2030
Blue lime - - - - -	8	2038
Blue lime sand - - - - -	5	2043
Sandy lime - - - - -	9	2052
TOTAL DEPTH - - - - -		2052

<u>Driller's log of well 133</u>		
Sanger Oil and Refining Company, Ike		
Brown well 1, 5½ miles east of Abilene.		
Soil - - - - -	64	64
Lime - - - - -	91	155
Blue shale- - - - -	6	161
Lime - - - - -	34	195
Blue shale- - - - -	20	215
Lime - - - - -	28	243
Blue shale- - - - -	8	251
Lime - - - - -	9	260
Blue shale- - - - -	35	295
Lime - - - - -	3	298
Blue shale- - - - -	3	301
Lime - - - - -	29	330
Blue shale- - - - -	10	340
Lime - - - - -	32	372
Blue shale- - - - -	6	378
Lime - - - - -	92	470
Shale- - - - -	5	475
Lime - - - - -	50	525
Shale- - - - -	40	565
Lime - - - - -	50	615
Blue shale- - - - -	25	640
White lime- - - - -	60	700
Blue shale- - - - -	7	707
Lime water, 1½ bailers of water per hour- - - - -	83	790
Black shale - - - - -	5	795
White lime- - - - -	15	810
Black shale - - - - -	15	825
Lime, shale - - - - -	15	840
Lime - - - - -	20	860
Sandy blue lime, gas - - - - -	15	875
White lime- - - - -	25	900
Blue shale- - - - -	40	940
Lime, blue shale- - - - -	5	945
Lime - - - - -	10	955
Sandy blue shale- - - - -	25	980
Lime - - - - -	21	1001

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 133--Continued</u>		
Blue shale - - - - -	44	1045
White lime - - - - -	65	1110
Blue shale - - - - -	5	1115
White lime - - - - -	50	1165
Blue shale - - - - -	45	1210
White lime - - - - -	20	1230
White shale - - - - -	15	1245
Water sand, gas- - - - -	40	1285
Blue shale - - - - -	15	1300
Slate - - - - -	73	1373
Lime - - - - -	3	1376
Slate - - - - -	12	1388
Pink rock- - - - -	2	1390
White lime - - - - -	7	1397
Slate - - - - -	20	1417
Red rock - - - - -	15	1432
Gray shale - - - - -	43	1475
Red rock - - - - -	18	1493
Gray lime- - - - -	2	1495
Pink shale - - - - -	5	1500
Blue shale - - - - -	5	1505
Sandy blue shale - - - - -	25	1530
Lime - - - - -	5	1535
Slate - - - - -	15	1550
Red shale- - - - -	30	1580
Gray shale - - - - -	28	1608
White slate - - - - -	17	1625
White lime - - - - -	5	1630
Red beds - - - - -	35	1665
Hard gray lime - - - - -	2	1667
Blue shale - - - - -	28	1695
White lime - - - - -	21	1716
Blue shale - - - - -	7	1723
Reddish-brown shale - - - - -	15	1738
Blue shale - - - - -	6	1744
Hard lime - - - - -	28	1772
White lime - - - - -	48	1820
Slate, lime shells- - - - -	110	1930
Soft white lime- - - - -	40	1970
White lime - - - - -	8	1978
White shale - - - - -	87	2065
White lime - - - - -	25	2090
White shale, shells - - - - -	30	2120
White lime - - - - -	25	2145
Blue shale - - - - -	15	2160
White lime - - - - -	15	2175
White shale - - - - -	30	2205
White water sand - - - - -	50	2255
TOTAL DEPTH - - - - -		3514

Table of Drillers' Logs, Taylor County--Continued

		Thickress (feet)	Depth (feet)			Thickress (feet)	Depth (feet)
Driller's log of well 136				Driller's log of well 136--Continued			
Dunn - McAlister, Laurel N. Dunn, Bowles Estate, well 1, 6 $\frac{1}{2}$ miles east of Abilene.				Sandy lime, gas-		13	705
Soil - - - - -		5	5	Black lime - - - - -		14	719
Clay - - - - -		3	8	Blue shale - - - - -		59	778
Lime shells, clay - - - - -		7	15	Broken lime - - - - -		57	835
Hard lime - - - - -		1	16	Blue shale - - - - -		17	852
Clay, lime shells - - - - -		12	28	Lime - - - - -		4	856
Hard lime - - - - -		2	30	Blue shale - - - - -		14	870
Blue shale- - - - -		4	34	Hard lime- - - - -		5	875
Lime - - - - -		1	35	Shale - - - - -		5	880
Blue shale- - - - -		5	40	Lime - - - - -		10	890
Lime - - - - -		3	43	Blue shale, lime shale - - - - -		50	940
Blue shale- - - - -		2	45	White sandy lime - - - - -		10	950
Lime - - - - -		4	49	Blue shale - - - - -		10	960
Blue shale, lime- - - - -		33	82	Sandy shale - - - - -		10	970
Hard lime - - - - -		2	84	Blue shale - - - - -		12	982
Shale- - - - -		4	88	White lime - - - - -		46	1028
Lime - - - - -		4	92	Blue shale - - - - -		5	1033
Shale and lime shells - - - - -		8	100	Brown lime - - - - -		27	1060
Lime - - - - -		11	111	Blue shale - - - - -		17	1077
Broken lime - - - - -		17	128	Sandy lime - - - - -		23	1100
Dark-blue shale - - - - -		17	145	Blue shale - - - - -		22	1122
Lime - - - - -		5	150	Lime - - - - -		6	1128
Dark-blue shale - - - - -		5	155	Blue shale - - - - -		12	1140
Lime - - - - -		15	170	Lime - - - - -		14	1154
Blue shale- - - - -		13	183	Blue shale - - - - -		8	1162
Lime - - - - -		4	187	Broken white lime - - - - -		20	1182
Dark-blue shale, lime shells		17	204	Blue shale - - - - -		8	1190
Gray shale, lime shells - - - - -		26	230	Lime - - - - -		40	1230
Lime - - - - -		4	234	Blue shale - - - - -		35	1265
Blue shale- - - - -		8	242	Blue shale, lime shale - - - - -		60	1325
Broken lime - - - - -		23	265	Red beds - - - - -		12	1337
Blue shale- - - - -		3	268	Broken lime - - - - -		21	1358
Sand - - - - -		6	274	Blue shale - - - - -		41	1399
Broken lime, black slate - - - - -		18	292	Lime - - - - -		3	1402
Broken lime - - - - -		81	373	Blue shale - - - - -		28	1430
Gray shale- - - - -		7	380	Lime - - - - -		15	1445
Broken lime - - - - -		48	428	Blue shale - - - - -		15	1460
Sandy lime- - - - -		12	440	Red beds - - - - -		12	1472
Broken lime, gray shale - - - - -		15	455	Lime - - - - -		8	1480
Gray shale, lime shells - - - - -		29	484	Blue shale - - - - -		10	1490
Broken lime, white slate - - - - -		4	488	Red beds - - - - -		40	1530
Gray shale- - - - -		2	500	Lime - - - - -		2	1532
Broken lime, white slate - - - - -		8	508	Red beds - - - - -		23	1555
Gray shale- - - - -		9	517	Lime - - - - -		6	1561
Broken lime, white slate - - - - -		13	530	Blue shale - - - - -		34	1595
Gray shale- - - - -		25	555	Broken lime - - - - -		10	1605
Red beds- - - - -		17	572	Blue shale - - - - -		5	1610
Sandy lime- - - - -		8	580	Sandy shale - - - - -		7	1617
Broken lime - - - - -		45	625	Sand, water - - - - -		4	1621
Blue shale - - - - -		33	658	Blue shale - - - - -		4	1625
Sandy lime, 1 bailer of water				Broken lime - - - - -		7	1632
per hour- - - - -		32	690	Blue shale - - - - -		6	1638
Black slate - - - - -		2	692	Sand, water - - - - -		7	1645

(Continued on next page)

Table of Drillers' Logs, Taylor County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 136--Continued</u>		
Blue shale-	2	1647
Hard lime -	9	1656
Black slate -	3	1659
Dark Lime -	5	1664
Dark shale-	2	1666
Gray lime -	14	1680
Blue shale-	6	1686
Gray shale-	26	1712
Gray lime -	3	1715
Red beds-	3	1718
Blue shale-	3	1721
Lime -	3	1724
Sandy shale -	26	1750
Sand, oil -	4	1754
TOTAL DEPTH -		1754

<u>Driller's log of well 155</u>		
Condor Petroleum Co., K. Stoker well 1, 20 miles west of Tuscola,		
Cellar -	10	10
Lime -	45	55
Lime and blue shale-	65	120
Blue shale -	10	130
Sandy lime-	10	140
Gray sand -	8	148
Lime -	7	155
Blue shale-	10	165
Yellow clay -	30	195
Sandy lime-	15	210
Sandy yellow clay -	25	235
White sand-	15	250
Red beds -	35	285
Sandy lime-	15	300
Red beds -	10	310
Red shale -	5	315
Red beds -	5	320
Sandy lime-	5	325
Red beds -	15	340
Hard red sand-	15	355
Red beds -	5	360
Red shale -	25	385
Red beds -	18	403
Red shale -	22	425
Red beds -	100	525
Red shale -	25	550
Red rock -	80	630
Red shale -	65	695
Red rock -	5	700
Lime -	5	705
Red rock -	15	720
Lime -	5	725
Red rock -	10	735
Red shale -	15	750
Lime -	7	757

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 155--Continued</u>		
Red shale-	13	770
Lime, caving-	5	775
Red shale-	5	780
Red rock -	45	825
Red beds -	35	860
Red rock and lime shells-	25	885
Hard gray lime -	10	895
Red beds -	40	935
Blue shale -	10	945
Red beds -	110	1055
Blue shale -	10	1065
Blue shale and lime shells	10	1075
Blue shale and shells-	10	1085
Red rock, caving -	70	1155
Red beds -	45	1200
Red rock -	95	1295
Blue shale and lime shells	20	1315
Brown shale and shells -	60	1375
Brown shale -	5	1380
Lime and blue shale -	15	1395
Lime and shale breaks-	35	1430
Lime and blue shale breaks	30	1460
Hard lime-	40	1500
Lime and blue shale breaks	50	1550
Lime -	55	1605
Gray lime-	135	1740
Blue shale with lime breaks	50	1790
Broken lime -	240	2030
Lime -	10	2040
Anhydrite-	55	2095
Hard anhydrite -	35	2130
Lime and shale breaks-	45	2175
Anhydrite lime water, shale breaks -	29	2204
Lime and shale breaks-	69	2273
Blue shale and lime shells	64	2337
Shale and lime shells-	43	2380
Lime -	33	2413
Broken lime -	27	2440
Water, sand -	25	2465
TOTAL DEPTH -		3658

Logs of test wells drilled by W. P. A. labor in Taylor County, Texas  
 Samples examined and classified by Hoyt A. Smith  
 Project Superintendent

	Thickness (feet)	Depth (feet)
<u>Well 12</u>		
Valley, T. D. Chapman tract, Guadalupe School Land, blk. 120, sec. 3, 2 miles southwest of View, 11 miles southeast of Merkel.		
Sandy red clay - - - -	3	3
Sandy gravel - - - -	3	6
Rocks and sand - - - -	3	9
Rocks - - - -	-	9
March 10, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 13</u>		
Creekbed, T. D. Chapman tract, Guadalupe School Land survey, 1 1/2 miles south, 1/2 mile west of View. 11 miles southeast of Merkel.		
Black top soil - - - -	4	4
Sandy red gravel - - - -	3	7
Red clay - - - -	9	16
Blue shale - - - -	1	17
Rocks - - - -	-	17
March 8, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 16</u>		
Level, Gertie Davis tract, E 1/2, lab. 1, Grimes County School Land 124, 8 miles northwest of Tye. 5 1/4 miles northeast of Merkel.		
Sandy red gravel - - - -	4	4
White caliche - - - -	3	7
Red clay - - - -	13	20
Joint red clay - - - -	7	27
May 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 19</u>		
Level, M. L. Alexander tract, Jose Gabo survey, 1 1/2 miles west of Tye. 9 1/4 miles west of Abilene.		
Black top soil - - - -	3	3
Clay - - - -	32	35
Lime rock - - - -	1	36
Struck water at 36 feet. Water level, 26 feet below top of ground, 10 hours after hole completed. April 21, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 20</u>		
Flat, S. B. Thomas tract, Jose Gabo survey, 1 1/2 miles west of Tye. 9 1/2 miles west of Abilene.		
Black top soil - - - -	3	3
Sand and gravel - - - -	11	14
Clay - - - -	-	14

	Thickness (feet)	Depth (feet)
<u>Well 20--Continued</u>		
Struck water at 11 feet. Water level, 10 feet below top of ground, 2 hours after hole completed. April 10, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 21</u>		
Level, S. B. Thomas tract, Jose Gabo survey, 2 miles west of Tye. 9 miles west of Abilene.		
Black top soil - - - -	3	3
Yellow caliche - - - -	3	6
Sand and gravel - - - -	6	12
Caving and washing. Could not get water sample. Struck water at 11 feet. April 11, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 23</u>		
Level, Jim Knight tract, T. & P. survey, 1 1/2 miles north of Tye. 7 miles west of Abilene.		
Sandy red top soil - - - -	3	3
Rocky clay - - - -	7	10
Clay - - - -	39	49
April 27, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 24</u>		
Flat, Jim Knight tract, sec. 28, blk. 16, T. & P. R.R. survey, 1 mile north of Tye. 6-3/4 miles west of Abilene.		
Black top soil - - - -	4	4
Red joint clay - - - -	46	50
Tried to get through clay in this test but failed. April 26, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 25</u>		
Flat, E. Horton tract, SW 1/4, sec. 34, blk. 16, T. & P. R.R. survey, 5-3/4 miles west of Abilene.		
Sandy red clay - - - -	4	4
Sandy blue shale - - - -	10	14
Red clay - - - -	20	34
April 21, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 26</u>		
E. Horton tract, SW 1/4 sec. 34, blk. 16, T. & P. R.R. survey, 5 1/2 miles west of Abilene.		
Red top soil - - - -	4	4
Red clay - - - -	33	37
Clay - - - -	1	38
April 21, 1939.		

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

	Thickness (feet)	Depth (feet)
<u>Well 27</u>		
Gentle slope, E. Horton tract, SW $\frac{1}{2}$ sec. 34, blk. 16, T. & P. R.R. survey, 5 $\frac{1}{2}$ miles west of Abilene.		
Red clay and shale - - -	25	25
Red clay and mica - - -	7	32
April 10, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 31</u>		
Gentle slope, Emmette Chandler tract, J. M. Beck survey, 3-3/4 miles west of Abilene.		
White sand and gravel - -	8	8
Broken clay and gravel - -	10	18
Red clay - - - - -	6	24
March 27, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 33</u>		
Gentle slope, Emmette Chandler tract, J. M. Beck survey, at Pleasant Hill, 4 $\frac{1}{2}$ miles southwest of Abilene.		
Sandy top soil - - - -	2	2
Sandy red gravel - - - -	8	10
Red sand - - - - -	2	12
Sandy clay - - - - -	3	15
Sand, clay and rocks - -	6	21
Water level, 14.5 feet below top of ground, 2 hours after hole completed.		
March 23, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 40</u>		
Creek terrace, C. Mattingley tract, John McSherry survey 129, S part, 8-3/4 miles west of Abilene.		
Red top soil - - - - -	2	2
Red broken clay - - - -	39	41
Joint clay - - - - -	9	50
Struck water at 40 feet. Water level, 37 feet below top of ground, 1 hour after hole completed. May 29, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 42</u>		
Flat, T. E. Hammond tract, John McSherry survey 129, 7 $\frac{1}{2}$ miles west of Abilene.		
Red gravel - - - - -	5	5
Red clay - - - - -	20	25
May 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 43</u>		
Hillside, W. E. Boze tract, 10 $\frac{1}{2}$ miles west of Abilene.		
Red top soil - - - - -	3	3
Sandy gravel - - - - -	4	7
Joint clay - - - - -	10	17
May 23, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 44</u>		
Flat, W. E. Boze tract, Guadalupe County School Land 121, northeast part, lab. 30, 11 miles west of Abilene.		
Red clay, top soil - - -	3	3
White clay - - - - -	7	10
Broken red clay - - - -	13	23
Lime rock - - - - -	2	25
Red joint clay - - - - -	8	33
June 12, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 49</u>		
Level, T. M. McGehee tract, Guadalupe School Land 120, 13 miles southwest of Abilene.		
Sandy top soil - - - -	3	3
Red clay - - - - -	4	7
Clay - - - - -	-	7
March 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 50</u>		
Creek terrace, T. M. McGehee tract, Guadalupe School survey, blk. 120, sec. 2, 13 miles southwest of Abilene.		
Sand and gravel - - - -	6	6
Red clay - - - - -	18	24
Clay - - - - -	-	24
March 8, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 54</u>		
D. T. Hooper tract, blk. 120, survey 20, Guadalupe School Land. 12-3/4 miles southwest of Abilene.		
Sandy white clay - - - -	8	8
Blue shale - - - - -	1	9
Red clay - - - - -	9	18
Clay - - - - -	-	18
March 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 55</u>		
Level valley, D. T. Hooper tract, blk. 120, sec. 2, Guadalupe School Land, 12 $\frac{1}{2}$ miles southwest of Abilene.		
Sandy red gravel - - - -	7	7
Sandy red clay (little water)	2	9
Red clay - - - - -	20	29
Clay - - - - -	-	29
Struck a little water at 27 feet, very little rock in clay. Struck water at 9 and 27 feet. Water level, 27 feet below top of ground, 24 hours after hole completed. March 8, 1939.		



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

	Thickness (feet)	Depth (feet)
<u>Well 56</u>		
Creek terrace, D. T. Hooper tract, sub-division 2, Guadalupe County School Land 120. 12 $\frac{1}{2}$ miles southwest of Abilene.		
Black top soil - - - -	3	3
Gravel - - - -	4	7
Sand and gravel - - - -	5	12
Struck water at 9 feet. Water level, 8 feet below top of ground, 1 hour after hole completed. March 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 57</u>		
Flat, Earl Landers tract, Guadalupe School survey 120. 12 $\frac{1}{2}$ miles southwest of Abilene.		
Black top soil - - - -	3	3
Clay - - - -	4	7
Red clay - - - -		7
March 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 58</u>		
Flat, on Highway 158, Taylor County School Land, 12 miles southwest of Abilene.		
Sandy black soil - - - -	4	4
Red clay - - - -	5	9
Clay - - - -		9
March 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 59</u>		
Gentle slope, Earl Landers tract, Guadalupe County School Land survey 120. 12 miles southwest of Abilene.		
Sandy white gravel - - - -	7	7
Red clay - - - -	15	22
Red clay - - - -		22
March 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 60</u>		
Gentle slope, side Highway 158, at View. 11 $\frac{1}{2}$ miles southwest of Abilene.		
Black top soil - - - -	3	3
Red sand - - - -	4	7
Sandy clay - - - -	2	9
Red clay - - - -	5	14
March 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 61</u>		
Flat, M. D. Richards tract, Guadalupe County School Land league 120, Texas Service Station, at View. 11 $\frac{1}{2}$ miles southwest of Abilene.		
Sandy red clay - - - -	17	17
Blue shale - - - -	1	18
Red clay - - - -	1	19

	Thickness (feet)	Depth (feet)
<u>Well 61--Continued</u>		
Clay - - - -		19
March 1, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 62</u>		
Creek terrace, M. D. Richards tract, blk. 10, league 120, Guadalupe School Land. 11-3/4 miles southwest of Abilene.		
Top soil - - - -	3	3
Sandy red clay - - - -	3	6
Sand and gravel - - - -	4	10
Sandy clay - - - -	1	11
Struck water at 11 feet. Water level, 9 feet below top of ground, 1 hour after hole completed. March 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 65</u>		
Flat, B. E. Plowman tract, Guadalupe School Land, blk. 10, league 120. 11-3/4 miles southwest of Abilene.		
Sandy red clay - - - -	5	5
Red clay - - - -	6	11
Clay - - - -		11
March 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 66</u>		
M. D. Richards, Guadalupe County School Land survey 120, 11 $\frac{1}{2}$ miles southwest of Abilene.		
Sandy black top soil - - - -	2	2
Sandy red gravel - - - -	6	8
Red sand - - - -	1	9
Gravel - - - -	2	11
Red clay - - - -	5	16
Red clay - - - -		16
March 1, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 68</u>		
Gentle slope, State Highway 158, M. Oliveros survey, sec. 34, east side road 1 mile north of View. 10 $\frac{1}{2}$ miles southwest of Abilene.		
Sandy black top soil - - - -	4	4
Sandy red clay - - - -	5	9
Red clay - - - -	3	12
Rock - - - -		12
March 10, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 69</u>		
Gentle slope, State Highway 158, J. M. Saucedo survey, 9-3/4 miles southwest of Abilene.		
White caliche - - - -	4	4
Red sand - - - -	6	10
(Continued on next page)		

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

	Thickness (feet)	Depth (feet)
<u>Well 69--Continued</u>		
Sand and gravel - - - -	2	12
Rock - - - - -		12
March 10, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 71</u>		
Flat, east side of State Highway 158, 8 $\frac{1}{2}$ miles southwest of Abilene.		
Black top soil - - - -	5	5
White caliche - - - -	1	6
Sandy red clay - - - -	4	10
Sand and gravel - - - -	2	12
Could not get clear sample because of caving. Struck water at 11 feet. Water level, 10 feet below top of ground, 1 hour after hole completed. March 10, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 72</u>		
Flat, Arthur Harbor tract, J. M. Saucedo survey, sec. 8, 9 miles southwest of Abilene.		
Black soil - - - - -	3	3
Rotten clay - - - - -	10	13
Clay - - - - -	9	22
March 27, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 73</u>		
Creek terrace, H. E. Wright tract, J. M. Saucedo survey, 8-3/4 miles southwest of Abilene.		
Sandy red soil - - - -	4	4
Gravel - - - - -	4	8
Sandy red clay - - - -	6	14
Red clay - - - - -	4	18
Clay - - - - -		18
March 14, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 74</u>		
E. R. Wright tract, Sec. 14, Saucedo survey, at Caps. 8 $\frac{1}{2}$ miles southwest of Abilene.		
Sandy black top soil - -	3	3
Sandy red gravel - - -	7	10
Red clay - - - - -	7	17
Clay - - - - -		17
March 13, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 75</u>		
Gentle slope, Roy Quattlebaum tract, J. M. Saucedo survey, sec. 15, 9 miles southwest of Abilene.		
Black top soil - - - -	3	3
Sandy white clay - - -	7	10
Red clay - - - - -	17	27
Clay - - - - -		27
March 13, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 76</u>		
Creek terrace, Roy Quattlebaum tract, R. J. Seay survey, 8 $\frac{1}{2}$ miles southwest of Abilene.		
Sandy red top soil - - -	3	3
Sandy red gravel - - -	6	9
Broken clay - - - - -	4	13
Red clay - - - - -	7	20
Clay - - - - -		20
March 14, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 77</u>		
Gentle slope, Roy Quattlebaum tract, sec. 15, 8 $\frac{1}{2}$ miles southwest of Abilene.		
Red top soil - - - - -	1	1
White sand rock - - - -	6	7
Red clay - - - - -	5	12
March 14, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 78</u>		
Flat, W. A. Harbor tract, W. B. Hardin survey, Highway 158, Caps, 8 miles southwest of Abilene.		
Sandy soil - - - - -	3	3
Sandy red gravel - - - -	7	10
Clay - - - - -	8	18
March 21, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 79</u>		
Flat, R. L. Williams tract, southeast corner W. B. Hardin survey, 7 $\frac{1}{2}$ miles southwest of Abilene.		
Black top soil - - - -	3	3
White caliche - - - - -	2	5
Sandy red gravel - - - -	2	7
Sandy red clay - - - - -	10	17
Clay and gravel - - - - -	2	19
Clay - - - - -	5	24
Struck seep of water at 7 feet, water at 19 feet. Water level, 21 feet below top of ground, 12 hours after hole completed. March 13, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 80</u>		
Flat, Hensley Trantham tract, M. Oliveras survey, No. 10, on Highway 158, 7 $\frac{1}{2}$ miles southwest of Abilene.		
Sandy red top soil - - -	4	4
Sandy white caliche - - -	7	11
Red clay - - - - -	10	21
March 14, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 81</u>		
Caps Gin Company tract, W. B. Hardin survey, at Caps, 7-3/4 miles southwest		
(Continued on next page)		

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

	Thickness (feet)	Depth (feet)
<u>Well 81--Continued</u>		
of Abilene.		
Sandy black clay - - -	4	4
Red rocky clay - - -	6	10
Red clay - - -	7	17
Clay - - -		17
March 23, 1939.		
<u>Well 82</u>		
Flat, W. O. Hopkins tract, W. B. Hardin survey, 7 $\frac{1}{2}$ miles southwest of Abilene.		
Black soil - - -	4	4
Sandy gravel - - -	8	12
Clay - - -	8	20
March 24, 1939.		
<u>Well 83</u>		
Flat, W. L. Hopkins tract, W. B. Hardin survey, 7 $\frac{1}{2}$ miles southwest of Abilene.		
Sandy red clay - - -	3	3
Yellow caliche - - -	4	7
Red clay - - -	10	17
March 28, 1939.		
<u>Well 85</u>		
Flat, Terrell Furgerson tract, Burr and Caswell survey, 6 $\frac{1}{2}$ miles southwest of Abilene.		
Black top soil - - -	3	3
White caliche - - -	4	7
Sandy red clay - - -	3	10
Red clay - - -	10	20
Clay - - -		20
March 22, 1939.		
<u>Well 86</u>		
Flat, Terrell Furgerson tract, Burr and Caswell survey, 6-3/4 miles southwest of Abilene.		
Black top soil - - -	4	4
Yellow caliche - - -	5	9
Broken clay - - -	10	19
Red clay - - -	6	25
March 23, 1939.		
<u>Well 94</u>		
Gentle slope, Dr. Chas. Williams tract sec. 64, Blind Asylum survey, 2 $\frac{1}{2}$ miles south of Abilene.		
Black top soil - - -	3	3
Sandy red gravel - - -	10	13
Red sand - - -	7	20
Rocky blue clay - - -	3	23
Struck water at 20 feet. Water level, 20 feet below top of ground, 1 hour after hole completed, June 27, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 95</u>		
Flat, Ir. Chas. Williams tract, sec. 64, Blind Asylum survey, 2-3/4 miles south of Abilene.		
Red sand - - -	15	15
Red gravel and sand - - -	9	24
Struck water at 18 feet. Water level, 18 feet below top of ground, 1 hour after hole completed, July 6, 1939.		
<u>Well 96</u>		
Flat, 2-3/4 miles south of Abilene, State Highway 84.		
Black top soil - - -	3	3
Sandy red gravel - - -	10	13
White sand - - -	2	15
Sandy red gravel - - -	9	24
Blue clay - - -	1	25
Struck water at 20 feet. Water level, 20 feet below top of ground, 2 hours after hole completed, July 16, 1939.		
<u>Well 97</u>		
Flat, L. W. Mansfield tract, sec. 65, B. A. Lane survey, 4 $\frac{1}{2}$ miles south of Abilene.		
Sandy red top soil - - -	4	4
Red clay - - -	20	24
Sandy yellow clay - - -	6	30
Red clay - - -	10	40
April 25, 1939.		
<u>Well 98</u>		
Flat, W. L. Stem tract, 4-3/4 miles south of Abilene.		
Sandy red top soil - - -	3	3
Sandy white clay - - -	10	13
Red clay - - -	7	20
Blue soapstone - - -	6	26
Blue and red clay - - -	10	36
Red clay - - -	4	40
April 27, 1939.		
<u>Well 99</u>		
Flat, Califf Trammel tract, 5 $\frac{1}{4}$ miles south of Abilene on Highway 84.		
Sandy red soil - - -	3	3
Sandy white clay - - -	7	10
Sandy red gravel - - -	8	18
Red, blue and purple clay - - -	2	20
Red clay - - -	10	30
May 12, 1939.		

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

	Thickness (feet)	Depth (feet)
<u>Well 100</u>		
Flat, W. O. Dawson tract, 5 $\frac{1}{2}$ miles south of Abilene.		
Sandy red top soil - - -	3	3
Sandy red clay - - -	8	11
Sand and gravel - - -	4	15
Clay - - -		15
Struck water at 13 feet. Water level, 13 feet below top of ground, 12 hours after hole completed. May 22, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 102</u>		
Hilltop, C. E. Wingo tract, Wm. E. Vaughn survey, 6-3/4 miles south of Abilene.		
Sandy gravel - - -	5	5
Red and blue clay - - -	8	13
Gravel and clay - - -	8	21
Joint clay - - -	8	29
May 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 110</u>		
Flat, side highway, 10 $\frac{1}{2}$ miles south of Abilene.		
Black top soil - - -	3	3
Sandy red gravel - - -	10	13
Red clay - - -	10	23
June 26, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 111</u>		
Creek terrace, Chas. A. McGaughey tract, 7-3/4 miles south of Abilene.		
Black top soil - - -	3	3
Red sand - - -	4	7
Sand and gravel - - -	4	11
Water level, 7 feet below top of ground, 1 hour after hole completed. August 18, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 112</u>		
Flat, D. F. Downing tract, 10-3/4 miles southeast of Abilene.		
Red top soil - - -	1	1
White clay - - -	9	10
Rock - - -		10
July 10, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 114</u>		
Flat, J. L. Thorp tract, 9 miles southeast of Abilene.		
Sandy red top soil - - -	2	2
Sandy red gravel - - -	14	16
Pock - - -	1	17
Blue clay - - -	14	31
June 27, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 115</u>		
Flat, Luther J. Webb tract, sec. 31, SW, Blind Asylum, 9-3/4 miles southeast of Abilene.		
Black top soil - - -	3	3
Yellow clay - - -	7	10
White clay - - -	11	21
Rock - - -		21
June 23, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 118</u>		
Flat, Luther J. Webb tract, SW $\frac{1}{4}$ sec. 31, Blind Asylum, 9 $\frac{1}{2}$ miles southeast of Abilene.		
Black top soil - - -	2	2
White clay - - -	5	7
Broken blue and yellow clay	6	13
Rock - - -		13
June 23, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 119</u>		
Flat, Sec. 29, Lunatic Asylum survey, 8 $\frac{1}{2}$ miles southeast of Abilene.		
Black top soil - - -	3	3
Blue clay - - -	7	10
Blue rock - - -	1	11
Blue clay - - -	5	16
Rock - - -		16
Struck water at 16 feet. Water level, 13 feet below top of ground, 12 hours after hole completed. July 24, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 120</u>		
Flat, side county road, 8 $\frac{1}{2}$ miles southeast of Abilene.		
Blue clay - - -	6	6
Rock - - -		6
April 27, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 121</u>		
Flat, Adolf Brandon tract, 7 miles south of Abilene.		
Red top soil - - -	3	3
Red broken clay - - -	20	23
Lime rock - - -	1	24
Red joint clay - - -	10	34
May 29, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 122</u>		
Gentle slope, Ed Connley tract, Guadalupe County School Land League 120, S. part, 7 miles south of Abilene.		
Black top soil - - -	3	3
Sandy white clay - - -	5	8

(Continued on next page)

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

	Thickness (feet)	Depth (feet)
<u>Well 122--Continued</u>		
Red gravel and sand - - -	7	15
Struck water at 10 feet. Water level, 9 feet below top of ground, $\frac{1}{2}$ hour after hole completed. June 9, 1939.		
<u>Well 123</u>		
Flat, Ed Connley tract, $6\frac{1}{2}$ miles south of Abilene.		
Red top soil - - - - -	3	3
White clay - - - - -	7	10
Red broken clay - - -	10	20
Joint clay - - - - -	9	29
June 6, 1939.		
<u>Well 125</u>		
John Bowyer tract, $6\frac{3}{4}$ miles south of Abilene.		
White clay - - - - -	7	7
Red clay - - - - -	10	17
May 29, 1939.		
<u>Well 126</u>		
John Bowyer tract, NW $\frac{1}{4}$ sec. 19, Lunatic Asylum survey, 6-3/4 miles southeast of Abilene.		
Black top soil - - - - -	3	3
Rock - - - - -		3
May 29, 1939.		
<u>Well 127</u>		
Flat, county road, 6-3/4 miles southeast of Abilene.		
Black top soil - - - - -	2	2
White clay - - - - -	4	6
Rock - - - - -		6
July 26, 1939.		
<u>Well 129</u>		
Creek terrace, H. W. Blackburn tract, sec. 5, blk. 8, S. P. R.R. Co. survey, 5 miles southeast of Abilene.		
Sandy white gravel- - -	6	6
Could not get through gravel, too much water. Struck water at 3 feet. Water level, 3 feet below top of ground, $\frac{1}{2}$ hour after hole completed. July 11, 1939.		
<u>Well 130</u>		
Gentle slope, H. W. Blackburn tract, blk. 59, Blind Asylum land, $5\frac{1}{2}$ miles southeast of Abilene.		
White clay - - - - -	4	4
Blue flint rock - - -		4
July 26, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 131</u>		
Flat, side county road, 6 miles east of Abilene.		
Black top soil - - - - -	3	3
Blue clay - - - - -	7	10
Rock - - - - -	1	11
Blue clay - - - - -	4	15
Rock - - - - -		15
July 24, 1939.		
<u>Well 134</u>		
Flat, Emmitt Antilley, 5 miles east of Abilene.		
Black top soil - - - - -	2	2
White lime rock - - - -	4	6
Blue flint rock - - - -	1	7
August 21, 1939.		
<u>Well 135</u>		
Flat, State Highway 80, 4 miles east of Abilene.		
Black top soil- - - - -	1	1
Rock - - - - -	1	2
August 21, 1939.		
<u>Well 139</u>		
Flat, State Highway 158, $9\frac{1}{2}$ miles northwest of Tuscola.		
Sandy black top soil- - -	3	3
Rock - - - - -		3
February 28, 1939.		
<u>Well 140</u>		
Flat, west side Highway 158, $10\frac{1}{2}$ miles northwest of Tuscola.		
Black clay top soil - - -	5	5
Red rocky clay - - - -	4	9
Red clay - - - - -	2	11
Clay - - - - -		11
February 28, 1939.		
<u>Well 141</u>		
West embankment of highway no. 158, Cedar Creek bridge. $10\frac{3}{4}$ miles west of Tuscola.		
Sandy black top soil - - -	3	3
Blue clay - - - - -	4	7
White caliche - - - - -	2	9
Sand and gravel - - - -	3	12
Rock - - - - -		12
February 29, 1939.		

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

	Thickness (feet)	Depth (feet)
<u>Well 142</u>		
Flat, side highway 158, at Elm creek bridge, 11 $\frac{1}{4}$ miles west of Tuscola.		
Sandy black top soil - - - -	4	4
Sand and gravel - - - -	2	6
February 29, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 143</u>		
Gentle slope, State Highway 158, 11-3/4 miles west of Tuscola.		
Sandy black top soil - - - -	3	3
Sandy gravel - - - -	3	6
Rock - - - -	-	6
February 28, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 152</u>		
Gentle slope, Tom Frants tract, SE $\frac{1}{4}$ sec. 137, blk. 64, H. & T. C. survey, 19 $\frac{1}{4}$ miles west of Tuscola.		
Black top soil - - - -	3	3
White caliche - - - -	6	9
Sandy red gravel - - - -	2	11
White sand and gravel - - - -	4	15
Struck water at 14 feet. Water level, 13 feet below top of ground, 1 hour after hole completed. February 24, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 154</u>		
Creek terrace, C. R. Crayton tract, John Walter survey 460, 19-3/4 miles west of Tuscola.		
Sandy top soil - - - -	3	3
White sand rock - - - -	7	10
Struck water at 9 feet. Water level, 8 feet below top of ground, 1 hour after hole completed. February 24, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 163</u>		
Gentle slope, Eugene Crayton tract, Wm. S. Henry survey, NW $\frac{1}{4}$ , 18 $\frac{1}{4}$ miles west of Tuscola.		
Black top soil - - - -	3	3
Sandy white clay - - - -	3	6
Gravel and clay - - - -	3	9
Sandy red clay - - - -	5	14
Red sand - - - -	2	16
Rocky red clay - - - -	2	18
White sand - - - -	3	21
Struck water at 21 feet. Water level, 17 feet below top of ground, 11 hours after hole completed. February 8, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 164</u>		
Gentle slope, Pillion Heirs tract, NW $\frac{1}{4}$ , W. W. Marshall survey, 20 $\frac{1}{2}$ miles west of Tuscola.		
Black top soil - - - -	3	3
White caliche - - - -	7	10
White sand and gravel - - - -	12	22
White and blue clay - - - -	3	25
February 10, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 165</u>		
Flat, side of State Highway 158, H. & T. C. survey 178, NW $\frac{1}{4}$ , Nolan Taylor County line, 22 miles west of Tuscola.		
Sandy red top soil - - - -	3	3
Sandy red clay - - - -	12	15
Red sand - - - -	4	19
Sand and gravel - - - -	1	20
Struck water at 19 feet. Water level, 17.2 feet below top of ground, 3 hours after hole completed. February 23, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 170</u>		
Gentle slope, A. M. Sliger tract, Thomas Linsey survey, 19 $\frac{1}{2}$ miles west of Tuscola.		
Black top soil - - - -	3	3
White sand - - - -	3	6
Sandy gravel - - - -	2	8
Sandy red clay - - - -	4	12
Sandy blue clay - - - -	2	14
Sandy red clay - - - -	4	18
Blue clay - - - -	2	20
Red clay - - - -	2	22
February 8, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 172</u>		
Creek terrace, J. L. Holland tract, John Walker survey 460, 18 $\frac{1}{2}$ miles west of Tuscola.		
Sandy black top soil - - - -	6	6
Sandy white clay - - - -	8	14
Sand and gravel - - - -	6	20
Struck water at 19 feet. Water level, 18 feet below top of ground, 1 hour after hole completed. February 22, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 173</u>		
Flat, C. V. Foster tract, John Walker survey, 460, NE $\frac{1}{4}$ , 18 miles west of Tuscola.		
Black top soil - - - -	3	3
Sandy white clay - - - -	4	7
Sandy red clay - - - -	6	13
Red clay - - - -	9	22
February 10, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 174</u>		
Hillside, Vester Parrish tract, Sec. 127 H. & T. C. R.R. Co. survey, 18 $\frac{1}{2}$ miles west of Tuscola.		
Black top soil - - - -	3	3
White clay - - - -	7	10
Red sand and gravel - - - -	5	15
Clay - - - -	2	17

(Continued on next page)

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

	Thickness (feet)	Depth (feet)
<u>Well 174--Continued</u>		
Struck water at 12 feet. Water level, 12 feet below top of ground, 1 hour after hole completed. August 4, 1939.		
<u>Well 175</u>		
Creek terrace, Dr. J. G. Dodge tract, sec. 118, H. & T. C. survey, 16 $\frac{1}{2}$ miles southwest of Tuscola.		
Sandy top soil - - - -	3	3
White clay - - - -	7	10
Red sand - - - -	2	12
Gravel - - - -	4	16
Struck water at 12 feet. Water level, 10 feet below top of ground, $\frac{1}{2}$ hour after hole completed. August 1, 1939.		
<u>Well 183</u>		
Hillside, W. W. McIver tract, H. & T. C. survey, Sec. 137, 13-3/4 miles southwest of Tuscola.		
Sandy yellow top soil- -	2	2
White sand - - - -	2	4
Sandy yellow clay - - -	1	5
Sandy red clay - - - -	1	6
White sand - - - -	3	9
February 22, 1939.		
<u>Well 187</u>		
Gentle slope, J. G. Nix tract, Survey 126, H. & T. C. R.R. Co., 13 miles southwest of Tuscola.		
Red clay - - - -	20	20
August 1, 1939.		
<u>Well 189</u>		
Flat, Taylor County land, 13 miles southwest of Tuscola.		
Sandy red top soil- - -	3	3
Sandy white clay - - -	8	11
Red clay - - - -	11	22
August 28, 1939.		
<u>Well 195</u>		
Flat, Taylor County road, 12 miles southwest of Tuscola.		
Black top soil - - - -	3	3
Broken clay - - - -	7	10
Red clay - - - -	23	33
July 27, 1939.		
<u>Well 196</u>		
Flat, Taylor County road, 11 $\frac{1}{4}$ miles southwest of Tuscola.		
Red clay - - - -	32	32
July 31, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 197</u>		
Flat, State Highway, 8 miles southwest of Tuscola.		
Red top soil - - - -	4	4
Red sand- - - -	6	10
Red clay- - - -	5	15
August 22, 1939.		
<u>Well 198</u>		
Flat, side highway, 7 miles southwest of Tuscola.		
Sandy red soil- - - -	3	3
Sandy white clay - - -	4	7
Red clay- - - -	8	15
Rock - - - -	-	15
August 22, 1939.		
<u>Well 200</u>		
Hillside, L. J. Covington tract, Samuel Andrews survey, 3 $\frac{1}{2}$ miles west of Tuscola.		
Sandy red top soil - - -	4	4
Red joint clay - - - -	6	10
April 26, 1939.		
<u>Well 202</u>		
Gentle slope, L. J. Covington tract, Samuel Andrews survey, 4 miles west of Tuscola.		
Sandy black top soil- - -	3	3
Red sand- - - -	7	10
Sandy red gravel - - - -	3	13
Red clay- - - -	17	30
April 26, 1939.		
<u>Well 203</u>		
Flat, Fred Jones tract, A. McMicken survey, 4 miles west of Tuscola.		
Sandy red top soil - - -	4	4
Red sand- - - -	20	24
Rocky clay - - - -	16	40
Gravel - - - -	4	44
Clay - - - -	1	45
Struck water at 40 feet. Water level, 38 feet below top of ground, 1 hour after hole completed. August 21, 1939.		
<u>Well 204</u>		
Hillside, L. J. Covington tract, Samuel Andrews survey, 3 $\frac{1}{2}$ miles west of Tuscola.		
Black top soil - - - -	3	3
Red clay- - - -	22	25
Rock - - - -	2	27
Clay - - - -	20	47
April 26, 1939.		

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

	Thickness (feet)	Depth (feet)
<u>Well 213</u>		
Hillside, Mrs. O. P. Thomas tract, sec. 10, blk. 1, S. P. R.R. Co. survey, 4 $\frac{1}{2}$ miles northeast of Tuscola.		
Sandy white clay - - -	4	4
Sandy red gravel - - -	6	10
Rocky red clay - - -	17	27
May 21, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 215</u>		
Gentle slope, Mrs. O. P. Thomas tract, sec. 10, blk. 1, S. P. R.R. Co. survey, 4 miles northeast of Tuscola.		
Black top soil - - -	3	3
White sand - - -	13	16
Sandy red gravel - - -	5	21
June 21, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 219</u>		
Flat, William Scurlock tract, 417, S $\frac{1}{2}$ , 3 miles east of Tuscola.		
Sandy black top soil - -	3	3
White sand and gravel -	3	6
Sandy red clay - - -	10	16
Sandy gravel and water -	2	18
Struck water at 16 feet. Water level, 15 feet below top of ground, 4 hours after hole completed. February 14, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 228</u>		
Flat, City of Lawn, 6 $\frac{1}{2}$ miles southeast of Tuscola.		
Sandy red top soil - - -	3	3
Red sand- - -	4	7
Sand and gravel - - -	9	16
Rock - - -	1	17
Clay - - -	2	19
Water level, 16 feet below top of ground, 1 hour after hole completed. May 15, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 229</u>		
Flat, City of Lawn, 6 $\frac{1}{2}$ miles southeast of Tuscola.		
Sandy red top soil - - -	3	3
Red sand- - -	5	8
Sand and gravel - - -	8	16
Rock - - -	1	17
Blue clay - - -	2	19
Rock - - -	1	20
Blue clay - - -	-	20
Water level, 12 feet below top of ground, 1 hour after hole completed. May 12, 1939.		



Partial analyses of water from wells and springs in Taylor County, Texas

(Analyzed at The University of Texas under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry, E. W. Lohr, Chemist, and James W. Yett, Assistant, U. S. Department of the Interior, Geological Survey; by D. F. Riddell, and H. T. Davidson, Chemists; and Martin Wieland, Jack Ramsey and James H. Raby, 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 c/	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Cal- cium (Ca)	Magne- sium (Mg)	Sodium and Potassium (Na / K (calc. )	Bicar- bonate (HCO <sub>3</sub> )	Sul- phate (SO <sub>4</sub> )	Chlo- ride (Cl)	Ni- trate (NO <sub>3</sub> )	Fluor- ide (F)	Total hardness as CaCO <sub>3</sub> (calc.)
1	City of Trent	50	July 25, 1939	4,392	236	333	806	671	1,592	1,015	76	4.0	1,961
3	Town of Blair	31	Aug. 29, 1939	1,334	168	93	176	458	294	330	48	0.4	802
4	Blair Gin Co.	65	Aug. 28, 1939	511	70	28	87	451	48	18	36	-	287
5	M. P. Latimer	40	do.	4,401	532	275	446	12	2,742	400	b/	0.3	2,460
8	J. G. Hale	70	Apr. 11, 1939	905	164	89	5	281	73	190	250	0.7	775
9	do.	72	do.	556	89	54	30	348	28	76	108	-	443
10	State Highway	49	do.	4,700	784	241	434	244	1,895	1,210	15	1.0	2,950
18	M. L. Alexander	56	Mar. 10, 1939	966	79	59	199	488	109	222	58	-	441
19	W. P. A. Test	36	Apr. 21, 1939	1,788	87	78	499	726	109	645	b/	-	538
20	do.	14	Apr. 10, 1939	7,940	1,262	727	-	323	121	1,400	4,267	1.1	6,145
22	J. H. Tolland	35	Apr. 24, 1939	1,862	220	156	197	482	585	395	72	-	1,191
29	Lit Winters	17	Apr. 24, 1939	483	88	30	48	305	93	72	b/	-	343
30	Andy Baker	18	Mar. 21, 1939	1,616	175	121	209	537	456	262	129	0.1	934
32	F. E. Baker	23	do.	324	89	25	3	366	15	12	b/	-	325
33	W. P. A. Test	21	Mar. 23, 1939	518	76	41	64	439	34	57	30	-	361
34	Taylor County	42	May 6, 1939	682	46	44	160	500	77	108	b/	1.2	297
35	A. V. Teaff	42	June 6, 1939	768	73	62	121	439	210	85	b/	1.4	438
37	do.	31	do.	154	41	12	23	171	a/	8	b/	-	153
39	W. H. Joiner	68	May 29, 1939	974	77	60	238	921	a/	139	b/	0.4	437
40	W. P. A. Test	50	do.	1,731	78	50	517	903	331	310	b/	1.0	400
41	W. W. Harp	80	do.	1,606	100	38	456	695	314	355	b/	1.0	409
46	Taylor County	49	Mar. 6, 1939	603	54	30	134	293	71	167	b/	-	259
47	H. U. Drummonds	18	do.	2,051	191	158	293	659	825	260	b/	-	1,128
48	M. D. Richards	41	do.	2,925	150	122	694	390	1,087	635	45	0.7	876
52	Taylor County	13	Mar. 8, 1939	385	-	-	-	329	61	18	b/	-	-
55	W. P. A. Test	29	do.	390	68	26	40	268	75	44	b/	-	276
56	do.	12	Mar. 7, 1939	377	-	-	-	275	71	33	b/	-	-
62	do.	11	Mar. 6, 1939	2,135	95	60	568	592	934	184	b/	1.6	482
70	Taylor County	Spring	Mar. 13, 1939	735	55	60	126	421	90	92	98	2.8	382

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligrams equivalents per liter on page 57.

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Partial analyses of water from wells and springs in Taylor County--Continued

Results are in parts per million.

Well #	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Cal- cium (Ca)	Magne- sium (Mg)	Sodium and Potassium (Na / K) (calc. )	Bicar- bonate (HCO <sub>3</sub> )	Sul- phate (SO <sub>4</sub> )	Chlo- ride (Cl)	Ni- trate (NO <sub>3</sub> )	Fluor- ide (F)	Total hardness as CaCO <sub>3</sub> (calc.)
79	W. P. A. Test	24	Mar. 13, 1939	4,535	132	203	964	488	190	665	2,138	- -	1,165
91	T. M. Dobbins	26	do.	401	57	24	60	268	81	47	b/	- -	240
92	W. H. Nelson	27	Mar. 18, 1939	485	81	42	54	537	24	20	b/	- -	376
94	W. P. A. Test	23	June 27, 1939	474	54	32	95	519	16	18	b/	1.4	265
95	do.	24	July 6, 1939	544	100	40	63	616	16	22	b/	- -	415
96	do.	25	do.	684	30	41	187	561	56	93	b/	1.1	246
101	W. O. Dawson	18	May 22, 1939	2,596	466	130	266	262	395	1,120	90	- -	1,700
103	J. S. McCarty	12	Mar. 23, 1939	1,601	184	57	292	390	392	355	125	- -	695
104	do.	24	do.	608	73	31	77	171	48	78	217	- -	309
105	O. T. Olhausen	22	Aug. 18, 1939	236	67	17	4	287	a/	3	b/	0.3	235
106	S. E. Clark	27	Mar. 23, 1939	607	98	52	53	427	141	53	b/	- -	457
107	C. Oliver	31	do.	679	98	54	70	390	141	87	37	- -	468
108	I. B. Duck	29	do.	444	76	36	42	390	65	29	b/	- -	337
109	W. O. Dallas	22	do.	543	18	40	142	482	73	32	b/	1.0	209
113	Ion Lockley	18	May 25, 1939	3,674	232	210	768	415	806	1,250	200	3.9	1,444
116	Luther J. Webb	14	June 23, 1939	4,315	346	187	489	342	1,504	1,220	b/	0.8	1,636
117	M. A. Williams	15	do.	673	-	-	-	464	105	92	b/	- -	-
119	W. P. A. Test	16	June 24, 1939	3,607	343	152	682	708	1,492	590	b/	- -	1,482
122	do.	15	May 9, 1939	408	67	48	25	451	14	16	b/	- -	365
124	Tom Duckworth	35	May 25, 1939	463	26	13	118	122	85	98	60	- -	118
128	W. H. Blackburn	4	July 24, 1939	339	59	20	40	189	53	74	b/	- -	227
129	W. P. A. Test	6	July 11, 1939	285	69	20	16	305	16	14	b/	- -	252
132	Taylor County	20	June 28, 1939	691	114	40	75	293	202	116	b/	- -	450
137	V. B. Reeves	31	July 12, 1939	551	-	-	-	342	52	126	b/	- -	-
138	Luther Hays	24	do.	471	94	24	40	287	85	49	38	- -	335
144	Coca Cola Bottling Co.	151	Feb. 28, 1939	218	39	21	18	226	11	18	b/	0.6	183
145	Mrs. Clyde Sears	80	do.	263	-	-	-	287	11	.9	b/	- -	-
146	Clyde Sears	Spring	do.	311	84	22	8	336	13	19	b/	- -	299
152	W. P. A. Test	15	Feb. 24, 1939	295	58	15	26	195	34	20	46	- -	204
153	Tom Franks	Spring	Feb. 23, 1939	276	74	16	10	262	26	21	b/	- -	250
156	Mrs. J. L. Reagan	118	Feb. 8, 1939	2,063	210	146	286	232	777	530	b/	1.5	1,125
157	W. A. Cate	72	do.	646	-	-	-	317	202	64	b/	- -	-

a/Sulphate less than 10 parts per million.

b/Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligrams equivalents per liter on page 37.

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Partial analyses of water from wells and springs in Taylor County--Continued

Results are in parts per million.

Well #	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Cal- cium (Ca)	Magne- sium (Mg)	Sodium and Potassium (Na / K (calc. )	Bicar- bonate (HCO <sub>3</sub> )	Sul- phate (SO <sub>4</sub> )	Chlo- ride (Cl)	Ni- trate (NO <sub>3</sub> )	Fluor- ide (F)	Total hardness as CaCO <sub>3</sub> (calc.)
159	G. W. Shafer	21	Feb. 24, 1939	339	70	16	35	244	59	39	b/	--	240
160	Shep Com. School	47	do.	818	80	47	141	256	294	130	b/	--	394
161	J. W. Bortee	37	Feb. 8, 1939	610	36	41	131	287	157	104	b/	--	261
162	Church of Christ	20	do.	895	61	36	198	366	187	84	149	--	303
163	W. P. A. Test	21	do.	397	90	32	20	397	32	28	b/	0.4	355
165	do.	20	Feb. 23, 1939	635	65	53	74	317	131	42	110	--	383
166	H. B. Gamble	31	Feb. 8, 1939	905	188	26	96	403	168	158	71	--	576
167	Theron Talley	15	Feb. 23, 1939	2,208	421	117	134	500	1,105	185	b/	0.7	1,532
168	do.	17	do.	812	107	68	104	494	112	178	b/	--	547
171	W. C. Bradshaw	22	Feb. 24, 1939	1,499	139	75	199	366	71	70	765	--	657
175	W. P. A. Test	16	Aug. 1, 1939	449	92	21	48	336	77	44	b/	1.7	318
177	Lance Sears	70	Feb. 13, 1939	267	-	-	-	220	28	30	b/	--	-
178	Tom Foster	40	do.	414	76	16	41	183	37	51	103	--	255
179	A. A. Foster	20	do.	329	73	19	31	354	15	17	b/	--	262
181	Tom Foster	80	do.	382	72	14	44	268	25	21	74	0.2	239
184	W. W. McIver	Spring	Feb. 22, 1939	465	94	30	31	342	75	23	44	0.7	359
185	Mrs. - Motz	19	July 27, 1939	376	90	33	5	360	32	18	21	--	360
186	J. G. Nix	19	do.	385	-	-	-	366	40	18	b/	--	-
190	J. R. Dry	20	do.	555	82	33	82	403	68	70	22	--	340
191	do.	19	do.	442	74	41	33	378	60	26	22	--	356
192	D. B. Ellison	19	do.	550	78	33	83	390	73	70	21	0.6	330
193	T. N. Mayhew	21	do.	1,224	152	67	163	415	141	198	300	1.1	656
194	Kelly Estate	19	do.	481	51	38	81	439	24	26	45	--	283
199	Henry Roberts	18	do.	321	62	32	16	262	32	49	b/	0.7	285
201	W. F. Jones	50	Aug. 22, 1939	1,083	176	47	123	360	327	130	103	--	634
203	W. P. A. Test	45	Aug. 21, 1939	1,260	192	49	156	311	472	132	106	0.3	680
205	L. J. Covington	34	Apr. 26, 1939	1,191	168	38	202	403	242	265	78	0.2	579
206	J. E. Lindly	24	June 23, 1939	739	82	47	121	427	101	106	72	--	399
207	John Kinkaid	34	Apr. 27, 1939	478	77	57	29	488	48	27	b/	--	425
208	Sam Bates	34	do.	373	-	-	-	372	28	18	b/	--	-
209	C. E. Yager	Spring	do.	318	94	10	11	244	48	35	b/	0.2	276
210	do.	5	do.	132	21	8	17	98	15	19	b/	--	85

a/ Sulphate less than 10 parts per million.  
b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligrams  
equivalents per liter on page 37.

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

Well c/	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Cal- cium (Ca)	Magne- sium (Mg)	Sodium and Potassium (Na / K) (calc. )	Bicar- bonate (HCO <sub>3</sub> )	Sul- phate (SO <sub>4</sub> )	Chlo- ride (Cl)	Ni- trate (NO <sub>3</sub> )	Fluor- ide (F)	Total hardness as CaCO <sub>3</sub> (calc.)
216	J. E. Graham	13	June 23, 1939	262	26	15	54	189	40	33	b/	1.1	129
217	City of Tuscola	34	do.	641	100	40	85	390	101	122	b/	0.9	415
218	L. B. Ivey	15	Feb. 14, 1939	683	116	23	63	159	30	100	273	0.4	384
219	W. P. A. Test	18	do.	3,359	239	174	716	348	747	1,230	74	4.8	1,312
220	N. L. Roberts	15	May 11, 1939	286	66	13	29	305	24	4	b/	- -	218
221	do.	17	do.	1,822	159	94	346	342	415	500	138	2.0	783
222	W. T. Edwards	23	do.	2,744	203	152	560	464	746	830	23	1.9	1,134
223	S. P. Ross	19	do.	636	52	36	138	409	121	76	b/	- -	277
224	H. N. Lawless	16	do.	1,388	142	122	192	464	202	460	42	- -	855
225	George Yost	17	do.	858	88	74	132	622	162	96	b/	- -	526
226	J. P. Allen	19	do.	490	101	42	24	427	81	32	b/	- -	426
227	City of Lawn	17	May 15, 1939	1,248	80	120	216	634	181	290	46	3.0	694
229	W. P. A. Test	20	May 12, 1939	1,332	96	123	227	683	181	315	53	1.3	746

Partial analyses of water from lakes in Taylor County, Texas  
Results are in parts per million.

Well c/	Depth (ft.)	Date of collection	Total dissolved solids (calc.)	Cal- cium (Ca)	Magne- sium (Mg)	Sodium and Potassium (Na / K) (calc. )	Bicar- bonate (HCO <sub>3</sub> )	Sul- phate (SO <sub>4</sub> )	Chlo- ride (Cl)	Ni- trate (NO <sub>3</sub> )	Fluor- ide (F)	Total hardness as CaCO <sub>3</sub> (calc.)
301	Lake	Apr. 11, 1939	272	54	27	13	268	28	18	b/	- -	247
305	Lake	Aug. 1, 1939	137	37	8	7	159	a/	6	b/	0.2	125
306	do.	May 5, 1939	155	31	9	19	183	a/	3	b/	0.4	116
307	Lake	Feb. 28, 1939	263	70	16	8	244	31	18	b/	0.2	240
309	Lake	Apr. 26, 1939	134	35	7	8	134	a/	9	b/	- -	114
310	Lake	do.	284	57	26	18	305	12	18	b/	0.6	251
311	Lake	Feb. 28, 1939	319	73	29	12	354	15	16	b/	- -	303
312	Lake	Apr. 4, 1939	509	74	30	70	281	127	70	b/	0.2	309
313	Lake	Aug. 8, 1939	186	43	8	19	177	13	16	b/	0.2	140

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligrams  
equivalents per liter on page 37.

Chemical analyses--Continued  
Results are in milligrams equivalents per liter

Well	Owner	Depth of well (ft.)	Date of collection	Total hardness as CaCO <sub>3</sub> (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Nitrate (NO <sub>3</sub> )	Total dissolved solids (calc.)
1	City of Trent	50	July 25, 1939	39.22	11.82	27.40	35.03	11.00	33.18	28.63	0.21	1.23	148.50
4	Blair Gin Co	65	Aug. 28, 1939	5.74	3.48	2.26	3.79	7.40	1.01	0.51	--	0.61	19.06
8	J. G. Hale	70	Apr. 11, 1939	15.50	8.20	7.30	0.04	4.60	1.51	5.36	0.04	4.03	31.08
18	M. L. Alexander	56	Mar. 10, 1939	8.82	3.96	4.86	8.65	8.00	2.27	6.26	--	0.94	34.94
20	W. P. A. Test	14	Apr. 10, 1939	122.90	63.10	59.80	--	5.30	2.52	39.48	0.06	68.81	239.01
30	Andy Baker	18	Mar. 21, 1939	18.68	8.76	9.92	9.08	8.80	9.49	7.39	0.01	2.08	55.52
33	W. P. A. Test	21	Mar. 23, 1939	7.22	3.82	3.40	2.77	7.20	0.70	1.61	--	0.48	19.98
34	Taylor County	42	May 6, 1939	5.94	2.28	3.66	6.97	8.20	1.60	3.05	0.06	--	25.82
70	do.	Spring	Mar. 13, 1939	7.64	2.74	4.90	5.47	6.90	1.88	2.60	0.15	1.58	26.22
79	W. P. A. Test	24	do.	23.30	6.60	16.70	41.91	8.00	3.97	18.76	--	34.48	130.42
96	do.	25	July 6, 1939	4.92	1.52	3.40	8.14	9.20	1.18	2.62	0.06	--	26.12
104	J. S. McCarty	24	Mar. 23, 1939	6.18	3.64	2.54	3.33	2.80	1.01	2.20	--	3.50	19.02
124	Tom Duckworth	35	May 25, 1939	2.36	1.32	1.04	5.13	2.00	1.76	2.76	--	0.97	14.94
129	W. P. A. Test	6	July 11, 1939	5.04	3.44	1.60	0.69	5.00	0.33	0.40	--	--	11.46
138	Luther Hays	24	July 12, 1939	6.70	4.70	2.00	1.75	4.70	1.76	1.38	--	0.61	16.90
144	Coca Cola Bottling Co.	151	Feb. 28, 1939	3.66	1.96	1.70	0.78	3.70	0.23	0.51	0.03	--	8.88
146	Clyde Sears	Spring	Feb. 28, 1939	5.98	4.18	1.80	0.33	5.50	0.27	0.54	--	--	12.62
162	Church of Christ	20	Feb. 8, 1939	6.06	3.06	3.00	8.60	6.00	3.89	2.37	--	2.40	29.32
165	W. P. A. Test	20	Feb. 23, 1939	7.66	3.26	4.40	3.22	5.20	2.72	1.19	--	1.77	21.76
178	Tom Foster	40	Feb. 13, 1939	5.10	3.80	1.30	1.78	3.00	0.78	1.44	--	1.66	13.76
190	J. R. Dry	20	July 27, 1939	6.80	4.10	2.70	3.55	6.60	1.42	1.97	--	0.36	20.70
201	W. F. Jones	50	Aug. 22, 1939	12.68	8.78	3.90	5.35	5.90	6.80	3.67	--	1.66	36.06
217	City of Tuscola	34	June 23, 1939	8.30	5.00	3.30	3.69	6.40	2.10	3.44	0.05	--	23.98
227	City of Lawn	17	May 15, 1939	13.88	3.98	9.90	9.38	10.40	3.78	8.18	0.16	0.74	46.52
306	City of Abilene	Lake	May 5, 1939	2.32	1.56	0.76	0.83	3.00	0.06	0.09	0.02	--	6.30
309	do.	Lake	Apr. 26, 1939	2.28	1.74	0.54	0.36	2.20	0.19	0.25	--	--	5.28
313	-- Graham	Lake	Aug. 8, 1939	2.80	2.14	0.66	0.82	2.90	0.27	0.45	0.01	--	7.24



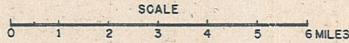
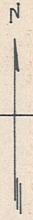
# MAP OF TAYLOR COUNTY, TEXAS

## SHOWING LOCATIONS OF WATER WELLS LISTED

FIELD WORK BY  
HOYT A. SMITH  
W. P. A. PROJECT 12765

BASE COMPILED FROM  
STATE HIGHWAY PLANNING SURVEY COUNTY ROAD MAP  
AND FIELD NOTES

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



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

