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POTTER COUNTY, TEXAS

Records of wells, springs,  
and representative earthen tanks, drillers' logs,  
water analyses, and map showing location of wells and tanks.

\* \* \*

WORKS PROGRESS ADMINISTRATION

GROUND-WATER SURVEY

PROJECT 5674

L. C. Smyers,  
Project Superintendent

\* \* \*

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

WORKS PROGRESS ADMINISTRATION

PROJECT 6507-5112

\* \* \*

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

\* \* \*

Austin, Texas

Jan. 15, 1938

# POTTER COUNTY, TEXAS

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

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

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

The analyses were made by chemists employed on Works Progress Administration Project 6507-5112 at Austin, Texas, sponsored by the State Board of Water Engineers. This release was typed and assembled by typists and draftsmen employed on this project.

The field work in Potter County was started on March 10, 1937, and completed August 24, 1937. This work was done as Project 6574 of Administrative Field Office 16 of the Works Progress Administration, Amarillo, Texas. L. C. Snyers, a geologist, was project superintendent. Mr. Snyers should be given credit for his great interest in the work and for the extra hours he spent on the project. The Amarillo office of the Works Progress Administration made this work possible by their constant help and cooperation. The Potter County Commissioners' Court cooperated by furnishing transportation for the workers during the entire project.

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

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

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

No.	Distance from Amarillo	Section	Survey and block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
2	26 miles northwest	103, center	H. & T. C. blk. 47	Bivins Estate	--	--	42	6
f/3	24½ miles northwest	101, SW¼	do.	do.	--	--	72	6
4	24 miles northwest	100, SW¼	do.	do.	--	--	84	6
5	22½ miles northwest	99, SE¼	do.	do.	--	--	34	6
7	22 miles northwest	96, E½	do.	do.	--	--	59	6
8	do.	41, SE¼	G. & M. blk..2	do.	--	--	82	6
9	23 miles northwest	53, SE¼SW¼	D. & P. blk. 0-18	do.	--	--	178	4
f/11	24 miles north	7, SW¼NE¼	do.	do.	--	--	84	6
12	24½ miles north	8, SW¼SE¼	do.	do.	--	--	70	6
13	25 miles northwest	52, SE¼NW¼	do.	do.	--	--	134	6
14	25½ miles northwest	21, NE¼	E. L. & R. R. blk. B-11	do.	--	1919	70	6
15	26 miles north	16, NE¼SW¼	D. & P. blk. 0-18	do.	--	Old	160	4
f/17	28 miles northwest	27, NE¼NW¼	do.	do.	Frank Jackson	1935	64	6
18	do.	26, SE¼SW¼	do.	do.	do.	1935	74	6
f/20	28½ miles north	13, NE¼	do.	Lee Bivins	Producers & Refiners Corp.	1924	2,575	--
22	27½ miles north	2, SW¼NW¼	do.	Bivins Estate	--	Old	167	6
23	26½ miles north	80, NW¼NW¼	do.	J. M. Crawford	Josh McAdams	1900	300	4
f/26	25 miles north	4, NE¼SW¼	do.	J. B. Crawford	--	--	100	4
f/27	20½ miles north	5, NE¼	G. & M. blk. 3	R. B. Masterson	White Oil Corp.	1921	4,200	--
f/28	20 miles north	6, SW¼NE¼	do.	Masterson Estate	--	--	172	6
f/29	18½ miles north	77, N½	H. & T. C. blk. 47	do.	--	--	Spring	--
30	18 miles north	76, center	do.	John C. Fain	Frank Jackson	1930	60	--
f/31	do.	75, SW¼	do.	do.	--	--	Spring	6
32	17½ miles north	75, SE¼	do.	do.	--	--	Spring	--

a/ Measuring point was usually top of casing, top of pump base, or top of well curb.  
 b/ T, turbine; C, cylinder; B, bucket; E, electric; G, gasoline engine; S, steam; W, windmill; H, hand; number indicates horsepower.  
 c/ I, irrigation; Ind, industrial; P, public; D, domestic; S, stock; N, not used.

Records obtained by L. C. Smyers, 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.) <u>a/</u>	Water Level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Altitude <u>d/</u>	Remarks
		Depth below measuring point (ft.)	Date of measurement				
2	--	34	<u>e/</u>	C,W	S	--	Iron casing. Weak supply
3	1.5	55.7	July 1, 1937	C,W	S	--	Iron casing.
4	1	74	do.	C,W	S	--	Iron casing. Pumping when measured. Located $\frac{1}{4}$ mile north Canadian River.
5	1	23	June 29, 1937	C,W	D,S	3,200	Iron casing. Located $\frac{1}{4}$ mile north Canadian River. Strong supply.
7	0.5	46.7	do.	None	N	3,140	Weak supply. Tenant reports fails in drought.
8	0.5	76.4	July 2, 1937	None	N	3,300	Do.
9	--	--	--	C,W	S	--	Iron casing.
11	--	--	--	C,W	S	--	Iron casing. Strong supply.
12	<del>0.7</del>	57.3	June 29, 1937	None	N	--	Iron casing.
13	1	113.4	June 26, 1937	C,W	S	--	Iron casing. Pumping when measured. Strong supply.
14	2.5	40.5	do.	C,W	D,S	--	70 feet iron casing. Measured pumping level, 60 feet. Strong supply.
15	2.3	55.2	June 25, 1937	C,W	S	--	Iron casing. Measured pumping level, 59.5 feet.
17	--	--	--	None	N	--	Dry hole. Tenant reports formerly supplied water for drilling purposes.
18	1	48.5	June 25, 1937	C,W	S	--	Iron casing. Measured pumping level, 55.1 feet. Located in draw.
20	--	--	--	None	N	3,698	Oil test. See log.
22	0.3	152.9	June 25, 1937	C,W	S	3,600	Iron casing. Strong supply. Located on bank of ravine.
23	--	290	<u>e/</u>	C,W	D,S	3,670	300 feet iron casing.
26	0	79.2	June 29, 1937	C,W	S	3,500	100 feet iron casing.
27	--	--	--	None	N	--	Oil test. See log.
28	0.5	142.9	June 28, 1937	C,W	S	3,330	Iron casing.
29	--	flows	do.	None	S	--	Tenant reports never fails in drought.
30	--	---	--	C,W	D,S	3,140	Strong supply.
31	--	flows	June 28, 1937	C,W	--	3,020	Tenant reports water from sand, 0-1 feet, sandstone, 1-2 feet.
32	--	flows	do.	None	P	--	Measured flow, $2\frac{1}{2}$ gallons a minute from 1 opening in sandstone.

d/ Altitude estimated from topographic sheet or reported from drillers logs.

e/ Water level reported.

f/ No water sample collected for analysis.

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

	Distance from Amarillo	Section	Survey and block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
f/34	18 $\frac{1}{2}$ miles north	74, S $\frac{1}{2}$	H. & T. C. blk. 47	Mrs. D. L. Kritzer	--	1935	60	--
f/35	22 miles north	2, N $\frac{1}{2}$	E. L. & R. R. blk. 11	R. B. Masterson	Ranch Creek Oil & Gas Co.	--	2,343	--
f/37	24 $\frac{1}{2}$ miles north	69, NW $\frac{1}{4}$ NW $\frac{1}{4}$	D. & P. blk. 0-18	Masterson Estate	--	1934	99	4
f/38	do.	70, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	--	--	120	6
f/39	24 miles north	104, N $\frac{1}{2}$	do.	do.	--	--	Spring	--
41	25 miles north	102, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	--	--	Spring	--
43	26 miles north	71, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	Frank Jackson	--	120	4
f/44	27 $\frac{1}{2}$ miles north	73, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	do.	do.	1934	207	5
46	27 miles north	63, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	do.	1936	103	4
47	do.	83, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	do.	--	--	118	4
f/48	26 miles north	91, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	do.	Frank Jackson	1934	40	6
50	27 miles north	84, SE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	do.	do.	--	132	4
52	26 $\frac{1}{2}$ miles north	88, NE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	do.	--	--	Spring	--
f/53	do.	85, SE $\frac{1}{4}$	G. & M. blk. 3	do.	--	--	200	--
55	23 $\frac{1}{2}$ miles north	60, SW $\frac{1}{4}$	H. & T. C. blk. 47	do.	--	--	28	5
57	28 miles north	31, SW $\frac{1}{4}$ NE $\frac{1}{4}$	E. L. & R. R. blk. B-10	do.	--	--	24	4
58	do.	31, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	--	--	32	6
f/59	26 miles north	57, SE $\frac{1}{4}$ SE $\frac{1}{4}$	H. & T. C. blk. 47	do.	--	--	--	--
f/60	25 $\frac{1}{2}$ miles north	16, NW $\frac{1}{4}$ NW $\frac{1}{4}$	G. & M. blk. M-20	Bivins Estate	--	1934	300	6
f/62	26 $\frac{1}{2}$ miles northeast	44, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	--	--	73	5
f/63	24 $\frac{1}{2}$ miles north	30, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	Frank Jackson	1935	75	6
f/64	23 miles north	17, NW $\frac{1}{4}$	do.	do.	Canadian River Gas Co.	1936	2,720	--
65	22 $\frac{1}{2}$ miles northeast	3, NE $\frac{1}{4}$ SE $\frac{1}{4}$	blk. 22	do.	--	--	175	5
66	21 miles northeast	2, SW $\frac{1}{4}$ NW $\frac{1}{4}$	B. B. & B.	do.	--	--	140	5
68	18 $\frac{1}{2}$ miles northeast	3, SE $\frac{1}{4}$ NE $\frac{1}{4}$	S. K. & K. blk. 1	C. Purvines	Frank Neil	--	470	5 $\frac{1}{2}$
f/69	18 miles northeast	8, NW $\frac{1}{4}$ NW $\frac{1}{4}$	T. P. Cannon	Rock Island Ry.	-- McVade	1927	412	12 $\frac{1}{2}$

## L. C. Smyers, 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>	Altitude <u>d/</u>	Remarks
		Depth below measuring point (ft.)	Date of measurement				
34	--	--	--	C,W	D,S	--	Located in river flat.
35	--	--	--	None	N	--	Oil test. See log.
37	2	68.4	June 28, 1937	C,W	S	3,520	Iron casing. Measured pumping level, 70.7 feet.
38	1	96.2	July 12, 1937	None	N	3,530	Tenant reports formerly supplied water for drilling use.
39	--	Flows	July 15, 1937	None	D	--	
41	--	4.5	July 13, 1937	C,W	D,S,II	--	Known locally as Cedar Spring. Owner reported 1.5 feet drawdown after pumping 12½ gallons a minute for 40 minutes.
43	--	--	--	C,W	D,S	3,540	Strong supply.
44	1	193.4	July 13, 1937	C,W	S	3,680	Iron casing.
46	1.3	83.4	July 12, 1937	C,W	S	3,510	Do.
47	0.2	94.2	do.	C,W	S	3,540	Do.
48	1	28.8	July 15, 1937	C,W	D,S	3,430	30 feet steel casing.
50	--	--	--	C,W	S	3,460	Iron casing.
52	--	Flows	July 15, 1937	None	S	--	Measured flow, 1 gallon in 5-1/3 minutes from 2 openings in "flint," sand
53	1	151.4	July 14, 1937	C,W	S	3,100	Cement curb. <u>rock, and "gyp" rock.</u>
55	1.5	8.6	July 15, 1937	C,W	S	2,940	28 feet iron casing.
57	1	12.9	July 14, 1937	C,W	D	3,000	Weak supply. Measured while pumping.
58	1.5	27.1	do.	C,W	D,S	3,020	Iron casing.
59	--	--	--	C,W	S	--	Located 100 yards north of Canadian River.
60	0.5	256.3	Aug. 12, 1937	C,W	S	--	Iron casing. Weak supply.
62	1.2	57.5	do.	C,W	S	--	70 feet iron casing. Measured while pumping. Strong supply.
63	1.2	29.5	do.	C,W	D,S	--	70 feet iron casing. Strong supply.
64	--	--	--	None	N	3,265	Oil test. See log.
65	--	--	--	C,W	S	--	Strong supply.
66	--	--	Aug. 12, 1937	C,W	S	--	Do.
68	--	365	<u>e/</u>	C,W	D,S	--	400 feet casing. Reported yield, 3 gallons a minute.
69	1	355.5	Aug. 4, 1937	C,S, 20	D,Ind	--	360 feet steel casing. 9½-inch screen at bottom. Reported yield, 35 gallons a minute. Owner reports quicksand in well.

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

No.	Distance from Amarillo	Section	Survey and block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
f/ 70	16 miles northeast	49, NE $\frac{1}{2}$ SW $\frac{1}{4}$	B. S. & F. blk. 1	Mrs. Anna Dutton	Blue Hoagland	1914	445	4
f/ 71	15 $\frac{1}{2}$ miles northeast	50, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Ben Masterson	--	--	319	--
72	14 $\frac{1}{2}$ miles northeast	18, SW $\frac{1}{2}$ SE $\frac{1}{4}$	do.	do.	Horace Jackson	1972	230	4
73	14 miles northeast	18, SW $\frac{1}{4}$ SW $\frac{1}{4}$	S. K. & K. blk. 1	do.	do.	--	90	4
75	17 $\frac{1}{2}$ miles northeast	8, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Bivins Estate	--	--	291	4
76	do.	12, NE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Carrol Purvine	--	--	100	4
f/ 77	16 $\frac{1}{2}$ miles northeast	20, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Bivins Estate	--	--	178	5
78	13 miles northeast	57, NE $\frac{1}{2}$ SW $\frac{1}{4}$	B. S. & F. blk. 1	do.	--	--	Spring	--
79	12 $\frac{1}{2}$ miles northeast	56, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	--	--	54	5
f/ 81	17 miles north	23, SW $\frac{1}{2}$ SE $\frac{1}{4}$	G. & M. blk. 5	do.	--	--	77	6
f/ 82	17 $\frac{1}{2}$ miles north	23, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	--	--	Spring	--
f/ 83	17 miles north	23, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	--	--	55	6
f/ 84	16 miles north	29, SW $\frac{1}{4}$ NE $\frac{1}{2}$	do.	do.	--	--	75	6
f/ 87	do.	40, SE $\frac{1}{4}$	do.	U. S. Gov't.	--	--	Spring	--
88	do.	40, SE $\frac{1}{4}$ SE $\frac{1}{2}$	do.	do.	--	--	20	48
89	17 $\frac{1}{2}$ miles northwest	42, E $\frac{1}{2}$	do.	do.	--	--	57	6
94	22 miles northwest	89, NW $\frac{1}{4}$	do.	Fred Fuqua	Jim Alexander	1930	10	--
97	24 $\frac{1}{2}$ miles northwest	56, NE $\frac{1}{4}$ SW $\frac{1}{2}$	do.	Fuqua Land & Cattle Co.	--	--	46	4
f/100	23 $\frac{1}{2}$ miles northwest	17, NE $\frac{1}{4}$ NE $\frac{1}{4}$	G. & M. blk. M-19	Bush Estate	--	--	--	4
f/102	do.	24, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	C. T. Herring	--	--	--	4
f/105	19 miles northwest	11, SE $\frac{1}{4}$ SE $\frac{1}{4}$	E. L. & R. R. blk. 20-F	Bush Estate	Frank McDonald	1937	129	6
f/110	13 $\frac{1}{2}$ miles northwest	1, NW $\frac{1}{4}$ NW $\frac{1}{4}$	B. S. & F. blk. JAD	do.	--	--	25	4
111	14 $\frac{1}{2}$ miles northwest	7, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	--	--	100	6
113	14 miles northwest	25, SE $\frac{1}{4}$ SE $\frac{1}{4}$	B. S. & F. blk. 6	do.	-- Biggers	1928	56	6
f/114	13 $\frac{1}{2}$ miles northwest	26, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	U. S. Gov't.	C. L. Hedgecoke	1923	125	8
f/115	13 miles northwest	23, SW $\frac{1}{2}$	do.	W. H. Bush	Amarillo Oil Co.	1925	3,495	--
f/116	11 miles northwest	20, SW $\frac{1}{4}$	do.	Miles Bivins	Frank Jackson	1937	150	5-5/8

## L. C. Smyers, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Altitude d/	Remarks
		Depth below measuring point (ft.)	Date of measurement				
70	--	365	e/	C,W	D,S	--	430 feet casing. Estimated yield, 3 gallons a minute.
71	--	--	--	C,W	S	--	Estimated yield, 3 gallons a minute. See log.
72	0.5	222.5	Aug. 10, 1937	C,W	S	--	Iron casing. Estimated yield, 3 gallons a minute.
73	--	--	--	C,W	D,S	--	90 feet casing. Strong supply.
75	0.8	245.7	Aug. 5, 1937	C,W	S	--	Estimated yield, 3 gallons a minute.
76	--	--	--	C,W	S	--	Reported yield, 6 gallons a minute with 3 horsepower pump.
77	1.3	116	Aug. 5, 1937	C,W	S	--	Strong supply.
78	--	Flows	Aug. 11, 1937	None	S	--	Flows from 8 small openings in sand and gravel. Known locally as Box
79	1.3	23.7	do.	C,W	S	3,400	50 feet casing. Measured yield, 5 gallons a minute. Canyon Spring.
81	0.3	50.4	do.	C,W	S	3,020	Strong supply. Located in Bonita Creek valley.
82	--	Flows	--	None	S	--	Reported nearly fails in drought.
83	0.8	40.5	Aug. 11, 1937	C,W	D,S	3,010	50 feet iron casing. Strong supply.
84	--	--	--	C,W	S	--	Iron casing. Located in draw near Canadian River.
87	--	Flows	June 10, 1937	None	S	--	Flows from 2 small openings into reservoir 18 feet deep. Weak supply.
88	1.7	19.6	do.	C,W	D,S	--	Dug well. Rock curb and casing. Temperature 62° F.
89	0.3	35.3	June 14, 1937	C,W	S	3,200	Iron casing. Measured pumping level, 37.5 feet.
94	1.5	8.5	Mar. 26, 1937	B,H	D,S	3,110	Dug well. Strong supply.
97	0	39.9	May 17, 1937	C,W	D,S	3,170	Located near Canadian River.
100	--	--	--	C,W	S	3,420	Strong supply.
102	--	--	--	C,W	S	3,200	Do.
105	3	118.6	May 14, 1937	None	S	3,460	Iron casing.
110	0	24.2	June 14, 1937	None	--	3,560	Tenant reports failed in 1930.
111	0.5	57.4	do.	C,W	S	3,370	Iron casing. Weak supply.
113	1	46.4	June 15, 1937	C,W	D,S	3,360	Iron casing. Tenant reports pumps dry with windmill in 8-9 hours.
114	--	100	e/	C,G,S	--	3,440	125 feet steel casing. Measured yield, 6 gallons a minute.
115	--	--	--	None	H	3,416	See log.
116	--	63	Mar. 22, 1937	C,W	S	3,320	128 feet iron casing. Estimated yield, 4 gallons a minute. Driller reports water in sandy clay at 128 feet.



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

No.	Distance from Amarillo	Section	Survey and block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
f/120	12 miles north	8, SE $\frac{1}{4}$ NW $\frac{1}{4}$	B. S. & F. blk. 6	Fuqua Estate	Frank McDonald	1935	33	4
f/121	do.	8, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	--	1905	61	4
f/122	9 miles north	200, SE $\frac{1}{2}$ SE $\frac{1}{4}$	A. B. & M. blk. 2	Frank Givins	--	--	130	4
f/125	11 miles north	52, SW $\frac{1}{2}$ SE $\frac{1}{4}$	B. S. & F. blk. 1	Bivins Estate	--	--	200	6
f/126	10 miles north	38, NW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	Santa Fe Ry.	--	1931	152	6
127	9 $\frac{1}{2}$ miles north	35, SW $\frac{1}{2}$ NE $\frac{1}{4}$	do.	Bivins Estate	--	1928	30	6
128	9 miles north	34, SW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	do.	Frank Jackson	1935	126	5
129	11 miles northeast	41, SE $\frac{1}{2}$ SW $\frac{1}{2}$	do.	do.	--	--	103	4
130	8 $\frac{1}{2}$ miles northeast	8, SE $\frac{1}{2}$ NW $\frac{1}{2}$	do.	do.	--	--	131	6
f/131	9 $\frac{1}{8}$ miles northeast	6, S7 $\frac{1}{2}$ NW $\frac{1}{4}$	do.	J. S. Saunders	--	1900	215	6
f/132	10 miles northeast	6, SE $\frac{1}{2}$ SE $\frac{1}{2}$	do.	City Improvement Co.	--	1918	238	4
f/133	10 $\frac{1}{8}$ miles northeast	5, SW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	A. Doche	--	1916	260	4
f/134	11 $\frac{1}{8}$ miles northeast	30, NW $\frac{1}{2}$ SE $\frac{1}{4}$	do.	Ben Masterson	--	Old	90	4
f/135	12 miles northeast	29, SE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	do.	--	Old	155	5- 3/8
f/136	13 miles northeast	27, NW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	do.	Frank Jackson	1933	385	5- 3/16
f/137	15 miles northeast	48, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Marcella M. Evans	--	1907	560	6
f/138	14 $\frac{1}{2}$ miles northeast	26, SW $\frac{1}{2}$ NE $\frac{1}{4}$	do.	Price Memorial College	--	1928	390	--
f/139	14 miles northeast	26, NE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	do.	--	--	420	6
f/140	do.	24, NW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	do.	--	--	445	6
f/142	13 $\frac{1}{2}$ miles northeast	1, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. J. Berg	--	1926	360	4
f/143	12 $\frac{1}{2}$ miles northeast	2, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. R. Wrather	--	--	300	4
144	do.	22, SE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	Leo Neusch	--	1911	385	4
f/145	do.	22, SW $\frac{1}{2}$ SE $\frac{1}{4}$	do.	H. L. Neusch	--	--	375	6
147	12 miles northeast	3, SE $\frac{1}{4}$	do.	J. A. Jones	--	1909	336	4
148	9 $\frac{1}{2}$ miles northeast	45, NE $\frac{1}{2}$ SW $\frac{1}{4}$	A. B. & M. blk. 2	Louis Johnson	--	--	235	4
f/149	do.	45, SE $\frac{1}{2}$ SW $\frac{1}{4}$	do.	West Texas Gas Co.	D. L. McDonald	1927	502	10
151	9 miles northeast	46, SW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	H. L. Neusch	--	1900	220	4

## L. C. Smyers, 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>	Altitude <u>d/</u>	Remarks
		Depth below measuring point (ft.)	Date of measurement				
120	1	9.8	June 4, 1937	None	N	3,200	33 feet iron casing.
121	1	40.3	do.	C,W	D,S	3,210	Iron casing. Measured pumping level, 51.4 feet.
123	0.2	83.8	June 8, 1937	None	N	3,410	
125	0.3	95.9	June 9, 1937	C,W	D,S	3,280	Iron casing. Strong supply located near creek.
126	1	118.1	do.	C,W	D,S	3,310	Iron casing.
127	3.2	14.1	July 10, 1937	C,W	S	3,300	26 feet iron casing. Weak supply.
128	1.5	69.2	do.	C,W	D,S	3,400	125 feet iron casing. Strong supply.
129	0	85.9	Aug. 10, 1937	C,W	D,S	3,460	100 feet iron casing. Strong supply.
130	--	--	--	C,W	S	3,420	
131	0.2	204.7	Aug. 3, 1937	C,W	D,S	--	200 feet iron casing. Strong supply.
132	0.5	215	do.	C,W	D,S	--	220 feet iron casing. Strong supply.
133	1	230	Aug. 4, 1937	C,W	D,S	--	260 feet casing. Strong supply.
134	--	--	--	C,W	S	--	90 feet iron casing. Estimated yield, 6 gallons a minute.
135	--	--	--	C,W	S	--	155 feet iron casing. Estimated yield, 6 gallons a minute.
136	--	--	--	C,W	S	--	385 feet steel casing. Owner reports water in white shell rock, 380-385 feet. Estimated yield, 6 gallons a
137	--	--	--	C,W	D,S	--	Weak supply. <u>minute.</u>
138	--	--	--	C,W	D,S	--	
139	--	360	<u>e/</u>	C,G,6	D,S	--	420 feet iron casing. Estimated yield, 5 gallons a minute.
140	--	380	<u>e/</u>	C,W	S	--	Estimated yield, 3 gallons a minute.
142	--	--	--	C,W	D,S	--	Strong supply.
143	--	--	--	C,W	D,S	--	
144	--	345	<u>e/</u>	C,W	D,S	--	375 feet iron casing. Strong supply.
145	--	--	--	C,W	P	--	
147	--	325	<u>e/</u> . June, 1935	C,G, 1½	D,S	--	325 feet steel casing. Measured yield, 3 gallons a minute.
148	0.3	207.4	Aug. 3, 1937	C,W	D,S	--	
149	--	216	<u>e/</u> 1927	--	Ind	--	502 feet steel casing. Weak supply. See log.
151	--	--	--	C,W	D,S	--	215 feet iron casing. Reported yield, 3 gallons a minute.

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

No.	Distance from Amarillo	Section	Survey and block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
152	9 $\frac{1}{2}$ miles northeast	43, SW $\frac{1}{4}$ SW $\frac{1}{4}$	A. B. & M. blk. 2	N. S. McGee	--	--	223	4
153	11 $\frac{1}{2}$ miles northeast	23, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Adolph Bertrand	Bachelor Johnson	1912	330	4
155	12 $\frac{1}{2}$ miles east	3, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	J. A. McDonald	Blue Hoagland	1926	330	4
f/156	12 miles east	4, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	F. C. Klinke	--	1906	315	4
158	do.	4, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Santa Fe Ry. Co.	--	--	300	6
f/159	11 $\frac{1}{2}$ miles east	4, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Frank Raef	Ed Watson	1930	353	4
160	11 miles east	25, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	W. A. Holden	W. A. Holden	1934	299	4 $\frac{1}{2}$
f/161	10 miles east	26, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	J. W. Longstretch	--	--	298	4
f/163	10 $\frac{1}{2}$ miles east	27, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Highland Park School Board	--	1932	250	4
f/164	9 miles east	40, NE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Roy D. Lewis	Ed Watson	1931	250	4
f/165	8 $\frac{1}{2}$ miles east	39, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	--	1920	250	4
f/167	10 miles east	16, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	R. S. Kello	--	--	275	4
f/169	11 $\frac{1}{2}$ miles east	9, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Fred Bone	--	Old	220	4
f/171	do.	9, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	O. A. Blankinship	Joe Conner	1926	217	--
f/172	8 $\frac{1}{2}$ miles east	37, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	A. F. Krabee	--	--	220	4
173	do.	36, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Brady School Dist. No. 6	Frank Jackson	--	227	4
f/175	7 miles east	59, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	A. C. H. Tanner	--	--	232	4
176	4 $\frac{3}{4}$ miles east	91, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Charles Damnier	--	1905	210	6
f/178	4 miles east	107, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	J. W. Willis & H. F. Mitchell	--	--	208	4
f/179	3 miles southeast	122, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	N. B. Sorenson	Bill Goshner	1929	250	5- 5/8
180	2 $\frac{1}{2}$ miles southeast	122, NW $\frac{1}{4}$	do.	E. T. Latta	--	1907	270	6
181	3 miles southeast	122, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Mrs. Pearl A. Kesterson	--	--	240	4
182	2 $\frac{3}{4}$ miles east	123, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	W. B. Benton	--	1905	230	4
f/183	3 $\frac{1}{2}$ miles east	105, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	--	--	--	236	--

## L. J. Smyers, 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>	Altitude <u>d/</u>	Remarks
		Depth below measuring point (ft.)	Date of measurement				
152	0.5	210.6	July 26, 1937	C,W	S	--	Iron casing. Strong supply.
153	0.5	287.5	July 19, 1937	J,V	D,S	--	Do.
155	0.3	270.4	July 26, 1937	C,W	D,S	--	330 feet iron casing. Estimated yield, 8 gallons a minute. Owner reports water from gravel, 315-330 feet.
156	--	--	--	J,W	D,I	--	Iron casing. Irrigates 40 trees.
158	--	--	--	J,W	D	--	Iron casing.
159	--	235	<u>e/</u> Aug. 1930	C,W	D,S	--	353 feet iron casing, perforated, 235-255 feet. Driller reports water from pink sandy clay, 235-253 feet, and quicksand, 347-353 feet. Estimated
160	--	270	<u>e/</u>	J,W	D,S,I	--	284 feet yield, 5 gallons a minute. steel casing. Reported yield, 10 gallons a minute. Owner reports water from shell rock, 284-299 feet. See log.
161	0.5	289.5	June 18, 1937	C,W	D,S	--	Weak supply.
163	--	--	--	J,W	P	--	
164	--	--	--	J,W	D,S	--	Weak supply.
165	--	222	<u>e/</u> Aug. 1930	C,W	D	--	245 feet iron casing. Strong supply.
167	--	250	<u>e/</u>	C,W	D,S	--	20 feet iron casing. Strong supply.
169	1.5	197.7	May 27, 1937	C,W	D,S	--	Strong supply.
171	1.5	186.5	do.	C,W	D,S,I	--	Do.
172	--	--	--	J,W	D,S	--	Do.
173	1.5	210.4	July 8, 1937	J,W	P	--	210 feet iron casing. Strong supply.
175	0.5	214	July 28, 1937	C,W	S	--	
176	--	180	<u>e/</u>	C,W	D,S,I	--	210 feet iron casing. Irrigates small garden. Owner reports water
178	0	207.2	May 28, 1937	None	K	--	from gravel, 180-200 feet.
179	0.1	150	<u>e/</u>	C,W	D	--	Iron casing; 12 feet screen at bottom. Temperature, 53°F.
180	--	--	--	J,W	D,S,I	--	Irrigates small garden. Temperature, 50°F.
181	--	--	--	C,W	D	--	240 feet iron casing.
182	0.3	125.6	July 8, 1937	C,W	D,S	--	230 feet casing. Weak supply. Owner reports well is sanded up.
183	0.5	232	June 23, 1937	C,W	D	--	

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

No.	Distance from Amarillo	Section	Survey and block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
f/185	6½ miles east	61, NW¼SW¼	A. B. & M. blk. 2	H. G. Irwin	Frank Jackson	1934	250	4
f/186	7 miles east	61, NE¼NW¼	do.	Santa Fe Ry.	R. P. Brazil	1927	282	6
187	7½ miles east	50, NW¼NW¼	do.	T. T. Oxnard	Frank Jackson	--	244	6
f/188	do.	49, SW¼SW¼	do.	Santa Fe Ry.	--	--	234	6
f/189	7 miles east	62, NW¼SE¼	do.	L. M. Price	--	--	183	5
f/190	3 miles east	49, NE¼SE¼	do.	R. G. Walls	--	1912	250	4
f/192	do.	48, NE¼SW¼	do.	--	--	--	163	4
193	7½ miles northeast	63, SE¼SE¼	do.	Katie Schwall	--	--	150	--
194	8½ miles northeast	47, NW¼SW¼	do.	John Lange	--	--	300	4
195	8 miles northeast	64, NE¼NW¼	do.	T. W. Stalnaker	Blue Hoagland	--	250	4
196	7½ miles northeast	63, SE¼NW¼	do.	Katherine Schvoll	--	1910	120	--
197	6 miles northeast	70, SW¼SW¼	do.	Rockwell Estate	--	1908	230	4
f/198	do.	70, SW¼NW¼	do.	Ed Mayer	--	1915	250	5
f/200	7½ miles northeast	69, S¼NE¼	do.	John G. Jordan	--	--	201	4
f/201	do.	68, NW¼NW¼	do.	W. J. and A. N. Kilburz	--	--	--	4
202	6½ miles northeast	96, SW¼NE¼	do.	Charles Pavillard	--	--	187	6
f/203	6 miles northeast	96, SW¼SW¼	do.	do.	--	1905	235	4
f/204	4 miles northeast	103, SW¼NW¼	do.	Bush Estate	Joe Connor	1909	260	4
206	5½ miles northeast	101, SE¼SW¼	do.	Dan Pavillard	--	1902	222	4
207	6 miles northeast	100, SW¼SW¼	do.	H. A. Nobles	--	--	152	4
f/208	7 miles northeast	99, NE¼SW¼	do.	Bivins Estate	--	--	145	4
209	6½ miles north	162, NE¼NW¼	do.	R. S. Connellee	Red Biggers	1925	85	4
f/210	7½ miles north	12, NW¼NW¼	B. S. & E. blk. 1	--	--	--	31	4
f/211	do.	196, NE¼NE¼	A. B. & M. blk. 2	R. L. Mobley	--	--	66	4
f/212	7 miles north	195, SW¼SE¼	do.	--	--	--	83	4
213	6½ miles north	194, NW¼NE¼	do.	C. E. Thomas	--	--	111	4
214	do.	219, SW¼SE¼	do.	Euclid Fuqua	--	--	132	6

## L. J. Smyers, Project Superintendent

No.	Height of measuring point above ground (ft.) <u>a/</u>	Water Level		Pump and power	Use of water	Altitude <u>d/</u>	Remarks
		Depth below measuring point (ft.)	Date of measurement				
185	--	--	--	C,W	D	--	225 feet iron casing.
186	--	205	e/ 1927	None	N	--	Drilled as test well. See log.
187	--	--	--	C,E, 7½	P	--	240 feet iron casing. Measured yield, 50 gallons a minute.
188	1	194.7	June 18, 1937	C,W	D	--	Iron casing.
189	1.5	177.4	July 27, 1937	C,W	D,S	--	Iron casing. Weak supply.
190	--	--	--	C,W	D,S	--	100 feet iron casing. Weak supply.
192	0	68	July 27, 1937	None	N	--	Located in sink.
193	--	--	--	C,W	S	--	Do.
194	--	--	--	C,W	D,S	--	
195	--	--	--	C,W	D,S	--	Weak supply.
196	--	--	--	C,W	D,S	--	
197	0.5	183.9	July 27, 1937	C,W	D,S	3,530	225 feet casing. Irrigates small garden. Temperature, 58° F.
198	--	--	--	None	N	3,530	
200	--	--	--	C,W	D,S	--	
201	--	--	--	C,W	S	3,580	
202	1.3	93	Aug. 2, 1937	C,W	S	3,580	Strong supply.
203	1.5	217.2	do.	C,W	D,S	3,640	220 feet iron casing. Weak supply.
204	--	210	e/ 1934	C,W	D,S	3,650	Strong supply.
206	0	211.7	July 29, 1937	C,W	D,S	3,590	
207	1	145.4	do.	C,W	D,S	3,570	Iron casing. Measured while pumping.
208	0	132.5	July 30, 1937	C,W	S	3,650	
209	1	70.5	July 10, 1937	C,W	D,S	3,480	Weak supply.
210	0.7	75.8	do.	None	N	3,430	
211	1	42.1	June 4, 1937	C,W	S	3,410	
212	4	70	do.	None	N	3,510	
213	--	--	--	C,W	D,S	3,490	
214	3	81.2	May 6, 1937	C,W	D,S	3,530	

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

No.	Distance from Amarillo	Section	Survey and block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
f/216	6 miles north	162, SW $\frac{1}{4}$ SW $\frac{1}{4}$	A. B. & M. blk. 2	C. L. Gass	--	--	91	4
218	5 $\frac{1}{2}$ miles northeast	128, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	R. E. Pyeatt	--	1898	194	4
220	4 $\frac{1}{4}$ miles northeast	128, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	V. C. Marrs	Red Biggers	1928	130	4
f/221	4 $\frac{1}{2}$ miles northeast	127, NE $\frac{1}{2}$	do.	Nellie H. Ball	Dempster Co.	--	3,530	--
222	4 $\frac{1}{4}$ miles northeast	127, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	V. C. Marrs	--	--	96	4
223	4 $\frac{1}{2}$ miles northeast	133, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	John Clark	--	--	100	4
224	4 $\frac{1}{4}$ miles north	133, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. F. Clark	--	1907	104	4
f/225	4 miles north	160, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	--	--	--	93	4
226	do.	159, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	W. S. Cobb	Cliff Biggers	1926	79	--
227	3 $\frac{3}{4}$ miles north	166, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	H. L. Cantrell	--	--	53	4
f/228	4 $\frac{1}{4}$ miles north	165, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Mrs. E. T. Hatfield	--	--	44	6
f/229	5 miles north	161, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Mrs. Margaret Prescott	Will Wright	--	128	4
230	5 $\frac{1}{2}$ miles north	164, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	J. D. Reed	--	--	72	4
231	do.	220, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Sam Morris	--	--	Spring	--
232	6 miles northwest	220, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	John Clift	1933	14	48
234	4 $\frac{1}{4}$ miles northwest	222, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Harry Walton	--	--	130	4
235	3 $\frac{3}{4}$ miles northwest	222, SW $\frac{1}{2}$	do.	A. T. Lundegreen	--	1910	140	6
236	3 $\frac{1}{2}$ miles north	166, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	J. R. Wrather	--	--	143	6
237	3 $\frac{1}{4}$ miles north	166, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	T. M. Wheat	T. M. Wheat	1935	59	5
f/238	3 $\frac{1}{2}$ miles north	159, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Mrs. Quincy Ford	Cliff Biggers	--	82	4
f/239	3 miles north	159, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	-- Williamson	--	--	80	4
f/240	do.	do.	do.	L. C. Walters	--	--	85	4
242	3 $\frac{1}{2}$ miles north	159, NE $\frac{1}{2}$ SE $\frac{1}{2}$	do.	F. M. Gentry	Cliff Biggers	1936	123	4
243	3 miles north	159, SE $\frac{1}{2}$ SE $\frac{1}{2}$	do.	G. H. Millican	--	--	148	6
f/244	3 miles northeast	135, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	O. G. Hart	--	--	152	--

## L. C. Snyers, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Altitude d/	Remarks
		Depth below measuring point (ft.)	Date of measurement				
216	0.8	70	June 8, 1937	C, W	D, I	3,480	iron casing. Measured 2.35 feet draw-down after pumping for $\frac{1}{2}$ hour. Temperature, 63° F.
218	0.5	165.5	July 30, 1937	C, W	D, S	3,570	Measured while pumping. Measured yield, 2 gallons a minute.
220	3	119.4	July 29, 1937	C, W	D, S	3,550	125 feet steel casing. Strong supply.
221	--	--	--	None	N	3,650	Oil test. See log.
222	2	80.5	July 29, 1937	C, W	D, S	3,480	Temperature, 58° F.
223	1	81.7	do.	C, W	S	3,530	Measured while pumping.
224	1	81.9	do.	C, W	D, S	3,490	Cement block curb. Measured while pumping.
225	1	52.4	do.	C, W	D, S	3,490	
226	1	69.9	May 20, 1937	C, W	D, S, I	3,520	Owner reports water from sand, 65-78 feet. Irrigates small garden. Temperature, 63° F.
227	0.3	39.8	May 19, 1937	C, .	D	3,490	Measured while pumping.
228	3	35.7	do.	C, W	D, S, I	3,530	
229	0.8	91.8	June 9, 1937	C, W	D, S, I	3,490	40 feet iron casing. Temperature, 62° F. Irrigates small garden.
230	0.5	57.9	June 8, 1937	C, W	D, I	3,510	72 feet iron casing. Temperature 62° F.
231	--	Flows	May 6, 1937	None	S	3,450	Water seeps from bank and bottom of creek. Known locally as Two-tree
232	0	9.8	do.	B, H	D	3,440	Dug well. Tenant reports water from sand and gravel, 10-14 feet. Reported sand rock, 4-6 feet, red clay 6-8 feet, packed sand, 8-10 feet.
234	2	111.8	do.	C, W	D, S	3,550	Located on gently sloping knoll. Temperature, 62° F.
235	0.1	120	e/	C, W	D, S, I	3,580	140 feet iron casing. Owner reports supplies 100 head cattle, run-off irrigates small garden. Temperature 54° F.
236	1.3	120.5	June 4, 1937	C, W	D, S	3,570	Iron casing.
237	2	52.1	May 20, 1937	C, W	D, I	3,540	59 feet iron casing. Temperature 64° F.
238	0.8	70.4	May 19, 1937	C, W	D	3,550	Strong supply.
239	0.2	74.5	do.	C, W	D	3,550	Sand reported, 65-80 feet.
240	1	74	do.	C, W	D	3,540	Owner reports water from sand, 65-80 feet.
242	0.8	104.1	do.	None	N	3,560	123 feet galvanized iron casing. Owner reports sand, 65-80 feet and 110-123 feet.
243	1.5	134.6	May 20, 1937	C, W	D, I	3,560	Iron casing. Temperature, 63° F.
244	0.3	141.7	do.	C, W	D	3,560	



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

No.	Distance from Amarillo	Section	Survey and block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
f/ 245	2 $\frac{1}{2}$ miles northeast	135, SW $\frac{1}{4}$ SW $\frac{1}{4}$	A. B. & M. blk. 2	--- Betser	---	1913	200	4
f/ 246	3 miles east	124, NE $\frac{1}{2}$ NE $\frac{1}{4}$	do.	W. S. Birge	---	---	223	4
247	do.	124, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Mrs. S. Jackson	Frank Jackson	1915	236	4
f/ 248	2 $\frac{1}{3}$ miles northeast	125, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Geo. Johnston	---	---	---	---
f/ 249	2 $\frac{1}{4}$ miles northeast	136, SE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	Finley Martin	---	1911	250	---
f/ 250	In Amarillo	---	---	Santa Fe Ry. Co.	D. L. McDonald	1928	310	20
f/ 251	do.	---	---	do.	do.	1936	314	14
f/ 252	do.	---	---	do.	do.	1928	310	20
f/ 253	2 miles northeast	137, NE $\frac{1}{4}$ NE $\frac{1}{4}$	A. B. & M. blk. 2	do.	---	---	---	---
254	1 $\frac{1}{2}$ miles northeast	136, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	R. Holding	John Goff	1925	240	---
f/ 255	1 $\frac{1}{2}$ miles northeast	157, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	J. W. Broadbus	Joe Conner	1918	215	---
f/ 257	In Amarillo	---	---	Southwestern Pub. Ser. Co.	Gouchnauer & Davis	1919	300	8
f/ 258	do.	---	---	do.	---	1919	303	8
f/ 259	do.	---	---	do.	---	1918	302	8
f/ 260	do.	---	---	do.	Gouchnauer & Davis	1918	309	8
f/ 261	do.	---	---	do.	do.	1918	307	8
f/ 262	do.	---	---	do.	do.	1918	281	8
f/ 263	do.	---	---	do.	do.	1918	297	8
f/ 264	do.	---	---	do.	do.	1918	302	8
f/ 265	do.	---	---	do.	do.	1919	300	8
f/ 266	do.	---	---	do.	do.	1919	296	8
267	1 $\frac{1}{4}$ miles southeast	155, NW $\frac{1}{4}$ SE $\frac{1}{4}$	A. B. & M. blk. 2	W. L. Bagwell	---	---	199	4
f/ 268	1 $\frac{1}{2}$ miles southeast	154, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Wyonna & Lelah Kyte	---	1917	226	---
f/ 269	do.	154, SE $\frac{1}{2}$ NW $\frac{1}{4}$	do.	V. M. Zanchettin	---	---	222	4
270	1 $\frac{1}{2}$ miles south	154, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	John Eoff	---	1909	217	4

## L. C. Snyers, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Altitude d/	Remarks
		Depth below measuring point (ft.)	Date of measurement				
245	0.3	193.8	May 20, 1937	C,W	D,S,I	--	Galvanized iron casing. Irrigates small garden.
246	0.5	213.2	June 23, 1937	None	N	--	Iron casing.
247	0.3	218.7	do.	C,W	D	--	230 feet iron casing. Measured pumping level, 222.1 feet. Owner reports water from honeycomb rock and gravel, 230-236 feet.
248	--	--	--	--	N	--	
249	--	--	--	None	N	--	Tenant reports failed in 1930.
250	--	219.5	e/ 1928	T,E, 50	Ind	--	297 feet steel casing. Measured yield, 250 gallons a minute. Located 400 feet east of Santa Fe railway crossing at
251	--	245	e/	T,E, 25	D,Ind	--	308 feet steel casing. Measured yield, 130 gallons a minute. See log. Grand Street.
252	--	223	e/ 1928	T,E, 50	Ind	--	Measured yield, 250 gallons a minute. See log.
253	--	--	--	C,W	D	--	
254	--	180	e/	T,E, 25	D	--	Reported yield, 5 gallons a minute. Water is bottled and sold. Known locally as Ama-Tone Well.
255	--	--	--	None	--	--	Owner reports failed in 1927.
257	--	--	--	None	N	--	Located at N. 9th and Johnson Street. See log.
258	--	--	--	None	N	--	Located at N. 4th and Arthur Street. See log.
259	--	240	e/ 1918	None	N	--	301 feet iron casing. Located at N. 4th and Grant Street. See log.
260	--	--	--	None	N	--	Located at 5th and N. Buchanan Street. See log.
261	--	227	e/ 1918	None	N	--	303 feet iron casing. Located at 2nd and Polk Street. See log.
262	--	--	--	None	N	--	275 feet iron casing. Located at 4th and Monroe Street. See log.
263	--	--	--	None	N	--	295 feet iron casing. Located at 7th and Adams Street. See log.
264	--	240	e/ 1918	None	N	--	298 feet iron casing. Located at 3rd and Houston Street. See log.
265	--	244	e/ 1919	None	N	--	Located at 507 Arthur Street. See log.
266	--	248	e/ 1919	None	N	--	Located at 506 Arthur Street. See log.
267	0.5	188.6	Aug. 6, 1937	C,W	D,S	--	Measured 0.14 feet drawdown after pumping 3 gallons a minute for 1/3 hour.
268	0	197.9	do.	None	N	--	Owner reports unused since 1932.
269	0	207.7	do.	None	N	--	Owner reports unused since 1922.
270	--	--	--	C,W	D,I	--	Estimated yield, 3 gallons a minute.

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

No.	Distance from Amarillo	Section	Survey and block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
271	1 $\frac{1}{4}$ miles south	154, SW $\frac{1}{4}$ NW $\frac{1}{4}$	A. B. & M. blk. 2	L. H. Albright	--	--	250	4
f/272	In Amarillo	--	--	Southwestern Pub. Ser. Co.	Gouchnauer & Davis	1919	307	8
f/273	do.	--	--	do.	do.	1919	304	8
275	3 $\frac{3}{4}$ miles west	9, NW $\frac{1}{4}$ SW $\frac{1}{4}$	B. S. & F. blk. 9	-- Sapp	--	--	183	4
f/278	5 miles west	42, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	G. Canode	--	--	177	4
279	do	43, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Bush Estate	--	--	167	4
f/280	6 miles west	61, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	--	1907	185	4
f/282	do.	60, NW $\frac{1}{2}$ SE $\frac{1}{4}$	do.	H. T. Neeley	Joe Conner	1915	200	4
f/283	6 $\frac{1}{2}$ miles west	61, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	U. S. Gov't.	D. J. Muncey	1928	255	10
f/284	7 miles west	77, NE $\frac{1}{4}$ SE $\frac{1}{2}$	do.	Potter County	T. O. McDay	1928	200	6
f/285	7 $\frac{1}{2}$ miles west	77, NE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	A. W. Haight	--	--	136	8
286	8 $\frac{1}{2}$ miles west	94, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Bush Estate	--	--	183	4
288	9 miles west	112, NE $\frac{1}{4}$	do.	J. H. Bishop	Marion Hill	1909	177	6
f/290	7 miles west	79, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Girl Scouts	--	--	200	5- 5/8
292	4 $\frac{3}{4}$ miles west	25, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Bush Estate	--	--	Spring	--
f/293	4 miles west	25, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	--	--	156	6
296	3 $\frac{3}{4}$ miles northwest	12, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Jack Hall	--	--	Spring	--
297	4 $\frac{1}{4}$ miles northwest	12, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	--	--	70	4
298	5 miles northwest	22, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Joe Brimer	--	--	60	4
302	9 miles west	91, SW $\frac{1}{4}$	do.	Bush Estate	--	--	Spring	--
f/304	8 $\frac{1}{2}$ miles northwest	90, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	J. R. Wrather	--	--	30	--
f/305	8 miles northwest	81, NE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Bush Estate	--	--	39	--
306	7 $\frac{1}{2}$ miles northwest	81, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	W. H. Bush	--	--	24	5
307	7 miles northwest	56, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	J. E. Bishop	J. E. Bishop	1926	29	6
308	6 $\frac{1}{2}$ miles northwest	47, NW $\frac{1}{4}$	do.	Tom H. Eppers	--	--	60	6
310	6 miles northwest	22, NW $\frac{1}{4}$	do.	Bill Boghart	--	--	18	6

## L. C. Smyers, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Altitude d/	Remarks
		Depth below measuring point (ft.)	Date of measurement				
271	0.5	215.1	Aug. 6, 1937	J,W	D	--	Strong supply.
272	--	245	e/ 1919	None	N	--	304 feet iron casing. Located at 21st and Tyler Street. See log.
273	--	--	--	None	N	--	298 feet iron casing. Located at 16th and Jefferson Street. See log.
275	0.8	163.5	Apr. 30, 1937	J,W	D,S	--	Strong supply.
278	0.5	132.4	do.	J,W	S	--	
279	1	141.8	Apr. 29, 1937	J,W	D,S	--	Weak supply. Temperature 63° F.
280	--	140	e/	J,W	D,S	--	Strong supply.
282	--	180	e/	J,W	D,S	--	Estimated yield, 2½ gallons a minute.
283	0	162.6	Apr. 5, 1937	T,E, 25	Ind	3,740	Measured yield, 260 gallons a minute. See log.
284	--	--	--	C,W	D,S	--	
285	0.3	117.6	Apr. 7, 1937	C,W	D,S	--	
286	--	--	--	C,W	D,S	--	Weak supply.
288	0	161.1	Apr. 2, 1937	J,W	D,S,I	--	Strong supply.
290	--	--	--	C,W	D	--	
292	--	Flows	May 4, 1937	None	S	3,500	Temperature, 60° F.
293	0	106.3	do.	C,W	S	--	
296	--	Flows	do.	None	S	3,460	Supplies 100 head cattle. Temperature, 58° F.
297	0.8	62.8	do.	C,W	D,S	3,540	Located on ridgetop. Strong supply. Temperature, 59° F.
298	0.1	38.7	Mar. 27, 1937	C,W	D,S	3,460	Weak supply.
302	--	Flows	Apr. 2, 1937	None	S	--	Flows from 5 small openings in sand and gravel. Located in ravine. Supplies 100 head cattle.
304	0.3	20.8	May 5, 1937	C,W	S	3,580	
305	0.3	36.4	do.	C,W	S	--	
306	4	23.4	Mar. 26, 1937	C,W	S	3,490	Located in draw. Strong supply.
307	1	28.2	do.	C,W	D,S,I	3,430	27 feet iron casing. Tenant reports water from coarse sand, 2-12 feet. Estimated yield, 4 gallons a minute.
308	--	30	e/	C,W	D,S,I	3,440	Strong supply.
310	0.5	13.4	Mar. 18, 1937	J,W	D,S,I	3,380	18 feet iron casing. Strong supply. Temperature 53° F. Partially supplies water for irrigation.

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

No.	Distance from Amarillo	Section	Survey and block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
f/311	6 miles northwest	21, SW $\frac{1}{4}$	B. S. & F. blk. 9	Frank Davis	-- Foster	--	23	48
314	7 miles northwest	48, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	F. W. & D. Ry. Co.	R. J. Thompson	1934	31	--
f/320	10 miles northwest	84, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Chas. Brinkman	--	--	113	6
f/321	9 miles northwest	83, SW $\frac{1}{4}$	do.	W. H. Bush	Gulf Production Co.	1936	4,000	--
f/322	9 $\frac{1}{2}$ miles northwest	89, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Bush Estate	--	--	125	6
324	11 miles northwest	118, NE $\frac{1}{4}$	do.	Miles G. Bivins	--	--	125	6
326	19 miles west	57, SE $\frac{1}{4}$ SE $\frac{1}{4}$	G. C. & S. F. blk. S	W. H. Gray	--	--	105	4
f/328	15 $\frac{1}{2}$ miles west	4, SE $\frac{1}{4}$	John Gibson blk. Z-6	W. H. Bush	The California Co.	1927	4,335	--
f/330	10 $\frac{1}{2}$ miles northwest	116, SW $\frac{1}{4}$ SW $\frac{1}{4}$	B. S. & F. blk. 9	J. A. McGowan	--	--	68	6
f/331	13 miles west	158, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Mrs. Jess McGowan	--	1910	45	4
f/333	14 miles west	183, S7 $\frac{1}{2}$ NW $\frac{1}{4}$	do.	D. L. McDonald	--	--	Spring	--
334	15 miles west	192, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Wayne McChristian	--	--	Spring	--
f/337	13 miles west	4, NW $\frac{1}{4}$ NE $\frac{1}{4}$	D. & W. blk. 2	C. T. Word	--	--	80	4
f/338	16 miles west	2, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	--	--	200	4
339	14 $\frac{1}{2}$ miles west	195, SW $\frac{1}{4}$ NW $\frac{1}{4}$	B. S. & F. blk. 9	J. A. Bush	W. L. Campbell	1937	55	6
f/340	14 miles west	194, NE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	W. L. Campbell	--	1896	50	5
341	do.	195, NW $\frac{1}{4}$	do.	J. A. Bush	--	--	Spring	--
342	13 $\frac{1}{2}$ miles west	180, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	W. L. Campbell	--	1902	200	4
343	11 $\frac{1}{2}$ miles west	147, NE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	John Blessen	Joe Conner	1928	213	4
346	10 $\frac{1}{2}$ miles west	126, SW $\frac{1}{4}$	do.	W. J. Hill	Chas. Tullos	1905	195	4
f/347	do.	127, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Bush Estate	--	--	200	4
348	10 miles west	128, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Geo. Menke	Jess Muncey	1937	266	10

## L. C. Snyers, 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>	Altitude <u>d/</u>	Remarks
		Depth below measuring point (ft.)	Date of measurement				
311	0.7	27.3	Mar. 18, 1937	C, W	S	3,380	Dug well with brick casing. Weak supply.
314	--	28	<u>e/</u>	C, H	D	3,390	Temperature, 58° F. Tenant reports pumps dry in 15 minutes.
320	0.7	82.1	June 14, 1937	C, W	S	3,400	Iron casing. Located on knoll.
321	--	--	--	None	N	3,415	Oil test. See log.
322	2	124	June 16, 1937	C, W	S	--	Iron casing.
324	1	67.8	June 14, 1937	C, W	S	3,400	Strong supply.
326	--	--	--	C, W	S	3,550	Do.
328	--	--	--	None	N	3,516	Oil test. See log.
330	1	21.8	May 5, 1937	C, W	N	3,500	
331	1.1	37.2	Apr. 8, 1937	C, W	--	--	Weak supply.
333	--	Flows	Apr. 20, 1937	None	D, S	3,560	Piped to barn and ranch house.
334	--	Flows	do.	None	D, S, I	3,720	Estimated flow, 10 gallons a minute from large opening in sand. Known locally as Tacovas Spring. Temperature
337	1.5	50.2	Apr. 28, 1937	None	N	--	63° F.
338	0.5	148.9	do.	C, W	S	--	
339	0.5	37	Apr. 8, 1937	None	S	--	Tenant reports water from soft sandstone, 20-40 feet. Red sandy clay reported, 1-15 feet; gravel, 15-20 feet.
340	1	47.4	do.	C, W	S	--	50 feet iron casing. Estimated yield, 4 gallons a minute. Located on hilltop.
341	--	Flows	do.	None	S	--	Water seeps from 5 small openings in sand of creek bottom.
342	--	180	<u>e/</u>	C, W	D, S	--	200 feet iron casing. Owner reports water from gravel. Estimated yield, 2 gallons a minute. Temperature, 56° F.
343	1	194.8	Apr. 10, 1937	C, W	D, S	--	Estimated yield, 4 gallons a minute.
346	--	150	<u>e/</u>	C, W	D, S, I	--	180 feet iron casing. Supplies 300 head of cattle.
347	1	175.5	Apr. 3, 1937	C, W	D, S	--	Supplies 40 head cattle.
348	1.2	170.4	Apr. 27, 1937	T, E, 40	D, I	--	266 feet iron casing, perforated except against quicksand, 162-181 feet. Estimated yield, 800 gallons a minute. Owner reports water from coarse sand, 220-266 feet. Reported clay, gravel and sand in streaks, 181-266 feet.

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

No.	Distance from Amarillo	Section	Survey and block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
349	10 miles west	129, NE $\frac{1}{4}$ NE $\frac{1}{4}$	B. S. & F. blk. 9	Joe Gray	T. O. Muncey	1928	200	5 $\frac{1}{2}$
f/350	11 miles west	145, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Geo. Menke	--	1924	188	4
f/352	do.	144, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Bush Estate	--	--	200	6
f/353	11 $\frac{1}{2}$ miles west	144, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	H. J. Blessen	--	1911	184	4
354	12 $\frac{1}{2}$ miles west	163, NW $\frac{1}{4}$	do.	Cletus Rea	Leo McDade	1933	205	6
355	do.	162, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	R. I. Ry. Co.	--	1919	200	12 $\frac{1}{2}$
357	13 miles west	179, SE $\frac{1}{4}$	do.	Bush Estate	--	1915	210	6
358	do.	178, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	U. S. Gov't.	--	--	200	4
f/360	15 miles west	5, NE $\frac{1}{4}$ SE $\frac{1}{4}$	B. S. & F. blk. 5Z	E. S. Burgess	--	1922	190	4
361	15 $\frac{1}{2}$ miles west	32, SE $\frac{1}{4}$ NE $\frac{1}{4}$	blk. Z-3	A. C. Scitz	--	--	200	4
f/363	16 $\frac{1}{2}$ miles west	8, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	J. F. Travelstead	--	--	200	4
f/364	17 miles west	8, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	J. L. Nunn	--	1908	220	4
f/365	17 $\frac{1}{2}$ miles west	8, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. F. Travelstead	--	--	200	4
366	18 miles west	12, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. M. Beasley	Joe Conner	1918	200	4
f/367	do.	12, NE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	do.	--	1922	200	4

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

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

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

## L. C. Smyers, 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>	Altitude <u>d/</u>	Remarks
		Depth below measuring point (ft.)	Date of measurement				
349	--	140	<u>e/</u> 1923	C, W	D, S	--	190 feet casing. Owner reports water from gravel, 140-160 feet. Red clay and caliche reported, 10-90 feet; clay, 90-130 feet; hard rock, 130-140 feet.
350	1	173.5	Apr. 3, 1937	C, W	D, S	--	Strong supply.
352	1	140.6	Apr. 28, 1937	--	N	--	
353	1.3	166.5	Apr. 8, 1937	C, W	D, S, I	--	Supplies 40 head of stock; irrigates 90 trees.
354	1.4	185.6	Mar. 30, 1937	C, W	D, S, I	--	200 feet iron casing. Reported yield, 4 gallons a minute. Irrigates small garden. Temperature, 56° F.
355	--	160	<u>e/</u>	C, -	P, Ind	--	200 feet iron casing. Pumped by 15 horsepower oil engine. Reported
357	--	195	<u>e/</u>	C, W	D, S, I	--	200 feet iron casing. Reported yield, 60 gallons a minute.
358	1	195.1	Apr. 17, 1937	C, W	D, S	--	Temperature, 58° F. Reported yield, 3 gallons a minute.
360	0.7	181.1	Apr. 8, 1937	C, W	D, S	--	Estimated yield, 4 gallons a minute. Tenant reports water from quicksand,
361	0.3	175	Apr. 21, 1937	C, W	D, S	--	Temperature, 59° F. 160-200 feet.
363	2.3	185.9	Apr. 19, 1937	C, W	S	--	
364	--	--	--	C, W	D, S	--	Strong supply.
365	0.3	191.4	Apr. 21, 1937	C, W	N	--	
366	0.5	191.5	Apr. 27, 1937	C, W	D, S	--	Strong supply.
367	--	--	--	C, W	D, S	--	200 feet iron casing. Reported yield, 2 gallons a minute.

d/ Altitude estimated from topographic sheet or reported from drillers logs.

e/ Water level reported.

f/ No water sample collected for analysis.



## Representative earthen tanks in Potter County, Texas

No.	Distance from Amarillo	Section	Survey and block	Owner	Topographic situation of tank	Catchment area	
						Estimated area (acres)	Topographic situation
401	19 miles northwest	11, NE $\frac{1}{4}$	E.L. & R.R. blk. 20-F	Bush Estate	In draw	150	Draw
b/402	18 miles northwest	51, SW $\frac{1}{4}$	G. & M. blk. 5	Fred Fuqua	do.	2,560	Eastward slope
403	14 miles northwest	28, NW $\frac{1}{4}$	E.L. & R.R. blk. 21-W	U. S. Gov't	In ravine	3,200	Slope
b/404	12 $\frac{1}{2}$ miles northwest	28, SW $\frac{1}{4}$	B.S. & F. blk. 6	Miles Bivins	Washes & gullies	640	Ravine
b/405	10 $\frac{1}{2}$ miles northwest	20, SW $\frac{1}{4}$	do.	do.	In draw	640	do.
406	11 $\frac{1}{2}$ miles north	8, SW $\frac{1}{4}$	do.	Fuqua Estate	Rolling	3,200	Hilly
b/407	13 miles northeast	44, SE $\frac{1}{4}$	B.S. & F. blk. 1	Ben Masterson	In draw	700	Gently rolling
408	10 miles east	14, SW $\frac{1}{4}$	A.B. & M. blk. 2	H. R. Lytle	Flat	5	Gentle slope
b/409	7 $\frac{1}{2}$ miles east	53, SW $\frac{1}{4}$	do.	H. D. Chandler	do.	1,920	do.
410	6 miles north	220, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Sam Morris	--	--	Rolling

a/ S, stock.

## L. C. Snyers, Project Superintendent

No.	Dam			Use a/	Remarks
	Length (feet)	Height (feet)	Material		
401	130	25	Earth	S	Sandrock outcrops on sides; red clay bottom. Water turbid. Vegetation: mesquite, cactus, and bear grass.
402	300	12	do.	S	Limestone bottom and sides. Vegetation: mesquite, cactus, and grass.
403	100	15	Earth & rock	S	Earth bottom and sides. Water clear. Reported failed during dry season. Vegetation: mesquite and bear
404	200	15	Earth	S	Earth bottom and sides. Water turbid. <span style="border: 1px solid black; padding: 0 5px;"> </span> grass. Reported fails during dry season.
405	200	15	Earth & rock	S	Earth bottom and sides. One well, 150 feet deep, supplies tank.
406	--	--	--	S	Sandstone and red shale bottom and sides. Water clear. Vegetation: mesquite, grass, and bear grass.
407	50	8	Earth	S	Caliche and clay bottom and sides. Vegetation: grass.
408	--	--	--	S	Earth excavation. Reported weak supply. Vegetation: grass.
409	--	--	--	S	Do.
410	--	--	--	S	Natural pool fed by underground spring. Water clear. Vegetation: willow, cottonwood, and bear grass.

b/ No water sample collected for analysis.

Table of Drillers' Logs, Potter County, Texas

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 20</u>		
Producers & Refiners Corp., Lee Bivins well A-2. 28½ miles north of Amarillo.		
Gray gravel-	20	20
Gray lime-	15	35
Red rock-	40	75
Gypsum-	30	105
Dry sand-	25	130
White gumbo-	45	175
Water sand and white gravel-	20	195
Sand and white rock-	10	205
Yellow clay-	25	230
White sand-	25	255
White gumbo-	20	275
Sand and gravel-	18	293
Red clay-	10	303
Rock, gypsum and red sand-	5	308
Red shale-	32	340
Red sand-	40	380
Red shale-	10	390
Variegated shale	50	420
Red shale-	180	600
Red sand-	45	645
Shale, gypsum, and red shells	25	670
Gypsum-	120	790
Lime-	5	795
Red rock-	5	800
Gypsum-	125	925
Brown shale-	15	940
Lime and sand-	10	950
Red rock-	5	955
White gypsum-	25	980
Blue shale-	10	990
Red sand-	20	1010
Gray sandy lime-	10	1020
Red sand-	10	1030
Gypsum-	6	1036
Red rock-	89	1125
Quicksand-	35	1160
Red rock-	65	1225
Salt-	5	1230
Gypsum-	10	1240
<b>TOTAL DEPTH</b>		<b>2575</b>

<u>Driller's log of well 27</u>		
White Oil Corporation, R. B. Masterson well No. 1. 20½ miles north of Amarillo.		
Surface materials-	13	13
Water sand-	9	22
Dry sand-	38	60
Sand rock-	5	65
Quicksand-	18	83
Sand and gravel-	57	140
Shale-	15	155
Rock-	2	157

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 27--Continued</u>		
Sand-	48	205
Porous sand rock-	105	310
Red rock breakers	70	380
Water sand-	20	400
"Red beds"	25	425
Gypsum-	5	430
Light-colored shale	5	435
Blue shale-	5	440
Brown shale-	25	465
Hard rock-	15	480
Gray rock-	10	490
White gypsum-	50	540
"Red beds"	5	545
White gypsum-	20	565
Red rock-	10	575
White gypsum-	10	585
Brown shale-	25	610
Light-colored gypsum	20	630
Gray shale-	15	645
Light-colored gypsum-	40	685
Brown shale-	15	700
Salt water-	30	730
Shale-	20	750
Sand and water heaving-	35	785
Blue shale-	10	795
Red rock?-	545	1340
Brown shale-	30	1370
White gypsum	10	1380
White sand-	25	1405
Brown sand-	6	1411
Gray lime shell	6	1417
Gray lime-	13	1430
Brown shale-	5	1435
Water sand-	5	1440
Gray lime-	10	1450
Water sand-	5	1455
White lime-	5	1460
Blue shale-	10	1470
Gray gypsum-	5	1475
Red rock-	5	1480
White salt rock-	30	1510
Red shale-	5	1515
<b>TOTAL DEPTH-</b>		<b>4200</b>

<u>Driller's log of well 35</u>		
Ranch Creek Oil and Gas Co., R. B. Masterson farm. 22 miles north of Amarillo.		
Surface materials-	2	2
Dolomite-	27	29
Red sand rock-	81	110
Dry sand-	10	120
Red rock-	20	140
Water sand-	5	145

(Continued on next page)

Table of Drillers' Logs, Potter County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 35--Continued</u>		
Red rock-	35	180
Water sand-	25	205
Red rock-	55	260
Water sand-	20	280
Quicksand and red rock-	60	340
Water sand-	10	350
Red rock-	30	380
Water sand-	20	400
"Red rock"-	25	425
Gypsum-	5	430
Light-colored shale	5	435
Blue shale-	5	440
Brown shale-	25	465
Hard blue rock-	15	480
Gray rock-	10	490
White gypsum-	50	540
"Red bed"-	5	545
White gypsum-	20	565
Red rock-	10	575
White gypsum-	10	585
Brown shale-	25	610
Light-colored gypsum-	20	630
Gray shale-	15	645
Light-colored gypsum-	40	685
Brown shale-	15	700
Salt water-	30	730
TOTAL DEPTH-		2343

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 64</u>		
Canadian River Gas Co., Bivins Estate "A" 23 miles north of Amarillo.		
Surface materials-	12	12
Sand-	178	190
Red rock-	10	200
Gypsum-	15	215
Red rock-	215	430
Water sand-	10	440
Red rock-	95	535
Red sand-	10	545
Red shale-	5	550
Gypsum-	8	558
Red rock-	3	561
Gypsum-	34	595
Red rock-	3	598
Gypsum-	112	710
Red rock-	15	725
Gypsum-	60	785
Blue shale-	40	825
Hard sand, water-	10	835
Sand-	30	865
Shale-	10	875
Sand-	25	900
Red rock-	5	905
Gypsum-	3	908
Red rock-	47	955

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 64--Continued</u>		
Heaving sand-	25	980
Sand-	20	1000
Red rock-	115	1115
Sand-	20	1135
Red rock-	15	1150
Sand-	25	1175
Red rock-	10	1185
Red rock and salt-	50	1235
Red rock-	28	1263
Gypsum-	2	1265
Red rock-	55	1320
Red sand-	25	1345
TOTAL DEPTH-		2720

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 71</u>		
Ben Masterson farm. 15 $\frac{1}{2}$ miles northeast of Amarillo.		
Surface materials-	5	5
Loose sand-	116	121
Seep water-	3	124
Rock-	2	126
Loose sand-	14	140
Coarse sand and gravel-	12	152
Hard rock-	1	153
Chalk-	5	158
Yellow clay-	66	224
Fine loose red sand-	5	229
Yellow clay-	69	298
Rock-	2	300
Gravel, water-	2	302
Gravel and coarse sand, water	17	319
CASING RECORD: 305 feet 4 $\frac{1}{2}$ -inch casing. 300 feet 2 $\frac{1}{2}$ -inch tubing.		
TOTAL DEPTH-		?

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 115</u>		
Amarillo Oil Co., W. E. Bush well No. 1. 13 miles northwest of Amarillo.		
Surface materials-	15	15
Red clay-	55	70
Gypsum and shell-	2	72
Dry sand-	8	80
Gypsum-	8	88
Blue shale-	7	95
Red sand-	20	115
Red sand and shells-	60	175
Red rock-	30	205
Shell-	5	210
Red rock-	105	315
Red mud-	50	365
Hard light-colored shell-	10	375
Red sandy shale-	85	460
Hard light-colored shale-	5	465
Quicksand-	40	505
Red sand-	35	540

(Continued on next page)

Table of Drillers' Log, Potter County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 115--Continued</u>		
Hard light-colored shale-	8	538
Yellow sand-	7	555
Red sand-	5	560
Yellow sand-	65	625
Green sand-	15	640
Hard lime and gypsum-	80	720
Red salt-	5	725
Lime-	5	730
Gypsum-	12	742
Salt-	63	805
White lime-	25	830
TOTAL DEPTH-		3495

Driller's log of well 149  
West Texas Gas Co., well No.1. 9 $\frac{1}{2}$  miles  
northeast of Amarillo.

Surface materials-	6	6
Yellow gummy clay-	44	50
Shell rock-	2	52
Chalky clay-	28	80
Gummy clay and shell-	50	130
Sandy clay-	55	185
Cap rock, soft and light-	15	200
Cap rock and sand rock-	10	210
Red clay and sand-	20	230
Yellow clay-	24	254
Red clay-	16	270
Red and gray sandstone with thin clay streaks-	20	290
Soft fine white sandstone -	20	310
Yellow clay-	16	326
Soft red and blue granular shale-	14	340
Red clay-	58	398
Soft dull red shale with blue streaks-	22	420
Bright red clay-	82	502
TOTAL DEPTH-		502

Driller's log of well 160  
W. A. Holden farm, 11 miles east of  
Amarillo.

Surface materials-	6	6
Caliche, sand and gravel-	113	119
Coarse gravel and sand-	137	256
Brownish-red clay-	28	284
Porous shell rock, water-	15	299
TOTAL DEPTH-		299

Driller's log of well 186  
Santa Fe R.R. Co. 7 miles east of Amarillo.

Light-red clay-	26	26
White clay-	11	37
Reddish clay-	30	67
White rock and red clay -	4	71

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 186--Continued</u>		
Reddish clay-	23	94
White rock and clay-	3	97
Reddish clay-	7	104
Yellow clay and gravel-	19	123
Light-red clay-	9	132
Dark-red clay-	30	162
Light-red clay-	34	196
Sand rock-	5	201
Dark-red clay-	8	209
Red clay with streaks of blue clay-	14	223
Red clay with streaks of blue clay and fine gravel	21	244
Red clay-	38	282
TOTAL DEPTH-		282

Driller's log of well 221  
Dempster Co., Seven States Oil Co., Well  
No. 1. 4 $\frac{1}{2}$  miles northeast of Amarillo.

Surface materials-	15	15
Red sand-	25	40
Blue slate-	25	65
Red rock-	40	105
Lime-	10	115
Red rock-	30	145
Gypsum-	5	150
Red rock-	40	190
Lime-	15	205
Red rock-	15	220
Red sandstone -	5	225
Red rock-	105	330
Blue shale-	5	335
Gypsum-	15	350
Red rock-	60	410
Lime-	5	415
Red rock-	75	490
Red sandstone, water-	10	500
Lime-	5	505
Red rock-	15	520
Gypsum-	35	555
Red rock-	15	570
Gypsum-	15	585
Red rock-	35	620
Gypsum-	60	680
Red rock-	55	735
Red sandstone, water-	10	745
Gypsum-	5	750
Gravel-	10	760
Red rock-	80	840
Red sandstone, water-	20	860
Gypsum-	10	870
Red sandstone, water-	25	895
Red rock-	55	950
Sand-	5	955
Red rock-	35	990
Brown sand-	40	1030

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Table of Drillers' Logs, Potter County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 221--Continued</u>		
Rock salt- - - - -	15	1045
Brown sand- - - - -	55	1100
Rock salt- - - - -	10	1110
White lime- - - - -	50	1160
Rock salt- - - - -	15	1175
White lime- - - - -	35	1210
Rock salt- - - - -	30	1240
Blue sandy lime- - - - -	10	1250
TOTAL DEPTH- - - - -		3530

<u>Driller's log of well 250</u>		
Santa Fe R.R. Co., well No. 22. East side R.R. crossing at Grand St., Amarillo.		
Surface materials- - - - -	2	2
White clay- - - - -	58	60
Light-red clay- - - - -	21	81
Reddish sandy clay- - - - -	40	121
White sandy clay- - - - -	30	151
Red clay- - - - -	7	158
Red sandy clay- - - - -	82	240
Soft caving sand and coarse sand pebbles- - - - -	2	242
Red cemented honey-comb sand	5	247
Clay- - - - -	1	248
Cemented red sand- - - - -	3	251
Clay- - - - -	1	252
Cemented sand- - - - -	4	256
Soft caving sand- - - - -	8	264
Clay and sand- - - - -	3	267
Soft sand, water- - - - -	4	271
Sandy clay- - - - -	5	276
Fine red cemented sand, water	5	281
Soft brown sand, water- - - -	13	294
Fine sand and gravel- - - - -	3	297
Red clay- - - - -	13	310
TOTAL DEPTH- - - - -		310

<u>Driller's log of well 251</u>		
Santa Fe R.R. Co. well No. 23. $2\frac{1}{4}$ miles east of courthouse. In Amarillo.		
Surface materials- - - - -	4	4
Yellow clay- - - - -	66	70
Fine yellow sand- - - - -	14	84
Yellow sandy clay- - - - -	38	122
Soft yellow sandstone with particles of lime- - - - -	16	138
Yellow sandy clay- - - - -	6	144
Soft rock- - - - -	2	146
Hard sand, honey combed, ce- mented with lime- - - - -	26	172
Soft rock- - - - -	6	178
Fine sand and lime- - - - -	56	234
Fine sand- - - - -	7	241
Sand and lime- - - - -	27	268
Fine sand, water - - - - -	17	285

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 251--Continued</u>		
Sand and lime- - - - -	14	299
Sand- - - - -	3	302
Hard red and yellow clay- - -	12	314
TOTAL DEPTH- - - - -		314

<u>Driller's log of well 252</u>		
Santa Fe R.R. Co. well No. 21. West of Grand St., R.R. crossing, Amarillo. Dark-colored sandy surface		
materials- - - - -	2	2
White clay- - - - -	58	60
Light-red clay- - - - -	21	81
Reddish sandy clay- - - - -	40	121
White sandy clay- - - - -	30	151
Red clay- - - - -	7	158
Hard white rock and streaks of clay- - - - -	17	175
Red sandy clay with streaks of white clay- - - - -	45	220
Reddish sandy clay- - - - -	23	243
Red sand, water- - - - -	6	249
White honey comb rock- - - - -	5	254
Soft honey-comb sand rock and loose white rock, water	16	270
Soft red sand with clay streaks- - - - -	11	281
Fine sand, water- - - - -	11	292
Sand and gravel, water- - - -	8	300
Clay- - - - -	10	310
TOTAL DEPTH- - - - -		310

<u>Driller's log of well 257</u>		
Southwestern Public Service Co. North 9th and Johnson Sts., Amarillo.		
Surface materials- - - - -	6	6
Red clay- - - - -	75	81
Dry brown sand- - - - -	49	130
Boulders- - - - -	5	135
Brown clay- - - - -	2	137
Gray sandy shale- - - - -	18	155
Lime cap rock- - - - -	5	160
Gray shale- - - - -	20	180
Brown sand- - - - -	30	210
Fine red sand- - - - -	20	230
Red sandy clay- - - - -	15	245
Brown sand- - - - -	25	270
Brown sand and gravel- - - - -	15	285
Brown sandy clay- - - - -	11	296
Red clay- - - - -	4	300
TOTAL DEPTH- - - - -		300

Table of Drillers' Logs, Potter County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 258</u>		
Southwestern Public Service Co., North 4th and Arthur Sts., Amarillo.		
Surface materials- - - - -	5	5
Chalky clay- - - - -	20	25
Brown clay- - - - -	75	100
Red clay- - - - -	80	180
Brown packed sand or rock- -	65	245
Porous sand rock and brown sand- - - - -	6	251
Red shale- - - - -	9	260
Brown sand- - - - -	28	288
White sand- - - - -	2	290
Coarse yellow sand- - - - -	3	293
Mottled gravel, water- - - - -	8	301
Red clay- - - - -	2	303
TOTAL DEPTH- - - - -		303

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 259</u>		
Southwestern Public Service Co. North 4th and Grant Sts., Amarillo.		
Surface materials- - - - -	5	5
Chalky clay- - - - -	55	60
Brown sandy clay- - - - -	20	80
Coarse yellow sand- - - - -	30	110
Tough brown clay- - - - -	25	135
Brown sand- - - - -	38	173
"Hard pan" and lime- - - - -	7	180
Brown sand and shale - - - - -	20	200
Brown packed sand- - - - -	45	245
Yellowish shale and sand- - -	20	265
Yellowish sand and gravel- - -	22	287
Hard brown sand rock- - - - -	15	302
TOTAL DEPTH- - - - -		302

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 260</u>		
Southwestern Public Service Co. 5th and north Buchanan Sts., Amarillo.		
Surface materials- - - - -	4	4
Mottled clay- - - - -	245	249
Fine brown sand with red clay streaks- - - - -	16	265
Brown water sand- - - - -	25	290
Brown and white sand- - - - -	15	305
Sand and gravel- - - - -	1	306
Yellow clay- - - - -	2	308
Red clay- - - - -	1	309
TOTAL DEPTH- - - - -		309

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 261</u>		
Southwestern Public Service Co. 2nd and Polk Sts. Amarillo.		
Surface materials- - - - -	5	5
Brown clay- - - - -	140	145
Brown sandy clay- - - - -	100	245
Red shale- - - - -	5	250

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 261--Continued</u>		
Brown sandy shale- - - - -	10	260
Red shale with brown and white sand streaks- - - - -	30	290
Yellow clay, gravel and fine red sand- - - - -	10	300
Red clay- - - - -	7	307
TOTAL DEPTH- - - - -		307

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 262</u>		
Southwestern Public Service Co. 4th and Monroe Sts., Amarillo.		
Surface materials- - - - -	2	2
Light-brown clay- - - - -	45	47
Brown packed sand- - - - -	28	75
Yellowish sticky clay- - - - -	15	90
Brown packed sand- - - - -	95	185
Boulders- - - - -	5	190
Brown sand- - - - -	15	205
Red sandy clay, seep water -	25	230
Loose brown sand, water- - -	19	249
Gravel- - - - -	1	250
Red clay with streaks of fine sand- - - - -	14	264
Tough red clay- - - - -	17	281
TOTAL DEPTH- - - - -		281

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 263</u>		
Southwestern Public Service Co. 7th and Adams Sts., Amarillo.		
Surface materials- - - - -	6	6
Chalky clay- - - - -	60	66
Packed sand- - - - -	44	110
Boulders- - - - -	10	120
Loose dry yellow sand- - - - -	20	140
Brown clay- - - - -	20	160
Brown sand and red clay- - -	30	190
Brown, gray, and red clay, water- - - - -	30	220
Brown sand, clay and gravel	15	235
Yellow clay with streaks of hard rock- - - - -	48	283
Soft red clay- - - - -	14	297
TOTAL DEPTH- - - - -		297

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 264</u>		
Southwestern Public Service Co. 3rd and Houston Sts. Amarillo.		
Surface materials- - - - -	9	9
Chalky clay- - - - -	20	29
Tough brown clay- - - - -	31	60
Brown sandy clay- - - - -	60	120
Sandy chalk clay- - - - -	30	150
Brown packed sand- - - - -	25	175
Boulders- - - - -	7	182
Brownish shale rock- - - - -	20	202

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Table of Drillers' Logs, Potter County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 264--Continued</u>		
Brown packed red sand and "hard pan" - - - - -	30	285
Red packed sand - - - - -	12	297
Red clay - - - - -	5	302
TOTAL DEPTH - - - - -		302

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 265</u>		
Southwestern Public Service Co. 507 Arthur St., Amarillo.		
Red gumbo - - - - -	30	30
Yellow gumbo - - - - -	70	100
Hard sand - - - - -	50	150
Soapstone - - - - -	85	235
Rock - - - - -	10	245
Sand - - - - -	10	255
Yellow clay - - - - -	8	263
Sand - - - - -	6	269
Clay - - - - -	25	294
Sand - - - - -	3	297
Clay - - - - -	3	300
TOTAL DEPTH - - - - -		300

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 266</u>		
Southwestern Public Service Co. 506 Arthur St., Amarillo.		
Gumbo - - - - -	30	30
Yellow clay - - - - -	60	90
Hard sand - - - - -	27	117
Clay - - - - -	2	119
Hard sand - - - - -	41	160
Soapstone - - - - -	40	200
Yellow clay - - - - -	30	230
Sand - - - - -	20	250
Clay - - - - -	12	262
Sand - - - - -	34	296
TOTAL DEPTH - - - - -		296

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 272</u>		
Southwestern Public Service Co. 21st. and Tyler Sts., Amarillo.		
Surface materials - - - - -	5	5
Brown clay - - - - -	145	150
Boulders - - - - -	6	156
Brown sandy materials - - - - -	79	235
Coarse gravel - - - - -	2	237
Hard bluish rock - - - - -	4	241
Lime - - - - -	20	261
Brown sand rock - - - - -	11	272
Red shale and streaks of sand - - - - -	3	275
Brown sand rock - - - - -	19	294
Red clay - - - - -	13	307
TOTAL DEPTH - - - - -		307

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 273</u>		
Southwestern Public Service Co. 16th. and Jefferson Sts., Amarillo.		
Surface materials - - - - -	3	3
Brown clay - - - - -	135	138
Boulders - - - - -	8	146
Packed sand - - - - -	67	213
Brown water sand - - - - -	25	238
Coarse sand and gravel - - - - -	2	240
Sand rock with streaks of limestone - - - - -	48	288
Gray shale - - - - -	1	289
Red shale - - - - -	2	291
Gray clay - - - - -	1	292
White sand rock - - - - -	5	297
Yellow shale - - - - -	5	302
Red clay - - - - -	2	304
TOTAL DEPTH - - - - -		304

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 283</u>		
U. S. Government Helium Plant well No.1. 6 1/2 miles west of Amarillo.		
No record - - - - -	160	160
Quicksand - - - - -	5	165
Porous rock - - - - -	37	202
Hard sandy clay - - - - -	12	214
Quicksand and gravel - - - - -	12	226
Limestone - - - - -	4	230
Gravel, sand and fine sand - - - - -	20	250
Rock - - - - -	3	253
Fine yellow sand - - - - -	2	255
TOTAL DEPTH - - - - -		255
CASING RECORD: 255 feet 10-inch steel casing with perforations, 174-176 feet, 198-200 feet, 214-218 feet, 230-234 feet and 251-253 feet.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 321</u>		
Gulf Production Co., W. H. Bush farm. 9 miles northwest of Amarillo.		
Surface materials - - - - -	15	15
Gypsum and red rock - - - - -	10	25
Red rock and gypsum shells - - - - -	40	65
Red rock - - - - -	10	75
Yellow clay - - - - -	20	95
Red rock - - - - -	5	100
Red rock and gypsum shells - - - - -	30	130
Red rock - - - - -	10	140
Yellow clay - - - - -	40	180
White muddy slate - - - - -	5	185
Gypsum - - - - -	5	190
"White sand - - - - -	10	200
Sand - - - - -	10	210
Red rock - - - - -	38	248

(Continued on next page)



Table of Drillers' Logs, Potter County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 321--Continued</u>		
Water sand, 100 feet of water in hole- - - - -	19	267
Red rock- - - - -	3	270
Red gypsum- - - - -	20	290
Gypsum and red rock- - - - -	10	300
Red rock- - - - -	40	340
Gypsum- - - - -	5	345
"Red bed"- - - - -	5	350
Lime- - - - -	15	365
Lime and gypsum- - - - -	10	375
"Red bed"- - - - -	5	380
Red rock- - - - -	10	390
Gypsum and red rock- - - - -	10	400
Gypsum- - - - -	35	435
Red rock- - - - -	5	440
Red sand and mud- - - - -	75	515
Water sand- - - - -	15	530
Red sand, hole full of water	15	545
Red rock- - - - -	10	555
Gypsum- - - - -	10	565
Red sand, hole half full of water at 590'- - - - -	35	600
Red mud- - - - -	6	606
Red rock- - - - -	7	613
Red sand- - - - -	19	632
Quicksand- - - - -	23	655
"Red bed"- - - - -	10	665
Gypsum- - - - -	3	668
Red sand- - - - -	7	675
Quicksand- - - - -	50	725
Brown shale- - - - -	25	750
Brown gypsum- - - - -	10	760
Gypsum- - - - -	10	770
Salt- - - - -	25	795
Brown gypsum- - - - -	15	810
Gypsum- - - - -	30	840
Salt- - - - -	5	845
White gypsum- - - - -	20	865
Brown gypsum- - - - -	50	915
Gypsum- - - - -	65	980
Salt- - - - -	40	1020
White gypsum- - - - -	50	1070
Gypsum- - - - -	60	1130
Salt- - - - -	80	1310
Gray lime- - - - -	35	1345
TOTAL DEPTH- - - - -		4000

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 328</u>		
The California Company, V. H. Bush farm. 15 <sup>1</sup> / <sub>2</sub> miles west of Amarillo.		
Red shale and white sand- - -	33	33
Red and blue shale- - - - -	43	76
Blue sandy shale- - - - -	10	86
Gray water sand- - - - -	6	92
Gray limy sand- - - - -	9	101
Red shale- - - - -	79	180
Yellow shale- - - - -	18	198
Red shale- - - - -	59	257
Yellow shale- - - - -	14	271
Red shale- - - - -	29	300
Red and white sand- - - - -	10	310
Yellow shale- - - - -	5	315
Red shale- - - - -	5	320
Red and white sand- - - - -	3	323
Red shale- - - - -	150	473
Gypsum- - - - -	2	475
Red shale- - - - -	6	481
Gypsum- - - - -	6	487
White lime- - - - -	5	492
Red shale with streaks of gypsum- - - - -	108	600
Red shale- - - - -	64	664
Red sand, 10 barrels of fresh water per hour- - - - -	8	672
Red shale- - - - -	25	697
Soft red sand- - - - -	11	708
Red shale- - - - -	17	725
Red sand, 30 barrels of fresh water per hour- - - - -	5	730
Red shale- - - - -	46	776
Gypsum shell, water- - - - -	5	781
Red shale- - - - -	80	861
Red sand- - - - -	4	865
Red shale- - - - -	12	877
Gypsum and salt- - - - -	5	882
Gypsum- - - - -	37	919
Red shale- - - - -	11	930
Red shale and salt- - - - -	80	1010
Red shale, salt and gypsum- -	135	1145
TOTAL DEPTH- - - - -		4335

Logs of test wells drilled by W. P. A. labor in Potter County, Texas  
Samples examined and classified by L. C. Smyth,  
Project Superintendent.

	Thickness (feet)	Depth (feet)
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Well 1

Box Canyon, south side county road near northeast corner sec. 33, blk. B-11, E. L. & R.R. Ry. Co. survey, 31 miles northwest of Amarillo.

Fine-grained brown sand and clay - - - - -	3	3
Fine-grained red sand and clay - - - - -	6	9
Brown sandy clay - - - - -	4	13
Yellow sandy clay - - - - -	2	15
Yellow sandy clay and yellow shale - - - - -	6	21

Struck water at 15 feet.  
Water level, 12.1 feet below top of ground, 18 hours after hole completed.  
Water sample collected. June 25, 1937.

Well 6

Rolling land, north side county road near northwest corner sec. 96, blk. 47, H. & T. C. R.R. Co. survey, 23 miles northwest of Amarillo.

Fine-grained brown sand - - -	5	5
Red shale stratified with blue shale and little sand -	14	19
Red sandy clay and red shale with thin strata of gravel -	21	40

No water sample collected. June 29, 1937.

Well 10

In draw, east side county road near southeast corner sec. 48, blk. 2, G. & M. survey, 23 1/2 miles northwest of Amarillo.

Fine brown silt - - - - -	7	7
Brown sand and coarse gravel -	7	14
Fine light-brown sand - - - -	18	32
Fine-grained light-brown sand and thin seams of sand rock - - - - -	15	47

Caving at 47 feet.  
No water sample collected. June 29, 1937.

Well 16

In draw, east side county road, SE 1/4 NW 1/4 sec. 21, blk. O-18, D. & P. R.R. Co. survey, 26 1/2 miles northwest of Amarillo.

Dark-brown sandy surface materials - - - - -	7	7
Brown sand and gravel with little clay - - - - -	13	20
Fine-grained brown sand and gravel - - - - -	5	25
Red shale - - - - -	1	26

	Thickness (feet)	Depth (feet)
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Well 16 continued

Caving at 26 feet.  
No water sample collected. June 25, 1937.

Well 19

Creek bottoms, north side county road, SW 1/4 NE 1/4 sec. 40, blk. O-18, D. & P. R.R. Co. survey, 30 miles northwest of Amarillo.

Red sandy surface materials - - - - -	2	2
Red sandy clay and gravel -	6	8
Red sandy clay and fine gravel - - - - -	3	11

Struck water at 9 feet.  
Caving at 11 feet.  
Water level, 8.2 feet below top of ground, 3 hours after hole completed.  
Water sample collected. June 25, 1937.

Well 21

Gently rolling, east side State Highway 33, SW 1/4 SW 1/4 sec. 76, blk. O-18, D. & P. R.R. Co. survey, 28 1/2 miles north of Amarillo.

Dark-brown surface materials - - - - -	2	2
Red sandy materials - - - - -	1	3
Caliche and red clay - - - -	3	6
Red clay and caliche - - - -	12	18

Struck rock at 18 feet.  
No water sample collected. June 28, 1937.

Well 24

Flat, NW 1/4 SE 1/4 sec. 10, blk. O-18, D. & P. R.R. Co. survey, 26 miles north of Amarillo.

Black surface materials - - - -	6	6
Dark-brown clay - - - - -	2	8
Brown sand - - - - -	1	9
Gray sandy gravel and caliche - - - - -	2	11

Struck rock at 11 feet.  
No water sample collected. June 26, 1937.

Well 25

Rolling land, west side State Highway 33, SW 1/4 SW 1/4 sec. 80, blk. O-18, D. & P. R.R. Co. survey, 25 1/2 miles north of Amarillo.

Brown surface materials - - - -	2	2
Fine-grained white sand stratified with sand rock - - - - -	15	17

(Continued on next page)

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

	Thickness (feet)	Depth (feet)
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Well 25 Continued

Yellow sandrock- - - - - 3 | 20  
 No water sample collected, June 28, 1937.

Well 33

River bottoms, east side State Highway 33, SE $\frac{1}{4}$  sec. 75, 200 yds. north of bridge, blk. 47, H. & T. C. R.R. Co. survey, 18 miles north of Amarillo.

Grayish-brown sandy clay- - 4 | 4  
 Brown sandy clay- - - - - 13 | 17  
 Black and gray sand- - - - - 8 | 25

Water level, 6.3 feet below top of ground, 2 hours after hole completed.  
 Water sample collected July 6, 1937.

Well 36

Rolling land, west side State Highway 33, near southeast corner sec. 14, blk. B-11, E. L. & R.R. Ry. Co. survey, 22 $\frac{1}{2}$  miles north of Amarillo.

Fine-grained brown sand- - - 18 | 18  
 Sand rock- - - - - 1 | 19  
 Caving at 19 feet.

No water sample collected, June 28, 1937.

Well 40

In canyon, NW $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 104, blk. 0-18, D. & P. R.R. Co. survey, 24 miles north of Amarillo.

Chocolate-brown surface materials- - - - - 11 | 11

Struck rock at 11 feet.  
 No water sample collected, July 15, 1937.

Well 42

Near creek, north side county road near southwest corner sec. 64, blk. 0-18, D. & P. R.R. Co. survey, 25 $\frac{1}{2}$  miles north of Amarillo.

Hard brown surface materials- - - - - 2 | 2  
 Sand and caliche- - - - - 4 | 6

Red sandy clay and caliche- - - - - 1 | 7  
 Red sandy clay- - - - - 4 | 11

Fine-grained red sand with thin strata of sand rock- - - - - 10 | 21  
 Fine-grained brown sand- - - 8 | 29

Struck water at 19 feet.  
 Water level, 17.5 feet below top of ground, 1 hour after hole completed.  
 Water sample collected July 12, 1937

	Thickness (feet)	Depth (feet)
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Well 45

In draw, NE $\frac{1}{4}$  sec. 73, blk. 0-18, D. & P. R.R. Co. survey, 28 miles north of Amarillo.

Surface materials and gravel- - - - - 3 | 3  
 Caliche and brown

clay- - - - - 2 | 5  
 Yellow sandy clay- - - - - 10 | 15  
 Yellow sand- - - - - 3 | 18

White sandy clay- - - - - 9 | 27  
 No water sample collected. July 13, 1937.

Well 49

Near creek, east side county road near northeast corner sec. 94, blk. 0-18, D. & P. R.R. Co. survey, 26 miles north of Amarillo.

Brown surface materials- - - 3 | 3  
 Sand, gravel and red

clay- - - - - 4 | 7  
 Brown sandy clay- - - - - 3 | 10  
 Red clay and blue sand-

stone- - - - - 2 | 12  
 Struck water at 9 feet.  
 Water level, 7.2 feet below top of ground, 3 hours after hole completed.  
 Water sample collected. July 12, 1937.

Well 51

Rolling land, north side county road near southwest corner sec. 88, blk. 0-18, D. & P. R.R. Co. survey, 26 miles north of Amarillo.

Brown surface materials- - - - - 4 | 4  
 Light-brown packed

sand- - - - - 10 | 14  
 Brown packed sand and

coarse gravel- - - - - 1 | 15  
 No water sample collected, July 14, 1937.

Well 54

In canyon, NE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 109, blk. 0-18, D. & P. R.R. Co. survey, 24 miles north of Amarillo.

Red surface materials- - - - 4 | 4  
 Fine-grained red mate-

rials- - - - - 10 | 14  
 Red clay and rock- - - - - 3 | 17

No water sample collected. July 15, 1937.

-6-

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

	Thickness (feet)	Depth (feet)
<u>Well 56</u>		
In canyon, <del>SE</del> <sup>SW</sup> $\frac{1}{4}$ sec. 36, blk. B-10, E. L. & R.R. Co. survey, 27 miles north of Amarillo.		
Brown surface materials-	3	3
Fine red silt-	14	17
Red clay and flint rock-	1	18
No water sample collected, July 14, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 61</u>		
In draw, west side State Highway 136 near northeast corner sec. 38, blk. M-20, G. & M. survey, 26 $\frac{1}{2}$ miles north-east of Amarillo.		
Gray sandy surface mate-		
rials-	4	4
Gray sand-	5	9
Sand and caliche rock-	3	12
Sand and gravel-	3	15
Struck water at 12 feet.		
Water level 11.3 feet below top of ground $\frac{1}{2}$ hour after hole completed.		
Water sample collected. Aug. 12, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 67</u>		
In draw, west side State Highway 136, northeast corner sec. 9, blk. 1, S. K. & K. survey, 19 miles northeast of Amarillo.		
Chocolate-colored sandy surface materials-	7	7
Brown sand-	10	17
Hard sandrock-	2	19
White sand-	12	31
No water sample collected. Aug. 13, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 74</u>		
In draw, <del>NE</del> <sup>SE</sup> $\frac{1}{4}$ sec. 27, blk. 1, S. K. & K. survey, 14 $\frac{1}{2}$ miles northeast of Amarillo.		
Dark-gray surface mate-		
rials-	3	3
Dark-gray fine-grained sand-	5	8
Dark-gray sand and rock-	3	11
No water sample collected. Aug. 10, 1937		

	Thickness (feet)	Depth (feet)
<u>Well 80</u>		
In draw, <del>SE</del> <sup>NE</sup> $\frac{1}{4}$ sec. 55, blk. 1, B. S. & F. R.R. Co. survey, 12 miles north-east of Amarillo.		
Dark-gray surface mate-		
rials-	3	3
Dark-colored sand-	8	11

	Thickness (feet)	Depth (feet)
<u>Well 80 Continued</u>		
Light-gray sand with little caliche-	5	16
Light-gray sand and sand rock-	2	18
No water sample collected. Aug. 11, 1937		

	Thickness (feet)	Depth (feet)
<u>Well 85</u>		
Gently rolling, southwest corner sec. 18, 100 yds. south Santa Fe Ry. Co. underpass, blk. M-3, G. & M. survey, 12 miles north of Amarillo.		
Surface materials-	6	6
Light-reddish clay-	2	8
Red waxy clay-	4	12
Fine-grained sand and gravel-	3	15
Gravel and sand-	2	17
Could not pick up gravel.		
No water sample collected. March 11, 1937		

	Thickness (feet)	Depth (feet)
<u>Well 86</u>		
Rolling land, east $\frac{1}{2}$ sec. 35, blk. 5, G. & M. survey, 15 miles north of Amarillo.		
Dark brown sandy surface materials-	4	4
Fine-grained sand-	2	6
Fine-grained red sandy clay-	18	24
Red clay and gravel-	4	28
No water sample collected. June 10, 1937		

	Thickness (feet)	Depth (feet)
<u>Well 90</u>		
River bottoms, <del>NE</del> <sup>SW</sup> $\frac{1}{4}$ sec. 42, blk. 5, G. & M. survey, 18 $\frac{1}{2}$ miles northwest of Amarillo.		
Fine-grained brown sand and little clay-	2	2
Brown sand-	20	22
Struck water at 11 feet.		
Water level 9.4 feet below top of ground, 3 hours after hole completed.		
Water sample collected. June 11, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 91</u>		
Rolling land, southwest corner sec. 2, blk. 4, G. & M. survey, 17 $\frac{1}{2}$ miles north-west of Amarillo.		
Dark-brown surface mate-		
rials-	2	2
Dark-brown sandy clay-	3	5
Brown sandy clay-	3	8
Light-brown sandy clay-	5	13
(Continued on next page)		

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

	Thickness (feet)	Depth (feet)
<u>Well 91 Continued</u>		
Brown sand with little clay and gravel- - - - -	8	21
Fine-grained pink sand- - - - -	4	25
White sand- - - - -	4	29
Pink sand- - - - -	2	31
Light-brown sand- - - - -	1	32
Yellow shale- - - - -	2	34
Blue shale- - - - -	2	36
Struck water at 32 feet.		
Water level, 31 feet below top of ground, 4 hours after hole completed.		
Water sample collected. June 14, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 92</u>		
Rolling land, SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, blk. M-19, G. & M. survey, 20 miles northwest of Amarillo.		
Surface materials- - - - -	1	.1
Red sandy clay- - - - -	3	4
Hard red clay- - - - -	4	8
White sand rock- - - - -	$\frac{1}{2}$	8 $\frac{1}{2}$
Hard red sandy clay- - - - -	11	19 $\frac{1}{2}$
White sandrock- - - - -	2	21 $\frac{1}{2}$
Red sandy clay- - - - -	3	24 $\frac{1}{2}$
Fine-grained pink sand- - - - -	3	27 $\frac{1}{2}$
White, yellow, and pink packed sand- - - - -	11	38 $\frac{1}{2}$
Gray packed sand- - - - -	3	41 $\frac{1}{2}$
No water sample collected. May 8, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 93</u>		
Flat, between fork in county road near southeast corner sec. 89, blk. 5, G. & M. survey, 21 miles northwest of Amarillo.		
Loose sand- - - - -	2	2
Light-red sandy clay- - - - -	6	8
Purple sandy clay- - - - -	7	15
Gray shale and clay- - - - -	7	22
Red sandy clay- - - - -	3	25
No water sample collected. May 17, 1937		

	Thickness (feet)	Depth (feet)
<u>Well 95</u>		
Creek bottoms, NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 90, blk. 5, G. & M. survey, 22 $\frac{1}{2}$ miles northwest of Amarillo.		
Red sand and clay- - - - -	1	13
Red gummy clay and sand- - - - -	5	18
Red clay, sand and gravel- - - - -	3	21
Red gummy clay and sand- - - - -	1	22

	Thickness (feet)	Depth (feet)
<u>Well 95 Continued</u>		
Red sand- - - - -	2	24
Red gummy clay and sand- - - - -	4	28
Struck water at 13 feet.		
Water level, 13.4 feet below top of ground, $\frac{1}{4}$ hour after hole completed.		
No water sample collected. May 13, 1937		

	Thickness (feet)	Depth (feet)
<u>Well 96</u>		
Flat, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 55, blk. 5, G. & M. survey, 24 miles northwest of Amarillo.		
Tight brown sand- - - - -	5	5
Quicksand- - - - -	3	8
Struck water at 5 feet.		
Water level, 4 feet below top of ground.		
No water sample collected. May 18, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 98</u>		
River bank, SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 57, blk. 5, G. & M. survey, 25 miles northwest of Amarillo.		
Brown sand- - - - -	1	1
Brown sandy clay- - - - -	8	9
Brown sand and clay- - - - -	5	14
No water sample collected. May 18, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 99</u>		
Base of escarpment, south side county road near center sec. 61, blk. 5, G. & M. survey, 26 miles northwest of Amarillo.		
Sandy surface materials- - - - -	2	2
Red sandy clay- - - - -	5	7
Red sandy sticky clay- - - - -	14	21
Quicksand and red clay- - - - -	3	24
Struck water at 13 feet.		
Water level, 10.4 feet below top of ground, 24 hours after hole completed.		
Water sample collected. May 17, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 101</u>		
Rolling land, NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, blk. M-19, G. & M. survey, 24 miles northwest of Amarillo.		
Surface materials- - - - -	3	3
Dark-brown clay- - - - -	3	6
Dark-brown clay and caliche rock- - - - -	2	8
Light-brown sandy clay- - - - -	5	13
Light-brown sandy clay and pale-green sand rock- - - - -	1	14
(Continued on next page)		

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

	Thickness (feet)	Depth (feet)
<u>Well 101 continued</u>		
Pale-green sand rock and little gravel- - - - -	2	16
Pale-green sand rock and green shale- - - - -	4	20
No water sample collected. May 17, 1937		

<u>Well 103</u>		
Flat, SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, blk. M-19 G. & M. survey, 21 $\frac{1}{2}$ miles northwest of Amarillo.		
Sandy surface materials- - -	2	2
Red sandy clay- - - - -	10	12
Hard blue shale- - - - -	2	14
Hard flint rock- - - - -	$\frac{1}{2}$	14 $\frac{1}{2}$
No water sample collected. May 13, 1937.		

<u>Well 104</u>		
In draw, south side county road, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, blk. 20-F, E. L. & R.R. Ry. Co. survey, 19 $\frac{1}{2}$ miles northwest of Amarillo.		
Surface materials- - - - -	1	1
Hard white sandrock- - - - -	5	6
Hard red shale- - - - -	13	19
No water sample collected. May 13, 1937.		

<u>Well 106</u>		
Rolling land, east side county road, SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 14, blk. JAD, B. S. & F. survey, 17 miles northwest of Amarillo.		
Surface materials- - - - -	3	3
Gray sandy clay- - - - -	8	11
Red sandy clay- - - - -	14	25
Sandstone- - - - -	2 $\frac{1}{2}$	27 $\frac{1}{2}$
No water sample collected. May 11, 1937.		

<u>Well 107</u>		
Creek bank, SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, blk. 20-F, E. L. & R.R. R.R. Co. survey, 17 $\frac{1}{2}$ miles northwest of Amarillo.		
Red sandy clay- - - - -	3	3
Red sand- - - - -	6	9
Quicksand- - - - -	2	11
No water sample collected. May 14, 1937.		

<u>Well 108</u>		
Rolling land, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1, blk. 20-F, E. L. & R.R. R.R. Co. survey, 16 $\frac{1}{2}$ miles northwest of Amarillo.		
Sandy surface materials- - -	1	1
Gray sandy clay- - - - -	3	4
Pale-green sandrock- - - - -	4 $\frac{1}{2}$	8 $\frac{1}{2}$
No water sample collected. May 10, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 109</u>		
Rolling land, east side county road, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, blk. JAD, B. S. & F. survey, 15 miles northwest of Amarillo.		
Surface materials- - - - -	2	2
Gray sandy clay- - - - -	5	7
Pink sandy clay- - - - -	9	16
Red sandy clay- - - - -	5	21
No water sample collected. May 8, 1937.		

<u>Well 112</u>		
Near ravine, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, blk. 6, B. S. & F. survey, 14 miles northwest of Amarillo.		
Dark-brown surface mate- rials- - - - -		
	4	4
Brown sandy clay- - - - -	6	10
Brown sand- - - - -	2	12
Soft sandstone and brown packed sand- - -		
	6	18
Struck water at 11 feet. Water level, 9.5 feet below top of ground, 14 hours after hole completed. No water sample collected. June 11, 1937.		

<u>Well 117</u>		
Near creek, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, blk. 6, B. S. & F. survey, 9 $\frac{1}{2}$ miles northwest of Amarillo.		
Light-brown surface mate- rials- - - - -		
	2	2
Red sandy clay and coarse gravel- - - - -	2	4
Light-brown sand- - - - -	2	6
Red sandy clay and coarse gravel- - - - -	2	8
Red clay- - - - -	4	12
No water sample collected. June 10, 1937.		

<u>Well 118</u>		
Near creek, NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, blk. 6, B. S. & F. survey, 11 $\frac{1}{2}$ miles north of Amarillo.		
Dark-brown surface mate- rials- - - - -		
	3	3
Brown sandy clay- - - - -	14	17
Red sandy clay- - - - -	2	19
White sandstone- - - - -	1	20
(Continued on next page)		

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

	Thickness (feet)	Depth (feet)
<u>Well 118 continued</u>		
Hard red shale- - - - -	6	26
Struck water at 24 feet.		
Water level, 19.6 feet below top of ground, 24 hours after hole completed.		
Water sample collected. June 14, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 119</u>		
Rolling land, SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, blk. 6, B. S. & F. survey, 12 miles north of Amarillo.		
Red sandy surface material- -	1	1
Brown sand and gravel- - - -	4	5
Dark-red sandy clay- - - - -	10	15
Red clay and gravel- - - - -	3	18
Rock		18
No water sample collected. June 10, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 122</u>		
Rolling land, east side U. S. Highway 87, northwest corner sec. 13, blk. 1, B. S. & F. survey, 8 miles north of Amarillo.		
Surface materials- - - - -	2	2
Fine-grained brown sand- - -	1	3
White sandy clay and caliche-	3	6
Gravel and caliche- - - - -	2	8
Sand and gravel- - - - -	4	12
Sand, gravel and clay- - - -	2	14
Fine-grained white and yellow sand- - - - -	5	19
White and yellow sand and gravel- - - - -	2	21
Sand and soapstone- - - - -	2	23
No water sample collected. March 11, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 124</u>		
Rolling land, west side U. S. Highway 87 near northeast corner sec. 200, blk. 2, A. B. & M. survey, 9 $\frac{1}{2}$ miles north of Amarillo.		
Gravel- - - - -	2	2
White sandy clay and caliche- - - - -	5	7
Fine-grained yellow sand and caliche- - - - -	5	12
Yellow clay and gravel- - - -	2	14
Fine-grained yellow sand and clay- - - - -	2	16
Yellow waxy clay and sand- - - - -	6	22

	Thickness (feet)	Depth (feet)
<u>Well 124 continued</u>		
Fine-grained yellow sand- - -	4	26
Sand and gravel- - - - -	2	28
Yellow waxy clay- - - - -	2	30
No water sample collected. March 11, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 141</u>		
Flat, south side county road near northeast corner sec. 2, B. S. & F. survey, 13 $\frac{1}{2}$ miles northeast of Amarillo.		
Dark-brown surface materials- - - - -	3	3
Sandy caliche- - - - -	5	8
Brown clay and caliche- - -	16	24
Brown sandy clay and caliche- - - - -	10	34
Brown clay- - - - -	6	40
Rock- - - - -		40
No water sample collected. July 16, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 146</u>		
Flat, north side State Highway 136, near northeast corner sec. 4, blk. 1, B. S. & F. survey, 11 $\frac{1}{2}$ miles northeast of Amarillo.		
Dark brown surface materials- - - - -	3	3
Caliche and clay- - - - -	4	7
Light-brown clay and caliche- - - - -	8	15
Brown sandy clay and caliche- - - - -	15	30
Brown sandy clay and gravel- - - - -	7	37
No water sample collected. Aug. 2, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 150</u>		
Flat, north side State Highway 136, NW $\frac{1}{2}$ sec. 46, blk. 2, A. B. & M. survey, 9 miles northeast of Amarillo.		
Dark-brown surface materials- - - - -	4	4
Light-brown sandy caliche clay- - - - -	19	23
Brown sandy clay- - - - -	19	42
No water sample collected. July 26, 1937		

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

	Thickness (feet)	Depth (feet)
<u>Well 154</u>		
Flat, east side county road near north-west corner sec. 21, blk. 2, A. B. & M. survey, 11 $\frac{1}{2}$ miles northeast of Amarillo.		
Brown surface materials-	2	2
Brown sandy clay and caliche-	8	10
Brown sandy clay-	3	13
Caliche and clay-	3	16
Brown sandy clay-	17	33
Brown clay and caliche-	9	42
No water sample collected. July 16, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 157</u>		
Flat, south side State Highway 33, SW $\frac{1}{4}$ -NE $\frac{1}{4}$ sec. 4, blk. 2, A. B. & M. survey, 12 miles east of Amarillo.		
Dark-brown waxy surface materials-		
	2	2
Brown clay-	2	4
Light-brown clay and caliche-		
	16	20
No water sample collected. June 3, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 162</u>		
Upland flat, south side State Highway 33, southeast corner sec. 26, blk. 2, A. B. & M. survey, 10 $\frac{1}{2}$ miles east of Amarillo.		
Dark-brown sandy surface materials-		
	2	2
Reddish-brown clay-	3	5
Red sandy clay and caliche-		
	18	23
Light-brown sandy clay-	7	30
Caliche and clay-	14	44
Lime rock-	3	47
Light-brown sand-	2	49
No water sample collected. June 2, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 166</u>		
Upland flat, south side U. S. Highway 66, northwest corner sec. 38, blk. 2, A. B. & M. survey, 8 miles east of Amarillo.		
Dark-brown waxy surface materials-		
	2	2
Derk-brown clay-	2	4
Caliche and red sandy clay-		
	34	38
Hard red sandy clay-	3 $\frac{1}{2}$	41 $\frac{1}{2}$

	Thickness (feet)	Depth (feet)
<u>Well 166 Continued.</u>		
Hard red rock-	$\frac{1}{2}$	42
No water sample collected. June 1, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 168</u>		
Upland flat, north side U. S. Highway 66, southwest corner sec. 6, blk. 2, A. B. & M. survey, 11 miles east of Amarillo.		
Dark-brown waxy surface materials-		
	2	2
Dark-reddish clay-	2	4
Caliche and clay-	10	14
Caliche and red sandy clay-		
	4	18
Light-brown clay-	10	28
Red clay-	2	30
No water sample collected. June 1, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 170</u>		
Flat, south side State Highway 5, SW $\frac{1}{4}$ -SE $\frac{1}{4}$ sec. 9, blk. 2, A. B. & M. survey, 12 miles east of Amarillo.		
Brown sandy surface materials-		
	4	4
Light-brown clay and caliche-		
	7	11
Hard heavy brown clay-	17	27
No water sample collected. May 27, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 174</u>		
Flat, south side State Highway 5, north-east corner sec. 53, blk. 2, A. B. & M. survey, 8 miles east of Amarillo.		
Brown sandy surface materials-		
	2	2
Caliche and sand-	6	8
Light-brown clay and caliche-		
	24	32
Red sandy clay-	12	44
Red clay and gravel-	4	48
Red clay and caliche-		
	8	56
No water sample collected. May 27, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 177</u>		
Flat, south side State Highway 5, north-east corner sec. 107, blk. 2, A. B. & M. survey, 4 $\frac{1}{4}$ miles east of Amarillo.		
Dark-brown sandy surface materials-		
	3	3

(Continued on next page)



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

	Thickness (feet)	Depth (feet)
<u>Well 177 continued</u>		
Red sandy clay and caliche- - - - -	14	17
Red clay- - - - -	6	23
Red sandy clay and caliche- - - - -	6	29
Light-brown sandy clay- -	13	42
Red sandy clay- - - - -	12	54
No water sample collected! May 27, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 184</u>		
Upland flat, north side U. S. Highway 66, SW 1/4 sec. 93, blk. 2, A. B. & M. survey, 4 1/4 miles east of Amarillo.		
Dark-brown surface materials- - - - -	2	2
Reddish clay- - - - -	2	4
Caliche- - - - -	10	14
Caliche and red sandy clay- - - - -	7	21
Caliche and gray sandy clay- - - - -	19	40
No water sample collected. June 1, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 191</u>		
Upland flat, west side county road, northeast corner sec. 49, blk. 2, A. B. & M. survey, 8 1/2 miles east of Amarillo.		
Dark-brown waxy surface materials- - - - -	2	2
Brown clay and surface materials- - - - -	1	3
Light-brown clay and caliche- - - - -	2	5
Red sandy clay and little caliche- - - - -	11	16
Light-brown clay- - - - -	6	22
No water sample collected. June 2, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 199</u>		
Flat, south side State Highway 136, northwest corner sec. 70, blk. 2, A. B. & M. survey, 6 1/2 miles northeast of Amarillo.		
Dark-brown surface materials- - - - -	2	2
Sandy caliche clay- - - - -	6	8
Brown sandy clay- - - - -	9	17
Light-brown clay and caliche- - - - -	23	40

	Thickness (feet)	Depth (feet)
<u>Well 199 continued</u>		
Brown clay- - - - -	4	44
No water sample collected. July, 26, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 205</u>		
Flat, east side county road, southwest corner sec. 102, blk. 2, A. B. & M. survey, 4 1/4 miles northeast of Amarillo.		
Sandy surface materials- - - - -	3	3
Brown sandy caliche clay- - - - -	10	13
Red clay- - - - -	3	16
Brown sandy clay and caliche- - - - -	25	41
Red clay and little gravel- - - - -	12	42
Gravel and red clay- - -	2	44
Caliche rock- - - - -	1	45
No water sample collected. July 29, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 215</u>		
Rolling land, west side U. S. Highway 87, southeast corner sec. 163, blk. 2, A. B. & M. survey, 6 miles north of Amarillo.		
Dark-brown sandy surface materials- - - - -	4	4
Fine-grained brown sand- -	5	9
Gray sandy clay and caliche- - - - -	6	15
Brown sandy clay- - - - -	11	26
Fine-grained light-brown sand- - - - -	1	27
Brown sand and clay- - - -	3	30
Fine-grained light-brown sand- - - - -	4	34
Sand rock- - - - -		34
No water sample collected. July 6, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 217</u>		
Rolling land, west side county road, southeast corner sec. 129, blk. 2, A. B. & M. survey, 5 1/2 miles northeast of Amarillo.		
Dark-brown surface materials- - - - -	4	4
Dark-brown sandy clay- -	4	8
Light-brown caliche clay- - - - -	17	25
Red caliche clay and caliche rock- - - - -	4	29
No water sample collected. July 29, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 219</u>		
In draw, <u>SE<math>\frac{1}{4}</math>NW<math>\frac{1}{4}</math></u> sec. 128, blk. 2, A. B. & M. survey, 5 miles north-east of Amarillo.		
Dark-brown sandy sur- face materials- - - - -	3	3
Brown sandy clay- - - - -	7	10
Light-brown sand- - - - -	16	26
Caliche sand- - - - -	4	30
Light-brown sand- - - - -	11	41
Sand rock- - - - -	1	42
Light-brown sand- - - - -	2	44
Sand rock- - - - -	1	45
Light-brown sand- - - - -	1	46
Sand rock- - - - -	5	51
Very hard sand rock- - - -	3	54
Struck water at 58 feet.		
Water level, 57.4 feet below top of ground, 1 hour after hole completed.		
Water sample collected. July 29, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 233</u>		
In draw, north side of county road, southeast corner sec. 221, blk. 2, A. B. & M. survey, 4 $\frac{1}{2}$ miles north-west of Amarillo.		
Black surface materials- - -	4	4
Red surface materials- - - -	1	5
Fine-grained dark- colored sand and caliche- - - - -	1	6
Fine-grained red sand- - - - -	1	7
Black sand and clay- - - - -	4	11
Light-colored sand and clay- - - - -	1	12
Fine-grained white sand- - -	3	15
Pink sand- - - - -	2	17
Fine-grained pink sand- - - - -	6	23
Struck water at 20 feet.		
Water level, 16 feet below top of ground, 1 $\frac{1}{2}$ hours after hole completed.		
Water sample collected. March 17, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 241</u>		
Rolling land, west side of U. S. Highway 87, northeast corner sec. 167, blk. 2, A. B. & M. survey, 2 $\frac{3}{4}$ miles north of Amarillo.		
Surface materials- - - - -	2	2

	Thickness (feet)	Depth (feet)
<u>Well 241 continued</u>		
Fine-grained light-brown sand- - - - -	20	22
Fine-grained light-brown sand and caliche with little gravel- - - - -	8	30
Sand rock- - - - -		30
No water sample collected. July 6, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 256</u>		
Rolling land, east side U. S. Highway 87, <u>SW<math>\frac{1}{4}</math>NW<math>\frac{1}{4}</math></u> sec. 157, blk. 2, A. B. & M. survey, 1 $\frac{1}{2}$ miles north of Amarillo.		
Black surface mate- rials- - - - -	2	2
Light-red clay and caliche- - - - -	12	14
Red sandy caliche clay- - - - -	20	34
No water sample collected. July 6, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 266-A</u>		
Flat, <u>SW<math>\frac{1}{4}</math>NW<math>\frac{1}{4}</math></u> sec. 138, blk. 2, A. B. & M. survey, 1 $\frac{1}{2}$ miles east of courthouse in Amarillo.		
Blue gumbo- - - - -	3	3
Gray clay- - - - -	4	7
Caliche clay- - - - -	1	8
Light-yellow clay- - - - -	7	15
Light-red clay- - - - -	14	29
No water sample collected. Aug. 13, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 274</u>		
Flat, <u>NW<math>\frac{1}{4}</math>SE<math>\frac{1}{4}</math></u> sec. 186, blk. 2, A. B. & M. survey, 2 miles southwest of Amarillo.		
Dark-brown sandy sur- face materials- - - - -	4	4
Brown sandy clay- - - - -	4	8
Caliche clay- - - - -	2	10
Red sandy clay- - - - -	10	20
Caliche clay- - - - -	4	24
No water sample collected. Aug. 13, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 276</u>		
In draw, <u>NE<math>\frac{1}{4}</math>NW<math>\frac{1}{4}</math></u> sec. 26, blk. 9, B. S. & F. survey, 4 $\frac{1}{4}$ miles west of Amarillo.		
Sandy surface materials- - -	1	1
Fine-grained light-pink sand- - - - -	26	27
Fine-grained pink sand and few thin layers of sand rock- - - - -	21	48
(Continued on next page)		

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

	Thickness (feet)	Depth (feet)
<u>Well 276 continued</u>		
Sand rock- - - - -	3	56
Struck water at 48 feet.		
Water level, 47.5 feet below top of ground, 6 hours after hole completed.		
Water sample collected. May 20, 1937.		

<u>Well 277</u>		
Mouth of draw, NE <sup>1</sup> SW <sup>1</sup> / <sub>4</sub> sec. 26, blk. 9, B. S. & F. survey, 4 <sup>1</sup> / <sub>2</sub> miles west of Amarillo.		
Sandy surface materials- - - - -	1	1
Dark-brown clay and caliche- - - - -	7	8
Red sandy clay- - - - -	5	13
Gray clay- - - - -	7	20
Red sandy clay- - - - -	6	26
Caliche rock- - - - -	4	30
No water sample collected. May 2, 1937.		

<u>Well 281</u>		
Flat, north side of State Highway 13, SE <sup>1</sup> SE <sup>1</sup> sec. 60, blk. 9, B. S. & F. survey, 6 miles west of Amarillo.		
Surface materials- - - - -	3	3
Red sandy clay- - - - -	24	27
Clay and caliche- - - - -	3	30
Red sandy clay- - - - -	27	57
Red sandy clay and caliche- - - - -	17	74
Red sandy clay- - - - -	5	79
No water sample collected. April 10, 1937.		

<u>Well 287</u>		
Box Canyon, NE <sup>1</sup> SW <sup>1</sup> / <sub>4</sub> sec. 93, blk. 9, B. S. & F. survey, 8 <sup>1</sup> / <sub>2</sub> miles west of Amarillo.		
Thin layers of caliche and sandstone- - - - -	8	8
Red sandy clay- - - - -	10	18
Caliche- - - - -	3	21
Loose sand- - - - -	1	22
Brown clay and caliche- - -	5	27
Fine-grained pink sand- - -	44	71
No water sample collected. April 10, 1937.		

<u>Well 289</u>		
In draw, SE <sup>1</sup> SW <sup>1</sup> / <sub>4</sub> sec. 78, blk. 9, B. S. & F. survey, 7 <sup>1</sup> / <sub>2</sub> miles west of Amarillo.		
Surface materials- - - - -	3	3

	Thickness (feet)	Depth (feet)
<u>Well 289 continued</u>		
Gray and red clay- - - - -	17	20
Fed sandy clay- - - - -	2	22
Hard white packed sand- - - - -		
	24	46
Pink sand- - - - -	7	53
Struck water at 49 feet.		
Water level, 48.5 feet below top of ground, 3 hours after hole completed.		
Water sample collected. April 20, 1937.		

<u>Well 291</u>		
In draw, southwest corner s.c. 53, blk. 9, B. S. & F. survey, 6 <sup>1</sup> / <sub>2</sub> miles west of Amarillo.		
Surface materials- - - - -	2	2
Brown sand and caliche- - -	6	8
Gravel and caliche- - - - -	1	9
Fine-green sand-rock- - - - -	10 <sup>1</sup>	19 <sup>1</sup> / <sub>2</sub>
Struck water at 13 feet.		
Water level, 15.5 feet below top of ground, 7 hours after hole completed.		
Water sample collected. April 19, 1937.		

<u>Well 294</u>		
In draw, NW <sup>1</sup> NE <sup>1</sup> / <sub>4</sub> sec. 10, blk. 9, B. S. & F. survey, 3 <sup>1</sup> / <sub>2</sub> miles west of Amarillo.		
Brown sand and caliche- - -	2	2
Brown sand- - - - -	6	8
Brown sand and caliche rock- - - - -	5	13
Light-brown sand and caliche rock- - - - -	9	22
No water sample collected. May 25, 1937.		

<u>Well 295</u>		
Dry creek bottom, NE <sup>1</sup> NE <sup>1</sup> / <sub>4</sub> sec. 24, blk. 9, B. S. & F. survey, 4 <sup>1</sup> / <sub>2</sub> miles northwest of Amarillo.		
Dark-brown sandy clay- - -	2	2
Sand and gravel- - - - -	5	7
Struck water at 5 feet.		
Water level, 4.2 feet below top of ground, 1 hour after hole completed.		
Water sample collected. May 26, 1937.		

<u>Well 299</u>		
Flat, east side county road, northwest corner sec. 46, blk. 9, B. S. & F. survey 6 miles northwest of Amarillo.		

(Continued on next page.)

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

	Thickness (feet)	Depth (feet)
<u>Well 299 Continued.</u>		
Surface materials- - - - -	3	3
Clay- - - - -	23	26
Red sandy clay- - - - -	8	34
Red clay- - - - -	2	36
Blue clay- - - - -	1	37
Struck water at 27 feet.		
Water level, 26.8 feet below top of ground, 2 hours after hole completed.		
Water sample collected. Mar. 22, 1937.		

<u>Well 300</u>		
Rolling land, northwest corner sec. 57, blk. 9, B. S. & F. survey, 7 miles west of Amarillo.		
Sandy surface materials- - -	1 1/2	1 1/2
Hard red packed clay- - - - -	5 1/2	7
Struck water at 6 feet.		
Water level, 4 feet below top of ground, 12 hours after hole completed.		
Water sample collected. April 19, 1937.		

<u>Well 301</u>		
Near creek, <del>NE 1/4</del> <sup>SE 1/4</sup> sec. 91, blk. 9, B. S. & F. survey, 8 miles west of Amarillo.		
Hard red clay- - - - -	8	8
Red clay and gravel- - - - -	3	11
Pale-green sand rock- - - - -	12	23
No water sample collected. April 14, 1937.		

<u>Well 303</u>		
In draw, south side county road, south- west corner sec. 89, blk. 9, B. S. & F. survey, 9 1/2 miles northwest of Amarillo.		
Surface materials- - - - -	1	1
Sandy materials- - - - -	1	2
Red sandy clay- - - - -	2	4
Red sandy clay and caliche- - -	6	10
Fine-grained yellow sand- - -	4	14
Sand rock- - - - -		14
No water sample collected. Mar. 26, 1937.		

<u>Well 309</u>		
In draw, south side county road, <del>NE 1/4</del> sec. 47, blk. 9, B. S. & F. survey, 6 1/2 miles northwest of Amarillo.		
Sand- - - - -	4	4
White sand- - - - -	1	5
Red sandy clay- - - - -	3	8
Struck water at 5 feet.		
Water level, 4 feet below top of ground, 3 hours after hole completed.		
Water sample collected. March 13, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 312</u>		
Hilly, north side county road near southwest corner sec. 14, blk. 9, B. S. & F. survey, 5 1/2 miles northwest of Amarillo.		
Surface materials- - - - -	1	1
Red clay end surface materials- - - - -	2	3
Red clay with little caliche- - - - -	9	12
Red clay and sand- - - - -	6	18
Tight fine-grained white sand- - - - -	3	21
No water sample collected. March 17, 1937.		

<u>Well 313</u>		
Rolling land, <del>SE 1/4</del> <sup>SE 1/4</sup> sec. 14, blk. 9, B. S. & F. survey, 5 miles northwest of Amarillo.		
Surface materials- - - - -	4	4
Red clay and surface materials- - - - -	2	6
Red clay and surface materials- - - - -	1	7
White clay- - - - -	3	10
White clay and white sand- - - - -	1	11
No water sample collected. March 17, 1937.		

<u>Well 315</u>		
Dry creek bottom, <del>SW 1/4</del> <sup>SW 1/4</sup> sec. 20, blk. 9, B. S. & F. survey, 7 miles north- west of Amarillo.		
Sand and gravel- - - - -	3	3
Sand and red clay- - - - -	7	10
Red and purple clay- - - - -	5	15
Dry hard purple clay- - - - -	12	27
White sand- - - - -	1	28
Red clay and fine white sand- - - - -	1	29
Red sandy clay- - - - -	2	31
Struck water at 30 feet.		
Water level, 28.6 feet below top of ground, 24 hours after hole completed.		
Water sample collected. March 16, 1937.		

<u>Well 316</u>		
Creek bank, west side county road, northeast corner sec. 15, blk. 9, B. S. & F. survey, 6 miles northwest of Amarillo.		
(Continued on next page)		

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

	Thickness (feet)	Depth (feet)
<u>Well 316 continued</u>		
Fine-grained dark-colored sand- - - - -	9	9
Light-colored sand- - - - -	2	11
Struck water at 9 feet.		
Water level, 0.1 feet below top of ground, 1/5 hour after hole completed.		
Water sample collected. March 12, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 317</u>		
Slope, west side county road, NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, blk. 9, B. S. & F. survey, 7 $\frac{1}{2}$ miles northwest of Amarillo.		
Surface materials- - - - -	4	4
Red clay, little caliche- - -	4	8
Clay, sand and caliche- - - -	2	8
Clay and fine gravel- - - - -	2	10
Red clay- - - - -	4	14
Hard red gumbo clay- - - - -	2	16
Hard blue shale- - - - -	1	17
No water sample collected. March 15, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 318</u>		
Bottom of draw, west side county road, northeast corner sec. 17, blk. 9, B. S. & F. survey, 8 miles north of Amarillo.		
Black sandy clay- - - - -	1	1
Black clay- - - - -	1	2
Red waxy clay and sand- - -	6	8
Hard red sticky clay- - - -	1	9
Struck water at 6 feet.		
Water level, 5 feet below top of ground, 3 hours after hole completed.		
Water sample collected. March 12, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 319</u>		
Dry creek bottom, northwest corner sec. 51, blk. 9, B. S. & F. survey, 9 $\frac{1}{2}$ miles northwest of Amarillo.		
Sand and gravel- - - - -	1	1
Sand- - - - -	2	3
Hard red packed clay- - - -	2	5
Blue shale- - - - -	3	8
No water sample collected. March 16, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 323</u>		
Rolling land, SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 118, blk. 9, B. S. & F. survey, 11 miles northwest of Amarillo.		
Brown sandy surface materials- - - - -	3	3

	Thickness (feet)	Depth (feet)
<u>Well 323 continued</u>		
Fine-grained brown sand- - -	5	8
Brown sand and gravel- - - -	2	10
Brown sandy clay- - - - -	5	15
Hard red clay- - - - -	19	34
Red sandy clay- - - - -	13	47
No water sample collected. June 14, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 325</u>		
Rolling land, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, blk. 9, B. S. & F. survey, 11 miles northwest of Amarillo.		
Dark-colored sandy surface materials- - - - -	3	3
Brown sandy clay- - - - -	3	6
Pink sandy clay streaked with fine layers of white sandstone- - - - -	11	17
No water sample collected. June 2, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 327</u>		
Dry creek bed, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 6, blk. 2-6, J. H. Gibson survey, 17 $\frac{1}{2}$ miles west of Amarillo.		
Gravel- - - - -	3	3
Sand- - - - -	3	6
Hard blue clay- - - - -	$\frac{1}{2}$	6 $\frac{1}{2}$
Struck water at 4 feet.		
Water level, 3.5 feet below top of ground, 2 hours after hole completed.		
No water sample collected. May 10, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 329</u>		
Rolling land, north side of county road, southeast corner sec. 156, blk. 9, B. S. & F. survey, 13 miles west of Amarillo.		
Surface materials- - - - -	1	1
Sandy materials- - - - -	2	3
Dark-colored sandy clay- - -	2	5
Fine-grained white sand and clay- - - - -	3	8
Hard red clay- - - - -	20	28
White sandstone- - - - -	$\frac{1}{2}$	28 $\frac{1}{2}$
No water sample collected. March 27, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 332</u>		
In draw, SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 132, blk. 9, B. S. & F. survey, 13 miles west of Amarillo.		
Surface materials- - - - -	2	2
Clay and limestone- - - - -	1	3
Sand and clay- - - - -	3	6

(Continued on next page)

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

	Thickness (feet)	Depth (feet)
Well 332 continued		
Fine-grained yellow sand- -	8	14
Sand and limestone- - - - -	2	16
Limestone- - - - -	2	18
Red sandy clay- - - - -	7	25
White sand- - - - -	7	32
Struck water at 26 feet.		
Water level, 24.2 feet below top of ground, 18 hours after hole completed.		
Water sample collected. March 27, 1937.		

	Thickness (feet)	Depth (feet)
Well 335		
In draw, SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, blk. 3-6 J. H. Gibson survey, 15 $\frac{1}{2}$ miles west of Amarillo.		
Black sandy surface materials- - - - -	4	4
Fine-grained sand rock- - -	8	12
Sand and gravel- - - - -	9	21
Struck water at 18.5 feet.		
Water level, 18.5 feet below top of ground, 3 hours after hole completed.		
Water sample collected. May 10, 1937.		

	Thickness (feet)	Depth (feet)
Well 336		
In draw, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 40, blk. M-19, G. & M. survey, 18 miles west of Amarillo.		
Brown sandy surface materials- - - - -	1	1
White sandy clay and caliche- - - - -	8	9
Hard red sandy clay- - - - -	4	13
Yellow sandy clay- - - - -	3	16
Pale-green sand rock- - - - -	4	20
Hard dry red clay- - - - -	10	30
Red clay with yellow streaks of clay- - - - -	1	31
No water sample collected. May 3, 1937.		

	Thickness (feet)	Depth (feet)
Well 344		
Flat, S $\frac{7}{8}$ SE $\frac{1}{4}$ sec. 147, blk. 9, B. S. & F. survey, 11 miles west of Amarillo.		
Surface materials- - - - -	1	1
Red clay- - - - -	2	3
White clay- - - - -	3	6
Red clay- - - - -	9	15
White clay- - - - -	8	23
Red clay- - - - -	7	30
Red clay and caliche- - - - -	11	41
Brown sandy clay and caliche- - - - -	10	51
No water sample collected. March 31, 1937.		

	Thickness (feet)	Depth (feet)
Well 345		
In draw, west side county road, southeast corner sec. 123, blk. 9, B. S. & F. survey, 10 miles west of Amarillo.		
Brown sandy clay- - - - -	3	3
Pink sand- - - - -	1	4
Gravel and caliche- - - - -	5 $\frac{1}{2}$	9 $\frac{1}{2}$
No water sample collected. April 1, 1937.		

	Thickness (feet)	Depth (feet)
Well 351		
In dry sink, northeast corner sec. 144, blk. 9, B. S. & F. survey, 11 miles west of Amarillo.		
Hard black surface materials- - - - -	1	1
Blue clay- - - - -	2	3
Red sandy clay- - - - -	25	28
Red sandy clay and caliche- - - - -	7	35
Hard sand rock- - - - -	1	36
No water sample collected. April 23, 1937.		

	Thickness (feet)	Depth (feet)
Well 356		
Flat, east side county road, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 162, blk. 9, B. S. & F. survey, 12 $\frac{1}{2}$ miles west of Amarillo.		
Black surface materials- - - - -	3	3
Loose red clay and caliche- - - - -	22	25
Hard red clay- - - - -	32	57
No water sample collected. March 27, 1937.		

	Thickness (feet)	Depth (feet)
Well 359		
In draw, N. NW $\frac{1}{4}$ sec. 196, blk. 9, B. S. & F. survey, 14 $\frac{1}{2}$ miles west of Amarillo.		
Surface materials- - - - -	1	1
Hard blue clay- - - - -	9	10
Packed sand- - - - -	3	13
White sand rock- - - - -	4	17
Quicksand- - - - -	4	21
Sand rock- - - - -	3	24
Fine-grained sand- - - - -	3	27
Sand rock- - - - -	11	38
Fine-grained sand- - - - -	6	44
Fine-grained pink sand- - - - -	7	51
No water sample collected. April 29, 1937.		

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

	Thickness (feet)	Depth (feet)
<u>Well 362</u>		
Flat, south side State Highway 13, SW $\frac{1}{4}$ -NW $\frac{1}{4}$ sec. 9, blk. Z-3, 16 $\frac{1}{2}$ miles west of Amarillo.		
Surface materials- - - - -	2	2
Sandy red clay- - - - -	2	4
White sandy clay and caliche- - - - -	9	13
Red sandy clay and caliche- - - - -	12	25
No water sample collected. April 30, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 368</u>		
Flat, NE $\frac{1}{4}$ -NE $\frac{1}{4}$ sec. 12, blk. Z-3, 17 $\frac{1}{2}$ miles west of Amarillo.		
Surface materials- - - - -	3	3
Sandy red clay- - - - -	3	6
Red sandy clay and caliche- - - - -	14	20
Red sandy clay- - - - -	11	31
No water sample collected. May 3, 1937.		

Partial analyses of water from wells in Potter County, Texas

(Analyzed at the University of Texas under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry; by J. E. Stulken, D. F. Riddell, U. T. Davidson, Floyd H. Ward, and F. G. Steer, Chemists; and J. A. Harmaza, Martin Wieland, and Jack Ramsey, Assistant Chemists. Nitrate determined by E. W. Lohr, U. S.

Geological Survey. 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 (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (calculated)
2	Bivins Estate	42	July 1, 1937	280	13	8	89	244	33	17	b/	65
4	do.	84	do.	377	22	7	118	275	48	47	b/	84
5	do.	34	June 29, 1937	-	-	-	-	-	205	310	b/	-
7	do.	59	do.	2,894	-	-	-	55	167	1,670	b/	-
8	do.	82	July 2, 1937	1,653	20	19	540	525	764	52	b/	127
9	do.	178	June 26, 1937	202	-	-	-	165	32	14	b/	-
12	do.	70	June 29, 1937	215	-	-	-	183	36	9	b/	-
13	do.	134	June 26, 1937	264	-	-	-	220	43	15	b/	-
14	do.	70	do.	553	-	-	-	372	109	60	b/	-
15	do.	160	June 25, 1937	259	-	-	-	244	32	9	b/	-
16	do.	74	do.	258	-	-	-	244	32	8	b/	-
19	W. P. A. test	11	do.	351	-	-	-	317	51	12	b/	-
22	Bivins Estate	167	do.	-	-	-	-	-	32	9	b/	-
23	J. M. Crawford	300	June 28, 1937	886	-	-	-	140	528	15	b/	-
30	John C. Fin	60	do.	-	-	-	-	-	39	9	b/	-
32	do.	Spring	do.	-	-	-	-	-	17	11	-	-
33	W. P. A. test	25	July 6, 1937	487	74	29	76	451	59	27	b/	303
41	Masterson Estate	Spring	July 13, 1937	337	76	29	12	305	37	33	b/	308
42	W. P. A. test	29	July 12, 1937	157	40	4	15	146	15	11	b/	118
43	Masterson Estate	120	July 13, 1937	212	50	21	2	214	15	19	b/	213
46	do.	103	July 12, 1937	169	22	21	12	171	14	10	b/	143
47	do.	118	do.	-	-	-	-	-	a/	15	-	-
49	W. P. A. test	12	do.	345	61	18	56	403	14	12	b/	226
50	Masterson Estate	132	do.	286	65	34	2	354	a/	11	b/	301
52	do.	Spring	July 15, 1937	320	60	27	27	317	26	24	b/	262
55	do.	28	do.	8,667	709	417	1,631	317	3,154	2,550	b/	3,488
57	do.	24	July 14, 1937	940	177	48	53	183	550	22	b/	639
58	do.	32	do.	1,061	190	51	75	207	616	27	b/	687
61	W. P. A. test	15	Aug. 12, 1937	441	-	-	-	153	37	149	30	-
65	Bivins Estate	175	do.	259	55	13	24	214	47	15	b/	193

b/ Sulphate less than 10 parts per million.

b/ Nitrat. less than 20 parts per million.



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

Results are in parts per million

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO (calculated)
66	Bivins Estate	140	Aug. 12, 1937	266	68	8	21	220	39	22	b/	205
68	C. Purvines	470	June 20, 1937	225	44	1	47	238	a/	16	-	116
72	Ben Masterson	230	Aug. 10, 1937	222	42	16	20	195	39	9	b/	170
73	do.	90	do.	247	49	11	38	140	51	29	50	167
75	Bivins Estate	291	Aug. 5, 1937	235	45	17	21	207	39	11	b/	180
76	Carrol Purvine	100	Aug. 4, 1937	284	63	8	32	207	62	17	b/	190
78	Bivins Estate	Spring	Aug. 11, 1937	231	40	20	23	232	15	19	b/	182
79	do.	54	do.	223	38	17	22	183	38	17	b/	166
88	U. S. Gov't	20	June 10, 1937	428	-	-	-	366	63	25	b/	-
89	do.	57	June 14, 1937	-	-	-	-	-	1,652	590	b/	-
90	W. P. A. test	22	June 11, 1937	8,183	-	-	-	122	4,188	1,070	580	-
91	do.	36	June 14, 1937	592	-	-	-	366	132	33	40	-
94	Fred Fuqua	10	Mar. 26, 1937	951	-	-	-	592	299	27	b/	-
95	W. P. A. test	28	May 13, 1937	1,626	5	4	654	1,342	217	86	b/	27
97	Fuqua Land & Cattle Co.	46	May 17, 1937	1,111	60	26	328	439	186	295	b/	256
99	W. P. A. test	24	do.	1,366	-	-	-	500	330	325	b/	-
111	Bush Estate	100	June 14, 1937	1,297	19	4	459	610	454	61	b/	62
113	do.	56	June 15, 1937	-	-	-	-	-	105	48	b/	-
118	W. P. A. test	26	June 14, 1937	1,372	-	-	-	390	434	230	58	-
121	Fuqua Estate	61	June 4, 1937	1,592	-	-	-	232	696	275	b/	-
127	Bivins Estate	30	July 10, 1937	472	38	21	115	305	73	75	b/	183
128	do.	126	do.	422	50	6	108	311	55	50	b/	148
129	do.	103	Aug. 10, 1937	296	72	9	27	220	51	29	b/	215
130	do.	131	do.	253	61	12	20	244	31	9	b/	203
144	Leo Neusch	385	July 15, 1937	255	42	20	31	262	18	15	b/	188
147	J. A. Jones	336	July 19, 1937	284	31	17	61	293	18	13	b/	145
148	Louis Johnson	235	July 3, 1937	279	40	28	29	262	39	14	b/	212
151	H. L. Neusch	220	Aug. 8, 1937	304	35	26	46	263	47	18	b/	196
152	N. S. McGee	228	July 26, 1937	313	33	22	59	287	40	18	b/	174
153	Adolph Bertrand	330	July 19, 1937	267	41	15	44	244	18	29	b/	165
155	J. A. McDonald	330	July 26, 1937	275	42	31	21	275	26	20	b/	234
158	Santa Fe Ry. Co.	300	June 21, 1937	559	-	-	-	207	175	90	b/	-
160	W. A. Holder	299	July 26, 1937	268	53	16	28	238	33	21	b/	198

a/Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (calculated)
173	Brady School Dist. No. 6	227	July 8, 1937	277	42	35	17	281	15	30	b/	252
176	Charles Dammer	210	May 27, 1937	-	-	-	-	-	39	16	b/	-
180	E. T. Latta	270	Mar. 10, 1937	340	-	-	-	305	51	8	b/	-
181	Mrs. Pearl A. Kesterson	240	July 8, 1937	261	54	19	23	275	18	12	b/	212
182	W. B. Benton	230	do.	-	-	-	-	-	18	13	b/	-
187	T. T. Oxnard	244	June 21, 1937	265	-	-	-	244	32	13	b/	-
135	Katie Schwall	150	July 27, 1937	276	60	27	10	299	19	13	b/	262
194	John Lange	300	do.	3,636	320	119	729	55	1,671	770	b/	1,288
195	T. W. Stalaker	250	do.	389	27	15	105	329	66	14	b/	130
196	Katherine Schwall	120	June 1, 1937	321	-	-	-	281	43	19	b/	-
197	Rockwell Estate	230	July 27, 1937	324	33	26	55	275	51	24	b/	191
202	Charles Pavillard	187	Aug. 2, 1937	371	28	12	102	305	59	20	b/	117
206	Dan Pavillard	222	July 29, 1937	414	18	11	131	311	55	46	b/	92
207	F. A. Nobles	152	do.	284	51	24	25	262	39	13	b/	225
209	R. S. Connellee	85	July 10, 1937	317	47	32	20	275	48	20	b/	273
215	C. E. Thomas	111	June 4, 1937	233	-	-	-	189	32	21	b/	-
214	Euclid Fuqua	132	May 6, 1937	327	-	-	-	244	51	35	b/	-
218	R. E. Pyeatt	194	July 30, 1937	343	26	34	60	305	47	26	b/	206
220	V. C. Marrs	130	July 29, 1937	295	41	39	16	275	47	17	b/	264
222	do.	96	do.	491	54	51	43	268	62	57	b/	347
223	John Clark	100	do.	340	46	43	20	256	62	43	b/	291
224	J. F. Clark	104	do.	315	32	44	25	268	54	28	b/	262
226	W. S. Cobb	79	May 20, 1937	-	-	-	-	-	55	26	b/	-
227	H. L. Cantrell	53	May 19, 1937	-	-	-	-	-	310	220	55	-
230	J. D. Reed	72	June 8, 1937	349	-	-	-	250	63	35	b/	-
231	Sam Morris	Spring	May 6, 1937	311	-	-	-	256	47	22	b/	-
232	do.	14	do.	464	-	-	-	366	78	34	b/	-
233	W. P. A. test	23	Mar. 17, 1937	622	-	-	-	354	62	156	b/	-
234	Harry Walton	130	May 6, 1937	-	-	-	-	-	43	14	b/	-
235	A. T. Lundegreen	140	Mar. 22, 1937	315	-	-	-	262	44	24	b/	-
236	J. R. Wrather	143	June 4	-	-	-	-	-	47	27	b/	-
237	T. M. Wheat	59	May 20, 1937	378	-	-	-	281	47	52	b/	-

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells in Potter County--Continued.

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (calculated)
242	F. M. Gentry	123	May 19, 1937	261	-	-	-	153	51	41	b/	-
243	G. H. Millican	148	May 20, 1937	-	-	-	-	-	39	28	b/	-
247	Mrs. S. Jackson	236	June 23, 1937	-	-	-	-	-	43	20	b/	-
254	R. Holding	240	June 22, 1937	334	44	32	42	329	36	18	b/	240
267	W. L. Bagwell	199	Aug. 6, 1937	357	19	55	38	281	43	49	b/	274
270	John Eoff	217	do.	337	52	23	41	256	82	13	b/	224
271	L. H. Albright	250	do.	332	55	29	26	262	82	11	b/	258
275	-- Sapp	183	Apr. 30, 1937	-	-	-	-	-	69	16	b/	-
276	W. P. A. test	56	May 25, 1937	223	-	-	-	232	16	7	b/	-
279	Bush Estate	167	Apr. 29, 1937	-	-	-	-	-	80	12	b/	-
286	do.	183	Apr. 6, 1937	314	-	-	-	256	55	17	b/	-
288	J. H. Bishop	177	Apr. 2, 1937	251	-	-	-	268	11	10	b/	-
289	W. P. A. test	53	Apr. 20, 1937	820	-	-	-	958	16	8	b/	-
292	Bush Estate	Spring	May 4, 1937	211	-	-	-	220	12	9	b/	-
295	W. P. A. test	7	May 26, 1937	194	-	-	-	183	28	3	b/	-
296	Jack Hall	Spring	May 4, 1937	-	-	-	-	-	39	13	b/	-
297	do.	70	do.	382	-	-	-	262	88	27	b/	-
298	Joe Brimer	60	Mar. 27, 1937	1,102	-	-	-	250	292	265	52	-
299	W. P. A. test	37	Mar. 22, 1937	383	-	-	-	232	70	60	b/	-
300	do.	7	Apr. 19, 1937	388	-	-	-	348	47	23	b/	-
302	Bush Estate	Spring	Apr. 2, 1937	221	-	-	-	220	20	8	b/	-
306	W. H. Bush	24	Mar. 26, 1937	-	-	-	-	-	48	32	b/	-
307	J. E. Bishop	29	do.	-	-	-	-	-	44	27	b/	-
308	Tom H. Etters	60	Mar. 20, 1937	537	-	-	-	403	82	58	b/	-
309	W. P. A. test	8	Mar. 18, 1937	691	-	-	-	634	62	53	b/	-
310	Bill Boghart	18	do.	766	-	-	-	433	186	94	b/	-
314	F. W. & D. Ry. Co.	31	Mar. 22, 1937	629	-	-	-	439	73	106	b/	-
315	W. P. A. test	31	Mar. 16, 1937	1,086	-	-	-	464	300	180	b/	-
318	do.	9	Mar. 12, 1937	1,407	-	-	-	756	369	169	b/	-
324	Miles G. Bivins	125	June 14, 1937	3,536	-	-	-	372	1,828	410	b/	-
326	W. H. Gray	105	Apr. 28, 1937	-	-	-	-	-	109	84	b/	-
332	W. P. A. test	32	Mar. 27, 1937	291	-	-	-	268	28	20	b/	-
334	Wayne McChristian Spring	Spring	Apr. 20, 1937	-	-	-	-	-	28	11	b/	-
335	W. P. A. test	21	May 10, 1937	281	-	-	-	281	32	4	b/	-

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (calculated)
339	J. A. Bush	55	Apr. 8, 1937	258	-	-	-	256	18	14	b/	-
341	do.	Spring	do.	-	-	-	-	-	28	13	b/	-
342	W. L. Campbell	200	Feb. 15, 1937	229	-	-	-	238	11	12	b/	-
343	John Blessen	213	Apr. 10, 1937	-	-	-	-	-	25	11	b/	-
346	W. J. Hill	195	Mar. 31, 1937	318	-	-	-	305	29	17	b/	-
348	Geo. Menke	266	Apr. 27, 1937	-	-	-	-	-	59	10	b/	-
349	Joe Gray	200	Apr. 7, 1937	260	-	-	-	244	29	12	b/	-
354	Cletus Rea	205	Mar. 30, 1937	275	-	-	-	268	29	9	b/	-
355	E. J. Ry. Co.	200	Feb. 15, 1937	316	-	-	-	293	40	12	b/	-
357	Bush Estate	210	Mar. 30, 1937	323	-	-	-	293	48	10	b/	-
358	U. S. Gov't	200	Apr. 10, 1937	267	-	-	-	250	25	17	b/	-
361	A. C. Seitz	200	Apr. 21, 1937	-	-	-	-	-	44	10	b/	-
366	J. M. Beasley	200	Apr. 27, 1937	-	-	-	-	-	22	17	b/	-

Partial analyses of water from lakes in Potter County, Texas

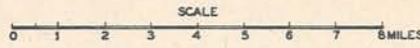
Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (calculated)
401	Bush Estate	20	May 15, 1937	99	-	-	-	92	16	1	b/	-
403	U. S. Gov't	10	June 15, 1937	156	-	-	-	159	12	6	b/	-
406	Fuqua Estate	-	June 4, 1937	247	-	-	-	153	62	22	b/	-
40P	H. R. Lytle	5	May 27, 1937	87	-	-	-	73	18	3	b/	-
410	Sam Morris	12	May 6, 1937	530	-	-	-	390	93	50	b/	-

b/ Nitrate less than 20 parts per million.



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



## -EXPLANATION-

- WELL WITH HANDPUMP 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
- ◻ TEST WELL DRILLED BY W.P.A. LABOR
- ◇ UNUSED WELL
- \* LOCATION WHERE STREAM OR LAKE WAS SAMPLED
- SPRING AND WINDMILL WITH SPRING
- ESCARPMENT
- SINK
- HILL
- EARTHEN TANK OR RESERVOIR
- IMPROVED ROAD
- UNIMPROVED ROAD



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

FIELD WORK BY  
L. C. SMYERS  
PROJECT SUPERINTENDENT  
W. P. A. PROJECT 5674

BASE COMPILED FROM  
LAND OFFICE, SOIL, AND TOPOGRAPHIC MAPS  
AND FIELD NOTES

