

TEXAS

STATE BOARD OF WATER ENGINEERS

C. S. Clark, Chairman

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FOARD COUNTY, TEXAS

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

Works Progress Administration Project 2090

Analyses made and report mimeographed by
WORKS PROGRESS ADMINISTRATION
Project 6507-5112

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

May 1, 1936

FOARD COUNTY, TEXAS

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 United States 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 by employees of this project.

The field work in Foard County was started in May and completed in October, 1936. This project was Project 2090 of District 12, of the Works Progress Administration, Wichita Falls, Texas. L. P. Huggins. was the project superintendent.

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

The test wells were drilled by W. P. A. labor. Samples were collected at one foot intervals by the well driller in charge of the party. The project superintendent compiled the logs.

Records of wells and springs in Foard County, Texas.
(See "Logs of W.P.A. test wells" for all records of test wells.)

No.	Distance from Crowell	Location in Section	Survey and Block	Owner	Date completed	Depth of well (ft.) a/	Diameter of well (in.)	Height of measuring point above ground (ft.) b/
e/ 1	18 miles northwest	NE corner sec. 49	T. & N.O. blk. A	Southland Life Insurance Co.	--	Spring	--	--
2	16 miles northwest	NE corner NW $\frac{1}{4}$	G.C. & S.F.	do.	--	Spring	--	--
e/ 3	do.	NW corner sec. 18	B.E.B. & C.	J. B. Easley	--	80-dr	6	--
4	19 miles northwest	Center S line SW $\frac{1}{4}$ sec. 93	T. & N.O. blk. A	H. H. Fish	--	140-dr	6	--
5	do.	Center NW $\frac{1}{4}$	Mrs. R.W. Tucker	H. Young	--	90-dr	6	1
e/ 6	18 miles northwest	NE corner	A. J. Tanner	A. J. Tanner	--	135-dr	6	1
7	do.	Center E line	T. E. Turner	A. L. Walling	--	154-dr	6	1.2
8	18 $\frac{1}{2}$ miles west	SW corner NW $\frac{1}{4}$ sec. 104	T. & N.O. blk. A	Kate Fish Est.	--	80-dr	6	1
9	17 miles west	SE corner SW $\frac{1}{4}$ sec. 105	do.	Allen Fish	--	102-dr	6	1
10	16 miles northwest	Center NE $\frac{1}{4}$ sec. 106	do.	E. T. Evans	--	100-dr	6	1
11	15 miles northwest	NE corner NW $\frac{1}{4}$ sec. 24	do.	R. N. Beatty	--	85-dr	6	1
12	do.	SE corner SW $\frac{1}{4}$ sec. 23	do.	J. B. Easley	--	90-dr	6	1
13	14 $\frac{1}{2}$ miles northwest	Center N line SW $\frac{1}{4}$ sec. 25	do.	J. M. Marr	--	87-dr	6	1
e/ 14	14 miles northwest	Center SE $\frac{1}{4}$ sec. 25	do.	R. S. Haskew	--	80-dr	6	1.2
15	13 $\frac{1}{2}$ miles northwest	SW corner NW $\frac{1}{4}$ sec. 26	do.	T. E. Turner	--	11	48	1
16	13 miles northwest	NW corner lot 4	T.T. 526	Artie Everson	--	62-dr	6	0.5
e/ 17	13 $\frac{1}{2}$ miles northwest	SW corner sec. 26	T. & N.O. blk. A	M. S. Henry, et al.	--	70-dr	6	0.5
e/ 18	14 miles northwest	SE corner sec. 24	do.	R. N. Beatty, Jr.	--	50-dr	6	1
19	13 $\frac{1}{2}$ miles northwest	SE corner lot 4	T.T.	Lucy Fish	--	34	48	1.5
20	do.	SE corner NE $\frac{1}{4}$ sec. 1	T. & N.O. blk. X	T. L. Burnett	--	42-dr	6	1
21	14 $\frac{1}{2}$ miles northwest	Center lot 3	T.T.	Lucy Fish	--	41-dr	6	0.3
e/ 22	15 miles west	Center NW $\frac{1}{4}$ sec. 16	T. & N.O. blk. X	T. L. Burnett	1936	4,299-dr	5-3/16	--
23	16 miles west	Near NW corner SW $\frac{1}{4}$ sec. 11	S.P. blk. L	do.	--	92-dr	6	1
e/ 24	do.	SW corner NE $\frac{1}{4}$ sec. 14	do.	do.	--	58-dr	6	1

a/ All wells are dug unless driven or drilled well is indicated by "dr" under "Depth."

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

c/ C, cylinder; W, windmill; H, hand; B, bucket or bailer; Cf, centrifugal; G, gasoline engine; E, electric motor.

Records obtained by L. F. Huggins, Project Superintendent.
(Chemical analyses of water from these wells and springs are in the table of analyses.)

No.	Water Level		Pump and power e/	Use of water d/	Remarks
	Depth below measuring point (feet)	Date of measurement			
1	Flows	June 1, 1936	None	S	Estimated flow: 100 gallons a minute from gypsum rock in river bank. Never fails.
2	Flows	June 20, 1936	None	S	Do.
3	70	May 11, 1936 f/	C,W	S	Iron casing, top to bottom, lower 10 feet perforated. Never fails. "Gyp" taste reported.
4	111	June 4, 1936	C,W	S	Reported no drawdown operating 24 hours pumping 4 gallons a minute.
5	70	do.	C,W	S	Galvanized iron casing. Reported no drawdown operating 24 hours pumping 4 gallons a minute.
6	127	do.	C,W	S	Do.
7	114	do.	C,W	S	Do.
8	68.2	do.	C,W	S	Do.
9	77	do.	C,W	S	Do.
10	93	do.	C,W	S	Galvanized iron casing. Reported 7 feet drawdown operating 1 hour pumping 4 gallons a minute.
11	71	May 11, 1936 f/	C,W	S	Galvanized iron casing. Reported no drawdown operating 24 hours pumping 4 gallons a minute.
12	75	May 11, 1936	C,W	S	Do.
13	79	June 4, 1936	C,W	S	Galvanized iron casing. Reported 5 feet drawdown operating 1 hour pumping 4 gallons a minute.
14	71	June 4, 1936 f/	C,W	S	Galvanized iron casing. Reported 7 feet drawdown operating 1 hour pumping 4 gallons a minute.
15	11	June 4, 1936	C,W	S	Galvanized iron casing. Never fails. "Gyp" taste reported.
16	52	May 11, 1936	C,W	S	Galvanized iron casing. Reported 10 feet drawdown operating 2 hours pumping 4 gallons a minute.
17	60	May 11, 1936 f/	C,W	S	Galvanized iron casing. Reported 10 feet drawdown operating 4 hours pumping 4 gallons a minute.
18	47	do.	C,W	S	Galvanized iron casing. Reported 3 feet drawdown operating 1 hour pumping 4 gallons a minute.
19	30.5	May 11, 1936	C,W	S	Wood curb; rock casing. Reported 3 feet drawdown operating $\frac{1}{2}$ hour pumping 4 gallons a minute.
20	17	June 4, 1936	C,W	S	Galvanized iron casing. Reported 20 feet drawdown operating 24 hours pumping 4 gallons a minute.
21	39.3	do.	C,W	S	Galvanized iron casing. Reported 2 feet drawdown operating $\frac{1}{2}$ hour pumping 4 gallons a minute.
22	--	--	None	N	Oil test. Drilled by The Humble Oil and Refining Company. See log.
23	74.5	June 8, 1936	C,W	S	Galvanized iron casing. Reported no drawdown pumping 24 hours. "Gyp" taste reported. Water in clay.
24	50	do.	C,W	S	Galvanized iron casing. Reported no drawdown operating 24 hours pumping 4 gallons a minute.

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

e/ No water sample collected for analysis.

f/ Water level reported.

Records of wells and springs in Foard County--Continued.

No.	Distance from Crowell	Location in Section	Survey and Block	Owner	Date completed	Depth of well (ft.) a/	Diameter of well (in.)	Height of measuring point above ground (ft.) b/
25	17 miles west	Near center sec. 23	S.P. blk. L	T. L. Burnett	--	116-dr	6	1
e/ 26	18 miles west	NE $\frac{1}{4}$ sec. 36	do.	Jessie H. Johnson	1933	3,571-dr	6-5/8	--
27	14 $\frac{1}{2}$ miles west	NE corner sec. 30	do.	F. L. Easley Est.	--	85-dr	6	1
e/ 28	13 $\frac{1}{2}$ miles west	Center SW $\frac{1}{4}$ sec. 3	T. & N.O. blk. X	Leslie McAdams	--	Spring	--	--
29	11 $\frac{1}{2}$ miles west	SE corner sec. 18	J. Poitevent	L. F. Weber	--	20	48	2
30	13 miles west	SW corner SE $\frac{1}{2}$ sec. 6	T. & N.O. blk. X	Hartley Easley	--	41	36	2
31	do.	Center SE $\frac{1}{4}$ sec. 6	do.	Mary I. McAdams	--	22	36	0.5
e/ 32	12 $\frac{1}{2}$ miles west	NW corner sec. 18	J. Poitevent	G. J. Benham	--	18	48	1
e/ 33	12 miles west	SW corner SE $\frac{1}{4}$ sec. 12	T. & N.O. blk. X	L. F. Weber	--	25	36	1
e/ 34	12 $\frac{1}{2}$ miles west	Center S $\frac{1}{2}$ sec. 11	do.	S. J. Lewis	1915	13	48	0
35	12 miles west	NE corner S $\frac{1}{2}$ sec. 12	do.	L. F. Weber	--	23	36	3
36	12 $\frac{1}{2}$ miles west	SW corner N $\frac{1}{2}$ sec. 13	do.	Caroline G. Crawford	--	26	48	1
e/ 37	10 $\frac{1}{2}$ miles west	Center NE $\frac{1}{4}$ sec. 35	S.P.	J. Rasberry	--	62-dr	6	1
38	do.	NW corner SW $\frac{1}{4}$ sec. 26	do.	T. W. Cooper	1920	62-dr	6	1
39	11 miles west	S line SE $\frac{1}{4}$ sec. 35	do.	Claudia Carter	--	46	36	1
40	10 miles west	SW corner sec. 27	do.	J. B. Rasberry Est.	1934	26	36	1
e/ 41	do.	SE corner SW $\frac{1}{4}$ sec. 27	do.	do.	--	23	48	--
e/ 42	6 miles northwest	NW $\frac{1}{4}$ sec. 518	H. & T.C. blk. A	J. J. McCoy	1926	3,915-dr	6-5/8	--
43	2 $\frac{3}{4}$ miles west	Center E line NE $\frac{1}{4}$ sec. 502	do.	S. E. Tate	--	33	36	3
44	2 $\frac{1}{2}$ miles west	Center NW $\frac{1}{4}$ sec. 483	do.	City of Crowell	--	14	120	3
45	2 $\frac{1}{4}$ miles west	SE corner SW $\frac{1}{4}$ sec. 482	do.	Emma C. Adams	--	36	48	--
e/ 46	2 miles northwest	NW corner NE $\frac{1}{4}$ sec. 483	do.	M. S. Flesher	--	39	48	3
47	1 $\frac{3}{4}$ miles northwest	NW corner NW $\frac{1}{4}$ sec. 464	do.	J. T. King	--	39	48	1
e/ 48	do.	SW corner sec. 465	do.	Joe Drabek	--	42	48	1.5
e/ 49	1 $\frac{1}{2}$ miles northwest	SE corner NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 464	do.	Agnes E. McLaughlin	--	35	48	2
50	do.	NW corner NE $\frac{1}{4}$ sec. 464	do.	L. M. Cates Est.	--	28	48	3
51	1 $\frac{3}{4}$ miles northwest	NE corner SW $\frac{1}{4}$ sec. 465	do.	S. E. Norris	--	32	48	3

L. P. Huggins, Project Superintendent.

No.	Water Level		Pump and power c/ d/	Use of water d/	Remarks
	Depth below measuring point (feet)	Date of measurement			
25	--	June 8, 1936	C,W	S	100 feet galvanized iron casing. Reported no draw-down operating 24 hours pumping 4 gallons a minute.
26	--	--	None	N	Oil test. Drilled by The Texas Company. See log.
27	81	June 8, 1936	C,W	S	40 feet galvanized iron casing. Reported no drawdown operating 4 hours pumping 2 gallons a minute.
28	Flows	June 4, 1936	None	S	Estimated flow: 500 gallons a minute from 6 openings along creek bank. Never fails.
29	17.5	Apr. 30, 1936	C,W	S	Rock curb; rock casing. Reported nearly fails in drought. "Gyp" taste reported.
30	39	do.	C,W	S	Wood curb; rock casing. Reported pumps dry in $\frac{1}{2}$ hour. Present water level same as in 1930.
31	21	do.	C,W	S	Wood curb; no casing. Reported no drawdown operating 24 hours pumping 4 gallons a minute.
32	15	do.	C,W	S	Rock curb; rock casing. Present water level same as in 1928. Water in 16 feet of blue shale rock.
33	--	do.	C,W	S	Rock curb; rock casing. Fails in summer. "Gyp" taste reported. Dry when observation made.
34	10	Apr. 30, 1936 f/	C,H	--	Reported 3 feet drawdown operating 6 hours pumping 4 gallons a minute. Water in gravel and clay.
35	20.5	Apr. 30, 1936	C,W	S	Concrete curb; no casing. Pumps dry in $\frac{1}{2}$ hour. Never fails. "Gyp" taste reported.
36	21	do.	B,H	S	Rock curb; rock casing. Never fails. Fairly good clear water reported.
37	59.5	do.	C,W	S	Galvanized iron casing. Reported 2 feet drawdown operating $\frac{1}{2}$ hour pumping 4 gallons a minute.
38	42	Apr. 30, 1936 f/	C,W	S	Galvanized iron casing. Reported 20 feet drawdown operating 4 hours pumping 4 gallons a minute.
39	40	Apr. 30, 1936	C,W	S	Wood curb; no casing. Reported 5 feet drawdown operating 1 hour pumping 4 gallons a minute.
40	22.2	do.	C,G	S	Iron curb; no casing. Reported pumps dry in $\frac{1}{2}$ hour. Present water level reported same as in 1934.
41	--	--	C,W	S	Wood curb; rock casing. Fails in summer. Dry when observed. "Gyp" taste reported.
42	--	--	None	N	Oil test. Drilled by The Texas Company. See log.
43	27.5	Apr. 30, 1936	B,H	S	Wood curb; no casing. "Gyp" taste reported.
44	8	do.	Cf,G	P	Concrete casing. Reported 6 feet drawdown operating 2 hours pumping 200 gallons a minute.
45	32	Apr. 15 1936	B,H	S	Concrete curb; brick casing. Never fails. "Gyp" taste reported.
46	32	do.	B,H	S	Brick curb; brick casing. Never fails. Fairly good clear water reported.
47	29	do.	C,W	S	Wood curb. Reported no drawdown operating 24 hours pumping 4 gallons a minute.
48	28	do.	C,W	S	Wood curb; no casing. Reported 10 feet drawdown operating 2 hours pumping 4 gallons a minute.
49	24.8	do.	C,W	S	Wood curb; no casing. Reported 10 feet drawdown operating 24 hours pumping 4 gallons a minute.
50	27	do.	B,H	S	Wood curb; rock casing. Never fails. "Gyp" taste reported.
51	30.5	do.	--	S	Wood curb; 17 feet rock casing at top. Never fails. "Gyp" taste reported.

Records of wells and springs in Ford County--Continued.

No.	Distance from Crowell	Location in Section	Survey and Block	Owner	Date completed	Depth of well (ft.) a/	Diameter of well (in.)	Height of measuring point above ground (ft.) b/
e/ 52	1 $\frac{3}{4}$ miles northwest	SE corner NW $\frac{1}{4}$ sec. 465	H. & T. C. blk. A	J. H. Cope	--	37-dr	6	1
e/ 53	do.	SW corner NE $\frac{1}{4}$ sec. 465	do.	W. I. Pachacek	--	18	48	--
54	2 $\frac{1}{2}$ miles northwest	NW corner NE $\frac{1}{4}$ sec. 465	do.	do.	--	16	36	0
e/ 55	2 miles northwest	Center S line NW $\frac{1}{4}$ sec. 465	do.	J. H. Cope	--	77-dr	6	1
58	3 miles northwest	SE corner NE $\frac{1}{4}$ sec. 503	do.	E. L. Ribble	--	21	48	2
60	4 $\frac{1}{2}$ miles northwest	SE corner NE $\frac{1}{4}$ sec. 505	do.	W. L. Pachacek	--	42	36	2.5
e/ 61	do.	Center NW $\frac{1}{4}$ sec. 480	do.	Emaline Carpenter	--	23	36	2.5
62	4 $\frac{1}{4}$ miles northwest	Center NE $\frac{1}{4}$ sec. 480	do.	Ida Gamble	--	26	48	--
63	5 miles northwest	SW corner NW $\frac{1}{4}$ sec. 479	do.	M. P. Kenner	--	32	36	2
e/ 64	do.	SE corner NE $\frac{1}{4}$ sec. 506	do.	W. W. Nichols	--	43	48	1
e/ 65	5 $\frac{1}{2}$ miles northwest	NE corner sec. 506	do.	do.	1936	9	36	--
66	6 $\frac{1}{2}$ miles northwest	Center W line S $\frac{1}{2}$ sec. 507	do.	J. R. Wanks	--	46	36	0.5
67	do.	NW corner S $\frac{1}{2}$ sec. 507	do.	do.	--	16	36	3
68	7 miles northwest	SE corner NW $\frac{1}{4}$ sec. 516	do.	W. J. Sparks Est.	--	44	36	1
e/ 69	do.	SE corner sec. 515	do.	Collie Clifford Est.	--	46	48	2
e/ 70	do.	Near S line SW $\frac{1}{4}$ sec. 508	do.	H. G. Teague Est.	--	15	36	--
e/ 73	8 $\frac{1}{2}$ miles northwest	NW corner sec. 509	do.	W. B. Johnson, et al.	--	46-dr	6	1.5
e/ 74	8 miles northwest	Center N line SW $\frac{1}{4}$ sec. 509	do.	do.	--	30-dr	6	1.5
75	7 $\frac{1}{2}$ miles north	SE corner SW $\frac{1}{4}$ sec. 476	do.	N. G. Nichols	--	35	36	1
76	7 miles north	NE corner sec. 477	do.	C. E. Gafford	1930	50	48	2
e/ 77	do.	SE corner SW $\frac{1}{4}$ sec. 471	do.	W. R. Tuttle	--	37	60	1.5
78	6 $\frac{1}{2}$ miles north	NE corner SW $\frac{1}{4}$ sec. 470	do.	N. G. Nichols	--	50	36	2
e/ 79	7 $\frac{1}{2}$ miles north	Center S line NW $\frac{1}{4}$ sec. 438	do.	F. A. Davis	--	36	48	2.5
80	do.	NE corner SW $\frac{1}{4}$ sec. 438	do.	do.	--	35	48	3
81	6 $\frac{1}{2}$ miles north	Center SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 439	do.	Tom Bursey	--	36	48	2.5
82	7 miles north	Center W line NW $\frac{1}{4}$ sec. 432	do.	L. A. Ingram	--	30	48	3
e/ 83	do.	NW corner sec. 432	do.	C. A. Powell	--	29	36	4

I. P. Fuggins, Project Superintendent.

No.	Water Level		Pump and power c/	Use of water d/	Remarks
	Depth below measuring point (feet)	Date of measurement			
52	28.5	Apr. 20, 1936	C,W	S	Galvanized iron casing, top to bottom. Lower 10 feet perforated. Strong supply.
53	14	Apr. 15, 1936 f/	B,H	S	No casing. Never fails. "Gyp" taste reported.
54	12	Apr. 15, 1936	--	S	Do.
55	46.5	do.	C,W	S	Galvanized casing. Reported 20 feet drawdown operating 6 hours pumping 2 gallons a minute.
58	19	do.	B,H	S	Wood curb; rock casing. Never fails. "Gyp" taste reported.
60	37	do.	C,W	S	Brick curb; brick casing. Reported 5 feet drawdown operating 2 hours pumping 4 gallons a minute.
61	21.5	do.	B,H	S	Concrete curb; no casing. Reported 1½ feet drawdown operating ½ hour pumping 2 gallons a minute.
62	23	do.	B,H	S	Wood curb; rock casing. Never fails. Fairly good water reported.
63	30	do.	C,W	S	Wood curb; rock casing. Reported 2 feet drawdown operating ½ hour pumping 4 gallons a minute.
64	34	do.	B,H	S	Brick curb; brick casing. Never fails. "Gyp" taste reported.
65	--	Apr. 21, 1936	--	D	Unfinished well. Reported water in sandrock at 9 feet.
66	41	do.	C,W	N	Wood curb; no casing. Reported turbid with sulphur taste unfit for drinking or stock water.
67	14.5	do.	B,H	D	Iron curb; no casing. Present water level reported same as in 1933.
68	32	do.	C,W	S	Brick curb; brick casing. "Gyp" taste reported. Present water level same as in 1930.
69	34	Apr. 21, 1936 f/	None	N	Wood curb; concrete casing. "Gyp" taste reported.
70	11	do.	B,H	S	No casing. Reported 4 feet drawdown operating 1 hour pumping 4 gallons a minute. "Gyp" taste reported.
73	37	June 19, 1936	None	N	8 feet 6 inch casing at top. Reported water too highly mineralized for domestic or stock use.
74	24	do.	None	N	Galvanized 6 inch casing. Never fails. Reported unused due to large content of gypsum.
75	26	Apr. 21, 1936	C,W	S	Wood curb; no casing. Reported 9 feet drawdown operating 1 hour pumping 6 gallons a minute.
76	38	do.	C,W	S	Wood curb; rock casing. Present water level reported same as in 1930. "Gyp" taste reported.
77	26	do.	C,H	S	Wood curb; no casing. Strong supply. Present water level reported same as in 1933.
78	23.5	May 21, 1936	C,W	D	Brick curb; brick casing. Reported 5 feet drawdown operating 1 hour pumping 4 gallons a minute.
79	29	June 19, 1936	None	N	Brick curb; brick casing. Never fails. "Gyp" taste reported.
80	25	do.	C,W	D	Brick curb; brick casing. Reported 8 feet drawdown operating 2 hours pumping 2 gallons a minute.
81	29	do.	B,H	D	Brick curb; brick casing. Never fails. "Gyp" taste reported.
82	27	Apr. 20, 1936	B,H	D	Wood curb; concrete casing. Reported 3 feet drawdown operating 1 hour pumping 6 gallons a minute.
83	25	do.	C,H	D	Galvanized iron curb; galvanized iron casing. Never fails. Reported pumps dry in 2 hours.

Records of wells and springs in Fcard County--Continued.

No.	Distance from Crowell	Location in Section	Survey and Block	Owner	Date completed	Depth of well (ft.) a/	Diameter of well (in.)	Height of measuring point above ground (ft.) b/
e/ 85	7½ miles north	Near SE corner SW¼ sec. 433	H. & T. C. blk. A	O. I. Davis	--	22	36	2.5
86	7 miles north	NW corner NE¼ sec. 432	do.	C. L. Klepper	--	22	36	4
e/ 88	7½ miles north	SW corner sec. 400	do.	W. F. Kirkpatrick	--	43	36	1
e/ 89	7 miles north	Near center W½	S. Habermacher	Julia W. Thompson	--	23	36	--
e/ 90	do.	NE corner S½	A. A. Robinson	M. T. Rhinehart	--	40	36	1
e/ 91	do.	SW corner NE¼ sec. 432	H. & T. C. blk. A	Julia W. Thompson	1936	45	36	--
c/ 92	6½ miles north	NW corner SE¼ sec. 432	do.	S. J. Pergeson	--	45	36	--
e/ 94	6 miles north	Center N line NE¼ sec. 431	do.	C. D. Mullins	--	32	36	--
95	5½ miles north	NW corner SE¼ sec. 431	do.	S. P. Middlebrook	--	19	36	3
96	do.	SW corner NW¼ sec. 431	do.	Joe F. Hrabal	--	41	72	1
97	6 miles north	Center S line SW¼ sec. 432	do.	F. F. Machac	1907	37	36	0.5
e/ 98	do.	SE corner sec. 439	do.	Joe Halencak	1918	28	36	1
99	do.	SW corner SE¼ sec. 439	do.	A. A. Slovak	1917	45	48	3
101	5½ miles north	SW corner SE¼ sec. 478	do.	H. Bursey	--	34	36	2
102	5 miles north	SE corner S½ sec. 470	do.	H. Schindler	--	26	36	2
e/103	4½ miles north	SW¼ corner sec. 468	do.	J. A. White	--	26	48	2
105	do.	Center S line SE¼ sec. 468	do.	do.	--	23	48	2
e/107	3½ miles north	Center SE¼ SE¼ sec. 467	do.	J. W. Klepper	--	23	48	3
108	3 miles north	NE corner sec. 466	do.	C. V. Ketchersid	--	32	36	2
109	2½ miles north	SW corner NE¼ sec. 443	do.	Jessie F. Atkinson	--	10	48	2
110	2¼ miles north	Center E line SW¼ sec. 443	do.	H. K. Edwards	--	10	36	2
111	2 miles north	SE corner sec. 466	do.	J. A. Wright Est.	--	19	48	--
e/112	1½ miles north	Center S line W½ SW¼ sec. 428	do.	Carl Zeibig	--	43- dr	6	1
113	do.	NW corner SW¼ sec. 428	do.	do.	--	42	48	3
e/114	2 miles north	SE corner sec. 443	do.	J. D. Wright	--	40- dr	6	1
e/115	do.	SW corner sec. 428	do.	Carl Zeibig	--	54- dr	6	1
2/116	1½ miles north	SE corner NE¼ sec. 444	do.	M. A. Crawford	--	34	48	3

I. P. Huggins, Project Superintendent.

No.	Water Level		Pump and power c/	Use of water d/	Remarks
	Depth below measuring point (feet)	Date of measurement			
85	20.5	Apr. 20, 1936	C, W	D	Brick curb; galvanized iron casing. Present water level reported same as in 1916. Pumps dry in 1 hour.
86	17.5	do.	B, F	D	Wood curb; concrete casing. Never fails. Fairly good clear water reported.
88	30.5	do.	B, H	S	Do.
89	22	Apr. 20, 1936 f/	B, H	S	Galvanized iron casing. Present water level reported same as in 1934. Reported bails dry in $\frac{1}{2}$ hour.
90	38	Apr. 20, 1936	B, H	S	Concrete curb; concrete casing. Never fails. "Gyp" taste reported.
91	41.5	Apr. 20, 1936 f/	B, F	D	Concrete casing. Reported bails dry in 2 hours. Water in clay at 45 feet.
92	44	do.	B, H	D	No casing. Water level reported 37 feet in 1932.
94	30	Apr. 21, 1936 f/	C, W	D	No casing. Present water level reported same as in 1930. Pumps dry in 2 hours.
95	18	Apr. 20, 1936	B, H	D	Wood curb; brick casing. Reported 1 foot drawdown operating $\frac{1}{2}$ hour pumping 4 gallons a minute.
96	36	Apr. 21, 1936	C, W	D	Wood curb; no casing. Reported 4 feet drawdown operating 1 hour pumping 6 gallons a minute.
97	33	Apr. 20, 1936	C, H	S	Wood curb; galvanized iron casing. Reported water level rose to 15 feet in 1919 then dropped to 33 feet.
98	25.5	Apr. 21, 1936	C, H	D	Wood curb; galvanized iron casing. Present water level reported same as in 1918. Water in sand rock.
99	42.5	do.	C, W	D	Wood curb; no casing. Present water level reported same as in 1927. Reported levels: 1919, 23 feet; 1922, 40 feet; 1925, 25 feet. Pumps dry in 1 hour.
101	31.5	do.	C, W	S	Brick curb; no casing. Reported 2 feet drawdown operating 1 hour pumping 6 gallons a minute.
102	22	do.	C, W	S	Wood curb; no casing. Reported 4 feet drawdown operating 2 hours pumping 6 gallons a minute.
103	21.5	Apr. 15, 1936	C, W	S	Brick curb; no casing. Reported 4 feet drawdown operating 2 hours pumping 2 gallons a minute.
105	20	do.	C, W	S	Wood curb; rock casing. Reported 2 feet drawdown operating 1 hour pumping 4 gallons a minute.
107	20.5	do.	B, H	S	Wood curb; no casing. Never fails. "Gyp" taste reported.
108	29	do.	C, W	S	Wood curb; rock casing. Reported 2 feet drawdown operating 1 hour pumping 4 gallons a minute.
109	7.7	do.	C, W	S	Rock curb; rock casing. Never fails. Reported pumps dry in 1 hour.
110	7	May 15, 1936	B, H	D	Brick curb; brick casing. Never fails. Fairly good clear water reported.
111	13	Apr. 15, 1936	C, W	S	Wood curb; rock casing. Reported 5 feet drawdown operating 2 hours pumping 4 gallons a minute.
112	38	do.	B, H	S	6 inch galvanized casing. Never fails. "Gyp" taste reported.
113	40.5	Apr. 23, 1936	C, W	S	Concrete curb; concrete casing. Reported pumps dry in $1\frac{1}{2}$ hours. Never fails. "Gyp" taste reported.
114	38	do.	B, H	S	Galvanized 6 inch casing. Never fails. "Gyp" taste reported.
115	38	do.	C, W	S	20 feet galvanized 6 inch casing. Reported 15 feet drawdown operating 1 hour pumping 4 gallons a minute.
116	34	do.	B, H	S	Galvanized iron curb and casing. Never fails. "Gyp" taste reported.

Records of wells and springs in Foard County--Continued.

No.	Distance from Crowell	Location in Section	Survey and Block	Owner	Date completed	Depth of well (ft.) a/	Diameter of well (in.)	Height of measuring point above ground (ft.) b/
117	1 mile northeast	SE corner sec. 444	H. & T. C. blk. A	W. M. Goodwin	--	24	48	3
e/119	1 $\frac{3}{4}$ miles northeast	SE corner NW $\frac{1}{4}$ sec. 427	do.	E. S. Gafford	--	43	48	1.5
e/120	2 miles northeast	Center S line NE $\frac{1}{4}$ sec. 427	do.	J. L. Sollis	--	45	48	3
122	2 $\frac{3}{4}$ miles northeast	Center N line SE $\frac{1}{4}$ sec. 423	do.	H. R. Zeibig	--	46	48	3
e/123	3 miles northeast	SE corner NE $\frac{1}{4}$ sec. 428	do.	Geo. L. Hines	--	39-dr	6	1
124	1 $\frac{3}{4}$ miles northeast	Center W line SW $\frac{1}{4}$ sec. 405	do.	W. A. Patton	--	28	36	3
e/125	2 $\frac{1}{2}$ miles northeast	NW corner sec. 406	do.	Mrs. J. W. Farris	--	26	48	2
e/127	3 $\frac{3}{4}$ miles northeast	SW corner NW $\frac{1}{4}$ sec. 390	do.	W. F. Maloney	--	20	36	2.5
e/129	3 $\frac{1}{2}$ miles northeast	SW corner NW $\frac{1}{4}$ sec. 405	do.	C. W. Harrell	--	38	48	--
130	3 $\frac{1}{4}$ miles northeast	Center NW $\frac{1}{4}$ sec. 405	do.	do.	--	49	48	3
131	3 $\frac{1}{2}$ miles northeast	SW corner sec. 404	do.	F. B. Flesher	--	48	36	4
e/132	4 $\frac{3}{4}$ miles northeast	SW corner sec. 392	do.	John L. Hunter	--	32	48	3
133	5 miles northeast	Center S line SW $\frac{1}{4}$ sec. 392	do.	do.	--	42-dr	6	2
134	5 $\frac{1}{2}$ miles northeast	SE corner sec. 392	do.	do.	--	19	36	1
e/135	6 miles northeast	SE corner SW $\frac{1}{4}$ sec. 393	do.	G. T. Lanier	--	16	36	3
136	do.	Center S $\frac{1}{2}$ sec. 402	do.	T. J. Priest Est.	--	19	36	2
e/137	6 $\frac{1}{2}$ miles northeast	Center SE $\frac{1}{4}$ sec. 393	do.	W. S. Carter	--	17	36	4
138	7 miles northeast	Center E line SE $\frac{1}{4}$ sec. 364	do.	S. B. Middlebrook	--	19	36	2
e/139	7 $\frac{1}{2}$ miles northeast	Near NE corner sec. 364	do.	C. E. Haseloff	--	46	36	1
140	do.	NW corner sec. 355	do.	do.	--	35	36	1.5
e/141	do.	Center NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 364	do.	do.	--	17	36	2
142	do.	SE corner sec. 363	do.	I. W. Middlebrook	--	26	36	2
143	do.	NE corner SW $\frac{1}{4}$ sec. 363	do.	J. F. Russell	1935	44	36	2
e/144	8 miles northeast	Center SW $\frac{1}{4}$ sec. 356	do.	C. H. White	--	23	36	2
145	8 $\frac{1}{2}$ miles northeast	NW corner SE $\frac{1}{4}$ sec. 356	do.	W. T. Durn	--	26	36	2

a/ All wells are dug unless driven or drilled well is indicated by "dr" under "Depth."
b/ Measuring point was usually top of casing, top of pump case, or top of well curb.
c/ C, cylinder; W, windmill; H, hand; B, bucket or bailer; Cf, centrifugal; G, gaso-
line engine; E, electric motor.

L. P. Huggins, Project Superintendent.

No.	Water Level		Pump and power <u>c/</u>	Use of water <u>d/</u>	Remarks
	Depth below measuring point (feet)	Date of measurement			
117	18.5	Apr. 24, 1936	C,F	S	Concrete curb; rock casing. Reported 5 feet drawdown operating 2 hours pumping 2 gallons a minute.
119	26.5	do.	E,H	S	Concrete curb; rock casing. Never fails. "Gyp" taste reported.
120	33.5	do.	C,W	S	Concrete curb; brick casing. Reported 10 feet drawdown operating 2 hours pumping 4 gallons a minute.
122	41.2	Apr. 23, 1936	C,W	S	Wood curb; brick casing. Reported 4 feet drawdown operating 2 hours pumping 4 gallons a minute.
123	37	do.	C,W	S	Galvanized 6 inch casing. Present water level reported same as in 1933. "Gyp" taste reported.
124	26	do.	E,H	S	Galvanized iron casing. Never fails. "Gyp" taste reported.
125	23	do.	C,W	S	Brick casing. Reported 3 feet drawdown operating 1 hour pumping 4 gallons a minute.
127	--	do.	None	S	Wood curb; brick casing. Present water level reported same as in 1930.
129	36	do.	E,F	D	Concrete curb; no casing. Never fails. Fairly good clear water reported.
130	48	do.	B,F	N	Brick curb; no casing. Nearly fails in drought. "Gyp" taste reported.
131	45	do.	C,W	S	Concrete curb; concrete casing. Reported 3 feet drawdown operating $\frac{1}{2}$ hour pumping 4 gallons a minute.
132	--	do.	None	N	Concrete curb; no casing. Never fails. Fairly good clear water reported.
133	28	do.	C,W	S	Galvanized 6 inch casing. "Gyp" taste reported. Water at 33 feet in 42 feet stratum of clay.
134	14.5	do.	C,W	S	Wood curb; rock casing. Present water level reported same as in 1930. "Gyp" taste reported.
135	15	Apr. 20, 1936	B,H	S	Concrete curb; no casing. Never fails. "Gyp" taste reported.
136	15	do.	B,H	S	Wood curb; no casing. Reported average water level constant since 1934. "Gyp" taste reported.
137	12.2	do.	B,H	S	Cement curb; cement casing. Never fails. "Gyp" taste reported.
138	10.6	do.	C,W	S	Concrete curb; cement casing. Reported no drawdown operating 24 hours pumping 4 gallons a minute.
139	12	do.	None	N	Cement curb; brick casing. "Gyp" taste reported.
140	32	do.	C,W	D	Wood curb; brick casing. Reported pumps dry in 1 hour. Reported average water level constant since 1929.
141	9.5	do.	C,W	S	Concrete curb; brick casing. Reported pumps dry in 1 hour. Never fails.
142	22.5	do.	C,W	D	Concrete curb; brick casing. Reported average water level constant since 1922.
143	37	do.	B,H	D	Wood curb; wood casing. Weak supply. Taste reported fairly good. Water clear.
144	21	Apr. 20, 1936 <u>f/</u>	C,W	D	Concrete curb; concrete casing. Reported average water level constant since 1930. Pumps dry in 2 hours
145	23	Apr. 20, 1936	C,W	D	Wood curb; concrete casing. No drawdown reported operating 24 hours pumping 6 gallons a minute.

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

e/ No water sample collected for analysis.

f/ Water level reported.

Records of wells and springs in Foard County--Continued.

No.	Distance from Crowell	Location in Section	Survey and Block	Owner	Date completed	Depth of well (ft.) a/	Diameter of well (in.)	Height of measuring point above ground (ft.) b/
e/146	8 miles northeast	NW corner NE $\frac{1}{4}$ sec. 355	H. & T.C. blk. A	M. S. Henry	--	24	36	1.5
e/147	do.	SE corner sec. 356	do.	W. T. Bledsoe	--	23	36	3
e/148	do.	NE corner sec. 355	do.	H. Schindler	--	23	36	4
e/149	9 miles northeast	SE corner NW $\frac{1}{4}$ sec. 325	do.	W. T. Dunn	--	30	36	3
e/149a	9 $\frac{1}{2}$ miles northeast	SW corner SE $\frac{1}{4}$ sec. 324	do.	Earl Bledsoe	--	Spring	--	--
e/150	9 miles northeast	SW corner NE $\frac{1}{4}$ sec. 325	do.	W. A. Dunn	--	24	36	3
e/151	9 $\frac{1}{2}$ miles northeast	Near center SE $\frac{1}{4}$ sec. 318	do.	P. D. Chaney	--	14	36	1
e/152	do.	Near SW corner SE $\frac{1}{4}$ sec. 318	do.	do.	--	34	48	0
153	10 miles northeast	1,000 feet SE NW corner	M. B. Lewis	T. B. Graham	--	22	36	2.5
154	do.	SW corner NW $\frac{1}{4}$	do.	J. I. Malone	--	23	36	3
e/155	9 $\frac{1}{2}$ miles northeast	Near SW corner NW $\frac{1}{4}$	do.	Curtis Beatty	--	26	36	2
e/156	do.	Center S line W $\frac{1}{2}$ SW $\frac{1}{4}$	do.	Lizzie Kincaid	--	33	36	2
e/157	9 miles northeast	NW corner sec. 289	H. & T.C. blk. A	L. C. Jones	--	25	36	2
158	do.	SE corner W $\frac{1}{2}$	M. B. Lewis	L. Kempf	--	41-dr	6	3
159	9 $\frac{1}{2}$ miles northeast	Near center	do.	do.	--	30	36	3
160	9 miles northeast	NW corner SE $\frac{1}{4}$ sec. 317	H. & T.C. blk. A	Mary A. Wesley	--	24	36	3
161	do.	Near center NW $\frac{1}{4}$ sec. 317	do.	do.	--	20	36	3
e/162	do.	Center N line NW $\frac{1}{4}$ sec. 317	do.	W. A. Dunn	--	18	36	2.5
163	8 $\frac{1}{2}$ miles northeast	Center NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 326	do.	Joe L. Orr	--	21	36	0.5
164	do.	NE corner SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 317	do.	John Wesley	--	14	36	4
e/165	do.	NW corner sec. 316	do.	Bob Thomas	--	42	36	2
e/166	do.	Near SE corner sec. 316	do.	J. S. Smith	--	33	36	3
167	8 miles northeast	SW corner SE $\frac{1}{4}$ sec. 326	do.	do.	--	19	36	2.5
168	do.	SE corner NW $\frac{1}{4}$ sec. 326	do.	M. W. Mahoney	--	24	36	3
169	7 $\frac{1}{2}$ miles northeast	Center N line NW $\frac{1}{4}$ sec. 327	do.	M. A. Crawford	--	21	36	1.5
e/170	do.	SW corner sec. 326	do.	J. D. Wright	--	22	36	2
171	do.	SE corner sec. 355	do.	do.	--	27	36	2

L. P. Higgins, Project Superintendent.

No.	Water Level		Pump and power c/	Use of water d/	Remarks
	Depth below measuring point (feet)	Date of measurement			
146	21.5	Apr. 20, 1936	B,F	D	Wood curb; concrete casing. Reported bails dry in 1 hour. Never fails.
147	21	do.	E,H	D	Wood curb; galvanized iron casing. Reported bails dry in 1/2 hour. Never fails.
148	21	do.	B,F	D	Galvanized iron curb and casing. Reported bails dry in 1 hour. Never fails.
149	22	Apr. 20, 1936 f/	C,W	D	Concrete curb and casing. No drawdown reported pumping 6 gallons a minute for 24 hours.
149a	Flows	May 4, 1936	None	S	Estimated flow: 55 gallons a minute from gravel and sand along river bank. Spring nearby reported flows
150	21	Apr. 20, 1936	C,W	D	Concrete curb; no casing. No drawdown reported pumping 4 gallons a minute for 24 hours.
151	8.5	May 4, 1936	B,H	D	Wood curb; no casing. Never fails. Taste reported fairly good. Water clear.
152	34	do.	None	D	Well not completed. Reported log: 4 feet surface sand, 30 feet clay, water at 34 feet.
153	18.5	do.	B,H	D	Wood curb; no casing. Never fails. Taste reported fair. Water clear.
154	19	do.	B,H	--	Concrete curb; concrete casing. Never fails. Taste reported fair. Water clear.
155	22.0	do.	B,H	S	Galvanized iron curb and casing. Never fails. Taste reported fair. Water clear.
156	30.6	do.	B,H	D	Concrete curb and casing. Never fails. Taste reported fair. Water clear.
157	11.5	do.	B,F	D	Galvanized iron curb; no casing. Never fails. Taste reported fair. Water clear.
158	20	do.	C,W	S	Galvanized 6 inch casing. Reported 20 feet drawdown operating 2 hours pumping 4 gallons a minute.
159	25	Apr. 20, 1936	B,H	D	Concrete curb and casing. Never fails. Taste reported fair. Water clear.
160	21.5	do.	B,F	D	Do.
161	16	do.	B,H	D	Concrete curb and casing. Reported average water level constant since 1930.
162	15	do.	C,W	D	Concrete curb and casing. No drawdown reported pumping 6 gallons a minute for 24 hours.
163	17	Apr. 20, 1936 f/	C,W	D	Wood curb; rock casing. Reported water level lowered from 10 feet to 17 feet in 1930. Average constant
164	9	Apr. 20, 1936	C,W	D	Concrete curb and casing. Reported pumps dry in 5 hours. Never fails.
165	30	Apr. 20, 1936 f/	B,H	S	Concrete curb; corrugated iron casing. Reported 12 feet drawdown operating 2 hours pumping 6 gallons a
166	28.2	Apr. 20, 1936	B,H	D	Concrete curb; brick casing. Never fails. Taste reported fair. Water clear.
167	15	do.	C,W	S	Wood curb and casing. Reported pumps dry in 2 hours. Never fails. "Gyp" taste reported.
168	21	do.	B,H	D	Concrete curb and casing. Never fails. Taste reported fair. Water clear.
169	18	do.	C,W	D	Galvanized iron curb and casing. Reported pumps dry in 3 hours. Never fails.
170	20	do.	B,H	S	Concrete curb and casing. Never fails. Reported bails dry in 1 hour.
171	19	do.	C,W	S	Wood curb and casing. Reported 6 feet drawdown operating 2 hours pumping 4 gallons a minute.

Records of wells and springs in Foard County--Continued.

No.	Distance from Crowell	Location in Section	Survey and Block	Owner	Date completed	Depth of well (ft.) a/	Diameter of well (in.)	Height of measuring point above ground (ft.) b/
172	7 miles northeast	SE corner SW $\frac{1}{4}$ sec. 355	H. & T. C. blk. A	Quanah Cotton Oil Co.	--	29	36	2.5
e/173	do.	Near NE corner NW $\frac{1}{4}$ sec. 354	do.	H. L. Muesse	--	27	36	2
e/174	7 $\frac{1}{2}$ miles northeast	SW corner NW $\frac{1}{4}$ sec. 327	do.	R. T. Owens Est.	--	29	36	1
175	do.	SW corner sec. 316	do.	H. Fergeson	--	22	36	2
e/176	do.	NW corner NE $\frac{1}{4}$ sec. 328	do.	G. A. Shultz	--	31	36	2
177	7 miles northeast	NW corner NW $\frac{1}{4}$ sec. 328	do.	W. L. Smith	--	20	36	3
178	do.	Center E line SE $\frac{1}{4}$ sec. 354	do.	W. Ingle	--	21	36	2
179	6 $\frac{3}{8}$ miles northeast	NW corner NE $\frac{1}{4}$ sec. 353	do.	J. C. Hysinger	--	23	36	3
180	do.	NE corner SW $\frac{1}{4}$ sec. 353	do.	do.	--	17	36	1.5
e/181	6 miles northeast	SW corner SE $\frac{1}{4}$ sec. 365	do.	Mary E. Hunter	--	29	48	4
182	5 $\frac{1}{2}$ miles northeast	Near NW corner NE $\frac{1}{4}$ sec. 366	do.	Fergeson Bros.	--	30	36	3
e/183	do.	NE corner sec. 352	do.	Lizzie C. Muesse	--	19	36	3
e/184	do.	Near NE corner SW $\frac{1}{4}$ sec. 352	do.	do.	1926	3,180- dr	6-5/8	--
e/185	5 miles northeast	Center N line NE $\frac{1}{4}$ sec. 367	do.	Fred Reithmeyer	--	28	36	3
186	do.	SE corner SW $\frac{1}{4}$ sec. 366	do.	Sam T. Crews	--	26	36	2
e/187	4 $\frac{1}{2}$ miles northeast	NE corner sec. 390	do.	M. E. Welch	--	28	48	1
188	4 $\frac{3}{4}$ miles northeast	Center SE $\frac{1}{4}$ sec. 367	do.	Fred Reithmeyer	--	19	36	3
e/189	5 miles northeast	600 feet NW SE corner sec. 367	do.	do.	--	23	36	3
190	do.	SE corner sec. 367	do.	do.	--	29	36	2.5
191	4 $\frac{1}{4}$ miles northeast	SW corner sec. 367	do.	H. Gloyna	--	27	36	3
192	3 $\frac{1}{4}$ miles northeast	SW corner sec. 390	do.	J. L. Sollis	--	41- dr	6	1
e/193	3 $\frac{3}{4}$ miles east	Center N line SE $\frac{1}{4}$	D. D. Palmer	Ray Hysinger	--	18	36	3
194	3 $\frac{1}{2}$ miles east	Near center	do.	Mary H. Goodfellow	--	22	36	3
e/195	do.	Near center W line SE $\frac{1}{4}$	do.	H. K. Campbell	--	27- dr	6	1.5
e/196	3 miles east	NE corner SW $\frac{1}{4}$	do.	O. B. Davis	--	35- dr	6	3
197	3 $\frac{1}{4}$ miles east	Near NE corner SW $\frac{1}{4}$	do.	S. M. Whitfield	--	25	36	2.5
e/198	3 miles east	Near center N line SW $\frac{1}{4}$	do.	Kittie Whitfield	--	24	36	1.5

L. P. Huggins, Project Superintendent.

No.	Water Level		Pump and power c/ d/	Use of water d/	Remarks
	Depth below measuring point (feet)	Date of measurement			
172	17	May 4, 1936	C,G	Ind	Iron curb and casing. Reported 10 feet drawdown operating 2 hours pumping 4 gallons a minute.
173	18	Apr. 20, 1936	C,W	S	Concrete curb; wood casing. Reported pumps dry in 2 hours. Average water level reported constant since
174	13	Apr. 24, 1936	C,W	S	Brick curb and casing. No drawdown reported 1950. pumping 4 gallons a minute for 24 hours.
175	20	do.	B,H	D	Wood curb; rock casing. Never fails. Average water level reported constant since 1933.
176	29	do.	C,W	S	Concrete curb; brick casing. Never fails. Reported pumps dry in 1 hour. "Gyp" taste reported.
177	13	Apr. 23, 1936	B,H	S	Concrete curb; no casing. Never fails. Reported bails dry in $\frac{1}{2}$ hour. "Gyp" taste reported.
178	15	Apr. 20, 1936	B,F	S	Concrete curb; brick casing. Reported no drawdown constant pumping. Average water level same as in 1930.
179	18.5	Apr. 24, 1936	C,W	S	Brick curb and casing. Never fails. Reported pumps dry in 6 hours. "Gyp" taste reported.
180	11	do.	B,F	S	Brick curb and casing. Weak supply. Never fails. "Gyp" taste reported.
181	19	Apr. 23, 1936	B,H	D	Brick curb; rock casing. Never fails. "Gyp" taste reported.
182	20	do.	B,H	D,S	Wood curb; brick casing. Nearly fails in drought. "Gyp" taste reported.
183	8.5	Apr. 24, 1936	B,F	S	Wood curb and casing. Present water level reported same as in 1930. "Gyp" taste reported.
184	--	--	None	N	Oil test. Drilled by G. C. Woods. See log.
185	21	Apr. 23, 1936	B,H	S	Brick curb and casing. Never fails. "Gyp" taste reported.
186	15.8	do.	C,W	S	Brick curb and casing. Reported pumps dry in 2 hours. Never fails. "Gyp" taste reported.
187	15.5	do.	C,W	S	Galvanized iron curb and casing. Reported 10 feet drawdown operating 2 hours pumping 4 gallons a minute.
188	13.5	do.	C,W	S	Brick curb and casing. Nearly fails in drought. Reported pumps dry in 2 hours. "Gyp" taste reported.
189	15	do.	C,W	S	Concrete curb; brick casing. Never fails. Reported pumps dry in 2 hours. "Gyp" taste reported.
190	17	do.	B,F	S	Concrete curb; brick casing. Never fails. "Gyp" taste reported.
191	20	do.	C,W	S	Concrete curb and casing. Never fails. "Gyp" taste reported.
192	27	do.	C,W	S	Galvanized 6 inch casing. No drawdown reported pumping constantly. "Gyp" taste reported.
193	13	do.	B,F	S	Wood curb; no casing. Never fails. "Gyp" taste reported.
194	16	do.	B,H	S	Concrete curb; brick casing. Never fails. "Gyp" taste reported.
195	18.5	do.	C,W	S	Galvanized 6 inch casing. Nearly fails in drought. Reported pumps dry in 2 hours.
196	26	do.	C,W	S	Galvanized 6 inch casing. Never fails. Reported pumps dry in 2 hours.
197	19	do.	B,H	D	Brick curb and casing. Average water level reported same as in 1935.
198	15	do.	B,H	S	Brick curb and casing. Reported water under 1 foot sand rock at 24 feet. Pails dry in 1 hour. Present water level same as in 1930.

Records of wells and springs in Foard County--Continued.

No.	Distance from Crowell	Location in Section	Survey and Block	Owner	Date completed	Depth of well (ft.) a/	Diameter of well (in.)	Height of measuring point above ground (ft.) b/
199	2 $\frac{3}{4}$ miles east	Near NW corner SW $\frac{1}{4}$	D.D. Palmer	Kittie Whitfield	--	37	36	3
200	2 $\frac{1}{2}$ miles northeast	SE corner NE $\frac{1}{4}$ sec. 406	H. & T.C. blk. A	L. D. Fox	--	26	36	--
e/201	2 miles northeast	SW corner sec. 406	do.	M. F. Meadors	--	37	48	3
202	1 $\frac{3}{4}$ miles east	SW corner NW $\frac{1}{4}$ sec. 407	do.	C. P. Sandifer	--	17	36	1.5
e/203	1 $\frac{1}{2}$ miles east	Center E line SE $\frac{1}{4}$ sec. 426	do.	W. B. Mopp	--	19	48	2
e/204	1 $\frac{3}{4}$ miles east	Center W line SW $\frac{1}{4}$ sec. 407	do.	Rosa Garrett	--	19	48	1.5
205	2 miles east	Center S line SE $\frac{1}{4}$ sec. 407	do.	L. D. Campbell	--	32	48	3
e/206	4 $\frac{1}{4}$ miles east	Near NW corner sec. 369	do.	R. W. Pauley	--	34	36	3
e/207	4 $\frac{1}{2}$ miles east	Near center S $\frac{1}{2}$ sec. 368	do.	Cora Sandifer	--	23	36	--
e/208	5 miles east	Center S line NW $\frac{1}{4}$ sec. 351	do.	Lilly B. Whitson, et al.	--	25	48	3
e/209	6 miles east	NW corner sec. 330	do.	L. Lindsey	--	33	48	3
e/210	8 miles east	NE corner sec. 313	do.	E. M. Gamble	--	24	36	3
e/211	8 $\frac{1}{2}$ miles east	SW corner SE $\frac{1}{4}$ sec. 290	do.	E. D. Owens	--	25	48	2
e/212	do.	NE corner NW $\frac{1}{4}$ sec. 291	do.	D. M. Shultz	--	28	48	2
e/213	do.	SE corner SW $\frac{1}{4}$ sec. 290	do.	do.	--	27	48	2
214	8 miles east	NE corner sec. 291	do.	do.	1901	27	48	3
215	8 miles northeast	SE corner sec. 315	do.	T. D. Edwards	--	26	48	3
216	7 $\frac{1}{2}$ miles northeast	NE corner NW $\frac{1}{4}$ sec. 314	do.	Mrs. Belle Allee	--	26	--	1
e/217	8 miles northeast	SE corner NE $\frac{1}{4}$ sec. 315	do.	Novella Woods, et al.	--	23	36	3
218	do.	Near NE corner NW $\frac{1}{4}$ sec. 315	do.	A. L. McGinnis	--	22	36	3
219	do.	SE corner SW $\frac{1}{4}$ sec. 316	do.	W. R. Russell	--	15	36	2
e/220	do.	NW corner NE $\frac{1}{4}$ sec. 315	do.	Novella Woods, et al.	--	27	36	3
221	8 $\frac{1}{2}$ miles northeast	SE corner sec. 316	do.	J. L. Short	--	21	36	3
222	do.	Near center sec. 316	do.	J. S. Smith	--	31	36	3
e/223	9 miles northeast	Near center E line NE $\frac{1}{4}$ sec. 316	do.	J. B. R. Fox Est.	--	35	36	2
e/224	8 $\frac{1}{2}$ miles northeast	NW corner NW $\frac{1}{4}$ sec. 290	do.	V. A. McGinnis	--	50	36	3
e/225	do.	SE corner NW $\frac{1}{4}$ sec. 290	do.	do.	--	34	36	2

L. P. Huggins, Project Superintendent.

No.	Water Level		Pump and power <u>c/</u>	Use of water <u>d/</u>	Remarks
	Depth below measuring point (feet)	Date of measurement			
199	20	Apr. 23, 1936	C,W	S	Wood curb; rock casing. Reported 10 feet drawdown pumping 4 gallons a minute for 1 hour. Water in clay.
200	21.5	Apr. 24, 1936	C,W	S	Galvanized iron curb and casing. Reported pumps dry in 3 hours. Never fails. Water in porous clay.
201	0	do.	C,W	S	Wood curb; no casing. Reported failed in summer of 1935.
202	14	do.	C,W	S	Iron curb and casing. No drawdown reported pumping constantly. "Gyp" taste reported.
203	17.5	do.	B,H	S	Concrete curb; no casing. Never fails. "Gyp" taste reported.
204	11	do.	C,W	S	Wood curb; rock casing. Reported 5 feet drawdown operating 1 hour pumping 4 gallons a minute.
205	26.8	May 14, 1936	C,W	S	Brick curb and casing. Reported pumps dry in 2 hours. Never fails. "Gyp" taste reported.
206	24.3	Apr. 23, 1936	None	S	Concrete curb and casing. Never fails. "Gyp" taste reported.
207	15	do.	C,W	S	Concrete curb; rock casing. Never fails. Reported pumps dry in 2 hours. "Gyp" taste reported.
208	20	do.	B,H	S	Concrete curb; rock casing. Never fails. "Gyp" taste reported.
209	21.5	do.	B,H	S	Corrugated iron curb and casing. Never fails. "Cyp" taste reported.
210	21	do.	B,H	S	Concrete curb; brick casing. Never fails. Reported bails dry in $\frac{1}{2}$ hour. "Gyp" taste reported.
211	21.5	May 4, 1936	C,W	S	Concrete curb and casing. Reported water level same as in 1932. Pumps dry in 1 hour. "Gyp" taste reported.
212	22	do.	C,W	S	Concrete curb and casing. Never fails. Reported pumps dry in 1 hour. "Gyp" taste reported.
213	22.5	do.	C,W	S	Concrete curb and casing. Reported 4 feet drawdown operating 1 hour pumping 4 gallons a minute.
214	20.2	do.	C,W	D	Concrete curb; rock casing. No drawdown reported pumping 24 hours. Present water level reported 5 feet
215	24.5	Apr. 24, 1936	B,H	S	Wood curb; no casing. Nearly higher than in 1901. fails in drought. "Gyp" taste reported.
216	24	Apr. 26, 1936	B,H	S	Brick curb; no casing. Nearly fails in drought. Reported bails dry in $\frac{1}{2}$ hour. "Gyp" taste reported.
217	17	Apr. 24, 1936	B,H	S	Wood curb; brick casing. Never fails. Reported bails dry in 1 hour.
218	19	do.	C,W	D	Concrete curb and casing. Never fails. Reported bails dry in 1 hour.
219	13.5	do.	B,H	D	Concrete curb; brick casing. Reported bails dry in $\frac{1}{2}$ hour. Reported water level same as in 1930.
220	16.7	do.	B,H	D	Iron curb and casing. No drawdown reported bailing constantly. Average water level reported constant
221	10.5	do.	B,H	D	Wood curb; concrete casing. Never fails. Slight "gyp" taste reported. since 1935.
222	28	Apr. 20, 1936	B,H	S	Concrete curb; brick casing. Nearly fails in drought. Reported bails dry in 4 hours.
223	23	do.	B,H	D	Galvanized curb and casing. Never fails. Clear water reported. Fair quality.
224	21	May 4, 1936	B,H	S	Galvanized curb. Reported present water level same as in 1930. "Gyp" taste reported.
225	20	May 4, 1936 f/	C,W	S	Brick curb and casing. No drawdown reported pumping constantly. "Gyp" taste reported.

Records of wells and springs in Foard County--Continued.

No.	Distance from Crowell	Location in Section	Survey and Block	Owner	Date completed	Depth of well (ft.) a/	Diameter of well (in.)	Height of measuring point above ground (ft.) b/
226	9 miles northeast	Center E line NW $\frac{1}{4}$ sec. 290	H. & T.C. blk. A	V. A. McGinnis	--	33	48	2
227	do.	Near NW corner NE $\frac{1}{4}$ sec. 290	do.	do.	--	21	36	3
e/228	do.	SW corner SW $\frac{1}{4}$ sec. 289	do.	A. M. Phillips	--	25	36	2
e/229	9 $\frac{1}{2}$ miles northeast	NE corner SE $\frac{1}{4}$ sec. 289	do.	J. H. Ayers	--	23	36	2
e/230	do.	SW corner NE $\frac{1}{4}$ sec. 289	do.	do.	--	17	36	2.5
e/231	do.	Near SE corner NE $\frac{1}{4}$ sec. 289	do.	do.	--	21	48	2
e/232	do.	Center E line NE $\frac{1}{4}$ sec. 289	do.	do.	--	24	48	2
e/233	10 miles northeast	400 feet S NE corner sec. 289	do.	do.	--	22	48	2
e/234	do.	NE corner sec. 289	do.	do.	--	21	36	3
e/235	10 $\frac{1}{2}$ miles northeast	NW corner NE $\frac{1}{4}$ sec. 278	do.	E. Strike	--	23	36	0
236	do.	W line SE $\frac{1}{4}$	M. B. Lewis	Ferguson Bros.	--	22	36	3
e/237	11 miles northeast	NW corner sec. 1	G.C. & S.F.	J. S. Ray	--	20-dr	6	2
e/239	10 $\frac{1}{2}$ miles northeast	SE corner NE $\frac{1}{4}$ sec. 278	H. & T.C. blk. A	W. L. Johnson	--	19	48	3
e/240	10 miles northeast	Center SE $\frac{1}{4}$ sec. 278	do.	Lola Joiner	--	21	48	--
e/242	10 $\frac{1}{2}$ miles northeast	NE corner sec. 277	do.	Minnie L. Wayland	--	22-dr	6	0.2
243	10 miles east	Center W line	E. Thacker	S. M. Tole	--	28	48	1
e/244	do.	Center E line SE $\frac{1}{4}$ sec. 277	H. & T.C. blk. A	G. C. Phillips	--	26	36	3
e/245	do.	Center N line SW $\frac{1}{4}$ sec. 277	do.	S. M. Tole	--	22	36	3
246	9 $\frac{1}{2}$ miles east	NE corner SW $\frac{1}{4}$ sec. 277	do.	H. W. Bannister	--	21	48	2
e/247	do.	NW corner NE $\frac{1}{4}$ sec. 276	do.	N. F. Pittillo	--	28	36	1
e/248	do.	SE corner NW $\frac{1}{4}$ sec. 276	do.	R. Huskey	--	24	48	2
e/249	9 miles east	Center S line NW $\frac{1}{4}$ sec. 276	do.	do.	--	23	48	3
e/250	do.	SE corner NW $\frac{1}{4}$ sec. 276	do.	do.	1929	2,627-dr	--	--
e/251	do.	Center S line SW $\frac{1}{4}$ sec. 276	do.	N. F. Pittillo	--	13	36	1.5
252	do.	NE corner NW $\frac{1}{4}$ sec. 275	do.	H. W. Gray	--	19	36	4
e/253	9 $\frac{1}{2}$ miles east	SW corner SE $\frac{1}{4}$ sec. 276	do.	T. L. Ward	--	17	36	2
e/254	10 miles east	Center E line SE $\frac{1}{4}$ sec. 276	do.	N. F. Pittillo	--	26-dr	6	1

L. P. Huggins, Project Superintendent.

No.	Water Level		Pump and power c/ d/	Use of water d/	Remarks
	Depth below measuring point (feet)	Date of measurement			
226	21	May 4, 1936	C,W	S	Galvanized curb and casing. Present water level reported same as in 1930. Cannot be pumped dry.
227	17	do.	C,W	S	Galvanized curb and casing. Never fails. Reported pumps dry in 24 hours. "Gyp" taste reported.
228	21.5	do.	C,W	S	Galvanized curb and casing. Never fails. Reported 2 feet drawdown pumping 4 gallons a minute for 24 hours.
229	20	do.	B,H	S	Wood curb; rock casing. Never fails. "Gyp" taste reported.
230	16.5	do.	C,W	S	Concrete curb; no casing. Never fails. "Gyp" taste reported.
231	17.5	May 4, 1936 f/	C,W	D	Concrete curb; brick casing. No drawdown reported operating 24 hours pumping 4 gallons a minute.
232	7	do.	C,W	D	Concrete curb; brick casing. No drawdown reported pumping constantly. Never fails.
233	17	do.	C,W	I,S	Concrete curb; brick casing. No drawdown reported operating 24 hours pumping 4 gallons a minute.
234	16	May 4, 1936	C,G	I	Concrete curb and casing. No drawdown reported operating 24 hours pumping 4 gallons a minute.
235	12	do.	C,W	D	Wood curb; no casing. No drawdown reported operating 24 hours pumping 4 gallons a minute.
236	16	do.	C,W	D	Concrete curb. No drawdown reported operating 24 hours pumping 4 gallons a minute.
237	3.8	do.	C,H	D	Galvanized curb and casing. Never fails. Clear water reported of fair quality.
239	13	do.	C,W	D	Wood curb; concrete casing. Reported 5 feet drawdown operating 24 hours pumping 4 gallons a minute.
240	12	May 4, 1936 f/	C,H	D	Wood curb; galvanized iron casing. Reported pumps dry in 2 hours. "Gyp" taste reported.
242	11.5	May 4, 1936	C,W	D	Concrete curb; galvanized 6 inch casing. Reported no drawdown pumping 24 hours. Reported stronger supply
243	16.5	do.	C,W	S	Concrete curb; brick casing. Reported than in 1923. 10 feet drawdown operating 24 hours pumping 4 gallons
244	21	do.	C,W	D	Concrete curb and casing. Reported 3 feet a minute. drawdown operating $\frac{1}{2}$ hour pumping 4 gallons a minute.
245	18.3	do.	B,H	D	Wood curb; no casing. Never fails. Clear water reported of fair quality.
246	18	do.	C,W	S	Wood curb; brick casing. Never fails. Reported pumps dry in $\frac{1}{2}$ hour. "Gyp" taste reported.
247	18	May 4, 1936 f/	C,W	S	Concrete curb; brick casing. Reported pumps dry in 4 hours. Never fails. "Gyp" taste reported.
248	20	May 4, 1936	C,W	S	Concrete curb and casing. Never fails. Reported pumps dry in 1 hour. "Gyp" taste reported.
249	17.2	do.	B,H	S	Concrete curb; brick casing. Never fails. "Gyp" taste reported. Fair quality water.
250	--	--	None	N	Oil test. Drilled by Bass and Dillard. See log.
251	8.2	May 4, 1936	C,W	D	Wood curb; brick casing. Never fails. Reported pumps dry in 2 hours.
252	10.2	do.	B,H	D	Wood curb; brick casing. Never fails. Reported clear, fair quality water.
253	12.5	do.	C,W	S	Brick curb and casing. Never fails. "Gyp", salt, and alkali taste reported. Pumps dry in 2 hours.
254	20	May 4, 1936 f/	C,W	D	Concrete curb; galvanized 6 inch casing. Reported no drawdown pumping 4 gallons a minute for 24 hours.

Records of wells and springs in Foard County--Continued.

No.	Distance from Crowell	Location in Section	Survey and Block	Owner	Date completed	Depth of well (ft.) a/	Diameter of well (in.)	Height of measuring point above ground (ft.) b/
255	9½ miles east	NE corner sec. 275	H.& T.C. blk. A	Mrs. M. F. F. Gray Est.	--	15	48	4
e/256	9 miles east	SE corner SW¼ sec. 275	do.	H. W. Gray	--	8	48	2
258	do.	NW corner NE¼ sec. 274	do.	Guy G. Crews	--	17	48	4
e/259	10 miles east	SE corner SW¼ sec. 44	H.& T.C. blk. 8	Naomi G. Nichols	--	18	48	3
e/260	10½ miles east	Center E line	W. L. Johnson	W. L. Johnson	--	22	48	0.5
e/261	10 miles east	Near center E line sec. 44	H.& T.C. blk. 8	J. G. Thompson	--	21	48	4
262	11 miles east	NW corner SE¼ sec. 3	G.C.& S.F.	J. K. French	--	21	36	3
263	10½ miles east	Near center NW¼ NW¼ sec. 3	do.	W. S. Tarver	--	17	36	2
e/264	do.	Center E line	S. F. Thompson	J. G. Thompson	1931	2,154-dr	--	--
265	10 miles east	Center N½ sec. 44	H.& T.C. blk. 8	do.	--	16	48	3
e/266	10½ miles east	SE corner NE¼ SW¼	A. Johnson	E. H. Roberts	1911	18	48	3
e/267	do.	SE corner N½	do.	W. Johnson	--	17	48	1.5
e/268	do.	do.	do.	do.	--	27	48	3
e/269	do.	NE corner SW¼ sec. 2	G.C.& S.F.	F. M. Biedleman	--	32	48	3
270	do.	NW corner SE¼ sec. 2	do.	Mrs. T. H. French	--	26	48	2
271	do.	NE corner sec. 3	do.	J. L. Ward	--	24	36	1
e/272	11 miles east	NE corner SE¼ sec. 3	do.	J. F. Mathews	--	22	--	0.2
273	do.	Center W line NW¼ sec. 33	H.& T.C. blk. 8	Joe Richter	--	21	36	4
e/274	do.	SW corner NW¼ SW¼ sec. 34	do.	Joe Caulfal	--	19	36	3
e/275	do.	Center W line SW¼ sec. 34	do.	do.	1929	28	48	--
e/276	do.	SE corner sec. 2	G.C.& S.F.	C. P. Sandifer	--	17	48	3
e/277	11½ miles east	SE corner NW¼ sec. 34	H.& T.C. blk. 8	Otto Schroeder	1915	35-dr	6	2.5
e/278	do.	do.	do.	do.	--	32	36	0
e/279	do.	do.	do.	do.	--	32	48	0
280	11 miles east	Center W line SW¼ sec. 35	do.	Earle Zipperle	--	27	36	1

a/ All wells are dug unless driven or drilled well is indicated by "dr" under "Depth."
 b/ Measuring point was usually top of casing, top of pump base, or top of well curb.
 c/ C, cylinder; W, windmill; H, hand; E, bucket or bailer; Cf, centrifugal; G, gaso-
 line engine; E, electric motor.

L. P. Huggins, Project Superintendent.

No.	Water Level		Pump and power .c/	Use of water d/	Remarks
	Depth below measuring point (feet)	Date of measurement			
255	5.5	May 4, 1936	B,H	S	Brick curb and casing. Never fails. Salt and alkali taste reported.
256	6.5	May 6, 1936	--	S	Brick curb and casing. Nearly fails in drought. "Gyp" taste reported.
258	9	do.	C,W	S	Brick curb and casing. Nearly fails in drought. Reported pumps dry in 1 hour. "Gyp" taste reported.
259	13	May 13, 1936	None	N	Brick curb; rock casing. Never fails. Reported water too highly mineralized for use.
260	16.5	do.	C,W	S	Wood curb; rock casing. No drawdown reported pumping 24 hours. "Gyp" and salt taste reported.
261	15.2	do.	None	N	Wood curb; rock casing. Reported too highly mineralized for use.
262	11.7	May 7, 1936	C,W	D	Galvanized curb and casing. Reported no drawdown pumping 24 hours. Water level now reported same as in
263	13	May 6, 1936	C,W	S	Wood curb; concrete casing. Reported pumps dry in 1 hour. Never fails. "Gyp" taste reported. 1920.
264	--	--	None	N	Oil test. Drilled by Luther Webb. See log.
265	14.5	May 6, 1936	C,W	S	Wood curb; brick casing. Never fails. Reported pumps dry in $\frac{1}{2}$ hour. "Gyp" taste reported.
266	16.5	do.	B,H	S	Wood curb; no casing. Never fails. "Gyp" and salt taste reported.
267	13	do.	B,H	S	Brick curb and casing. Never fails. "Gyp" and salt taste reported.
268	21	do.	B,H	S	Brick curb and casing. Never fails. "Gyp" taste reported.
269	27	do.	B,H	D	Wood curb and casing. Never fails. "Gyp" taste reported.
270	24	do.	B,H	D	Wood curb; no casing. Never fails. "Gyp" taste reported.
271	13	May 6, 1936 f/	C,W	D	Concrete curb; galvanized casing. Reported no drawdown pumping 24 hours. Reported pollution from near-
272	16	May 7, 1936	C,H	D	Wood curb; brick casing. Reported pumps dry in 2 hours. Present water level reported same as by oil well.
273	17	do.	C,H	D	Brick curb and casing. Reported pumps dry in 2 $\frac{1}{2}$ hours. Never fails. in 1932.
274	16	May 6, 1936	C,G	S	Concrete curb. Never fails. "Gyp" taste reported. Water in clay.
275	20	May 6, 1936 f/	C,G	D	Concrete casing. No drawdown reported pumping 20 gallons a minute for 24 hours. Water in sand and gravel
276	14	May 6, 1936	B,H	D	Wood curb; brick casing. Never fails. at 20 feet. Water reported clear and of good quality.
277	25	May 6, 1936 f/	C,W	D	Concrete curb; galvanized 6 inch casing. No drawdown reported pumping 24 hours.
278	24	do.	B,H	D	Corrugated iron casing. Never fails. No drawdown reported operating 24 hours.
279	19	May 6, 1936	C,W	S	Do.
280	22	May 5, 1936	B,H	D	Galvanized curb and casing. Never fails. Fair quality, clear water reported.

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

e/ No water sample collected for analysis.

f/ Water level reported.

Records of wells and springs in Board County--Continued.

No.	Distance from Crowell	Location in Section	Survey and Block	Owner	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
e/281	11 miles east	NE corner sec. 2	G.C. & S.F.	Ira Tole	--	23	36	1
e/282	do.	SW corner sec. 1	do.	J. S. Ray	--	27	36	2
283	11 miles northeast	do.	do.	do.	--	17	48	3
284	11½ miles northeast	NE corner NW¼ sec. 35	H. & T.C. blk. 8	C. T. Smith	--	19	48	1
285	do.	Center W line SE¼ sec. 36	do.	J. S. Ray	--	29	48	1
e/286	do.	SW corner SE¼ sec. 36	do.	do.	--	29	36	1
e/287	12 miles northeast	Center N line NE¼ sec. 35	do.	Willie Karcher	--	23	36	3
289	do.	NW corner sec. 26	do.	W. A. Walker	--	21	36	3
290	12½ miles northeast	Near center sec. 25	do.	S. W. McLarty	--	42-dr	15	1
291	do.	Center NW¼ SE¼ sec. 25	do.	do.	--	40-dr	15	1
e/292	do.	do.	do.	do.	--	42-dr	15	0
e/293	13½ miles northeast	Center NW¼ sec. 25	do.	R. G. Whitten	--	18	48	C.5
294	do.	Center W line NE¼ sec. 24	do.	G. L. Rutledge	--	22	36	3
296	14½ miles northeast	SW corner sec. 13	do.	H. T. Faughn	--	Spring	--	--
297	do.	NE corner SE¼ sec. 24	do.	C. A. Gloyna	--	25	48	3
298	do.	SW corner SE¼ sec. 13	do.	A. T. Easley	--	27	36	3
e/299	15 miles northeast	SE corner sec. 13	do.	H. T. Faughn	1926	37	48	--
300	do.	SW corner sec. 12	do.	L. D. Mansil	1933	21	36	3
e/301	do.	600 feet N SW corner sec. 12	do.	W. R. Moore	--	25	48	4
302	15 miles east	SW corner sec. 12	do.	do.	--	21	36	3
e/303	do.	NW corner sec. 11	do.	T. E. Lawson	1930	24	36	2.5
304	do.	do.	do.	J. W. Crager	--	22	36	3
e/305	do.	NE corner sec. 14	do.	J. C. Davis	--	22	48	2.5
e/306	do.	NE corner SE¼ sec. 14	do.	T. F. Lambert	--	23	36	2
307	do.	SE corner sec. 14	do.	do.	--	23	48	4
e/308	14½ miles east	NE corner NW¼ sec. 15	do.	Mrs. J. M. Roberts	--	21	48	3
e/309	14 miles east	NW corner sec. 15	do.	Edward Jokel	--	18	48	3

L. P. Higgins, Project Superintendent.

No.	Water Level		Pump and power	Use of water	Remarks
	Depth below measurement point (feet)	Date of measurement			
281	17	May 5, 1936	C, W	D	Galvanized sheet iron curb. No drawdown reported pumping 24 hours. Never fails.
282	20	do.	C, W	D	Galvanized sheet iron curb and casing. Reported water in sand and gravel. Strong supply.
283	11.5	do.	B, H	D	Concrete casing. Nearly fails in drought. Good, clear water reported in joint clay.
284	14.7	do.	C, W	D	Wood curb; galvanized casing. No drawdown reported pumping 24 hours. Never fails.
285	18	May 5, 1936 f/	C, W	D	Concrete curb and casing. No drawdown reported pumping 24 hours. Never fails.
286	13	do.	C, W	D	Concrete curb and casing. Reported water level now higher than in 1916. Cannot be pumped dry.
287	20	May 5, 1936	C, W	D	Concrete curb; brick casing. No drawdown reported pumping 24 hours. Never fails.
289	17	do.	B, H	D	Wood curb; no casing. Never fails. Good quality, clear water reported.
290	15	May 5, 1936 f/	Cf, E	I	15 inch casing, lower 20 feet perforated. Reported capacity: 205 gallons a minute. No drawdown. Water level now reported 3 feet lower than in 1930.
291	15	May 5, 1936	Cf, E	I	Do.
292	15	May 5, 1936 f/	Cf, E	I	Do.
293	15	do.	C, W	D	Wood curb; brick casing. No drawdown reported pumping 4 gallons a minute for 24 hours.
294	19	May 5, 1936	B, H	D	Concrete curb and casing. Never fails. Good quality, clear water reported.
295	Flows	June 6, 1936	None	I	Estimated flow: 600 gallons a minute from 2 openings in clay along river bank. Never fails.
297	21.5	May 5, 1936	C, W	D	Concrete curb and casing. No drawdown reported pumping 4 gallons a minute for 24 hours.
298	21	do.	C, W	D, I	Concrete curb; brick casing. Strong supply, good quality, clear water. Reported water in sand and gravel.
299	19	do.	Cf, E	I	Concrete curb; brick casing. No drawdown reported pumping 100 gallons a minute for 24 hours. New well.
300	19.2	May 6, 1936	C, W	D	Wood curb. Never fails. Reported pumps dry in 1 hour. Fair quality water reported.
301	20	do.	C, W	D	Brick curb; concrete casing. Never fails. Strong supply. Clear, good quality water reported.
302	19	do.	B, H	D	Concrete curb; brick casing. Never fails. Clear, fair quality water reported.
303	19	do.	C, W	D	Concrete curb; brick casing. No drawdown reported pumping 24 hours. Water in sand and gravel.
304	19.5	do.	B, H	D	Galvanized curb and casing. Never fails. Clear, fair quality water reported.
305	19.5	do.	B, H	D	Concrete curb; no casing. Never fails. Clear, good quality water reported.
306	21	do.	B, H	S	Concrete curb; no casing. Never fails. "Gyp" taste reported.
307	18	do.	C, W	D	Concrete curb; galvanized casing. No drawdown reported pumping 24 hours. "Gyp" taste reported.
308	19.5	do.	B, H	D	Wood curb; no casing. Never fails. "Gyp" taste reported.
309	16.5	do.	B, E	D	Wood curb; galvanized casing. Never fails. Good quality, clear water reported.

Records of wells and springs in Foard County--Continued.

No.	Distance from Crowell	Location in Section	Survey and Block	Owner	Date completed	Depth of well (ft.) a/	Diameter of well (in.)	Height of measuring point above ground (ft.) b/
e/310	14 $\frac{1}{2}$ miles east	NE corner NW $\frac{1}{4}$ sec. 14	H. & T.C. blk. 8	Elex Streit	--	23	48	3
e/311	14 miles northeast	SE corner sec. 24	do.	A. H. Martin	1935	19	48	2
313	14 miles east	SE corner NE $\frac{1}{4}$ sec. 23	do.	H. D. Lawson	--	21	48	3
314	13 $\frac{1}{2}$ miles east	NW corner NE $\frac{1}{4}$ sec. 22	do.	A. W. Crisp	--	30	48	2
315	do.	NE corner NW $\frac{1}{4}$ sec. 22	do.	do.	--	19	48	1
e/316	13 miles east	SW corner sec. 23	do.	Elex Streit	--	17	36	3
e/317	do.	NW corner SW $\frac{1}{4}$ sec. 23	do.	W. D. Berry	--	16	48	2
e/318	do.	SW corner NW $\frac{1}{4}$ sec. 23	do.	H. Gloyna	--	24	36	3
319	13 miles northeast	NW corner sec. 23	do.	R. L. Rheay	--	21	36	--
320	12 $\frac{1}{2}$ miles east	SW corner NE $\frac{1}{4}$ sec. 26	do.	W. A. Walker	--	17	48	3
e/321	do.	SE corner NW $\frac{1}{4}$ sec. 26	do.	do.	--	13	48	3
e/322	12 miles east	SW corner NW $\frac{1}{4}$ sec. 26	do.	do.	--	14	36	3
e/323	12 $\frac{1}{2}$ miles east	NE corner SE $\frac{1}{4}$ sec. 35	do.	Geo. Estes Est.	--	32	48	1
324	12 miles east	Near SE corner sec. 35	do.	do.	--	18	36	--
e/326	do.	NE corner sec. 34	do.	E. M. Key	--	18	36	2
327	do.	do.	do.	do.	--	10	60	0
e/328	do.	NW corner sec. 27	do.	J. L. Rennels	--	32	36	2
329	do.	NW corner NW $\frac{1}{4}$ sec. 27	do.	do.	--	11	60	1
e/330	12 $\frac{1}{2}$ miles east	SE corner SW $\frac{1}{4}$ sec. 26	do.	W. A. Walker	--	16	36	3
331	do.	NW corner NE $\frac{1}{4}$ sec. 27	do.	Chris. Schmoker	--	18	36	3
e/332	12 miles east	SE corner NE $\frac{1}{4}$ sec. 34	do.	J. L. Rennels	--	30	36	0.5
e/333	do.	NE corner SE $\frac{1}{4}$ sec. 34	do.	R. Derrington	--	21	48	3
e/334	11 $\frac{1}{2}$ miles east	NW corner NE $\frac{1}{4}$ sec. 33	do.	R. E. Main	--	19	48	3
e/335	11 miles east	NW corner sec. 33	do.	John Matus	1929	1,620-dr	12 $\frac{1}{2}$	--
e/336	11 $\frac{1}{2}$ miles east	SW corner sec. 33	do.	do.	--	19	48	4
337	11 miles east	SE corner NE $\frac{1}{4}$ sec. 4	G.C. & S.F.	Lena May Morris	--	24	48	3
e/338	11 $\frac{1}{2}$ miles east	Center NW $\frac{1}{4}$ sec. 33	H. & T.C. blk. 8	do.	--	28	48	--

L. P. Huggins, Project Superintendent.

No.	Water Level		Pump and power c/	Use of water d/	Remarks
	Depth below measuring point (feet)	Date of measurement			
310	20	May 5, 1936	C,W	S	Wood curb; no casing. Never fails. No drawdown reported pumping 24 hours. Fair quality of water.
311	15.5	do.	C,W	D	Concrete curb; brick casing. Reported pumps dry in 1 hour. Present water level reported same as in 1935.
313	18	May 6, 1936	C,W	D	Concrete curb; brick casing. Never fails. No drawdown reported pumping 24 hours. Good quality water.
314	20	May 6, 1936 f/	C,W	S	Wood curb; rock casing. Never fails. No drawdown reported pumping 24 hours. "Gyp" taste reported.
315	11.5	May 6, 1936	C,W	D	Concrete curb; no casing. Never fails. No drawdown reported pumping 24 hours. Good quality water reported.
316	13.5	May 5, 1936	B,H	D	Wood curb; galvanized casing. Never fails. Good quality, clear water reported.
317	13	do.	B,H	D	Concrete curb; galvanized casing. Never fails. Good quality, clear water reported.
318	22	do.	C,W	D	Wood curb; galvanized casing. Never fails. Reported pumps dry in 1 hour. Good quality water reported.
319	18	do.	C,W	D	Galvanized curb and casing. Reported present water level 7 feet lower than in 1932. Cannot pump dry.
320	16	do.	B,H	D	Galvanized sheet iron curb and casing. Reported failed in 1918. Water reported in sand and gravel.
321	7	do.	B,H	D	Galvanized sheet iron curb and casing. Reported failed in 1918. Good quality, clear water reported.
322	10	do.	B,H	--	Wood curb; galvanized sheet iron casing. Reported failed in 1918.
323	24	do.	C,W	D	Wood curb; galvanized casing. No drawdown reported pumping 24 hours. Present water level reported same
324	14	do.	C,H	P	Concrete curb. Supplies school. Never fails. Strong supply. Good quality, clear water reported.
326	14	do.	C,W	D	Concrete curb. Never fails. No drawdown reported pumping 24 hours. Good quality water reported.
327	3	do.	Cf,G	I	Wood curb; galvanized casing. Never fails. Reported dry in 2 hours pumping 100 gallons a minute.
328	26.8	do.	C,W	D	Galvanized curb and casing. Never fails. Reported 4 feet drawdown pumping 4 gallons a minute for 4 hours.
329	5	do.	None	--	Wood curb and casing. Never fails. Good quality, clear water reported.
330	11.5	do.	B,H	D	Galvanized curb and casing. Never fails. Good quality, clear water reported.
331	13.8	do.	B,H	D	Do.
332	29	May 6, 1936	C,H	S	Concrete curb and casing. Never fails. "Gyp" taste reported.
333	16	do.	C,W	D	Concrete curb and casing. Never fails. Reported 4 feet drawdown pumping 2 hours.
334	16	May 7, 1936	B,H	D	Wood curb. Never fails. Good quality, clear water reported.
335	--	--	None	N	Cil test. Drilled by Humble Oil and Refining Company. See log.
336	12	May 7, 1936	C,W	D	Brick curb. No drawdown reported pumping 24 hours. Water level now reported same as in 1931. Salt and
337	14.5	do.	B,H	S	Brick curb and casing. Never fails. "Gyp" taste reported.
338	15	do.	C,W	D	Concrete curb. Never fails. Reported no drawdown pumping 24 hours.

Records of wells and springs in Foard County--Continued.

No.	Distance from Crowell	Location in Section	Survey and Block	Owner	Date completed	Depth of well (ft.) a/	Diameter of well (in.)	Height of measuring point above ground (ft.) b/
e/341	12½ miles east	NW corner SW¼ sec. 29	H. & T. C. blk. 8	W. J. & J. F. Long	--	19	48	2
342	12 miles east	SE corner NE¼ sec. 32	do.	Lena May Morris	--	31	36	3
e/343	do.	SW corner NE¼ sec. 32	do.	do.	--	12	48	3
e/344	do.	NE corner sec. 32	do.	do.	--	40	48	2.5
345	do.	NW corner sec. 29	do.	W. J. & J. F. Long	--	35	48	3
346	12½ miles east	SW corner sec. 28	do.	Ignac Zacek	--	27	36	--
347	12 miles east	SE corner sec. 33	do.	G. J. Teel	--	36	36	3
349	do.	SE corner NE¼ sec. 33	do.	G. & C. L. Atkins	--	18	48	2
e/350	do.	NW corner sec. 28	do.	J. H. Self	--	19	48	3
e/351	do.	SW corner sec. 27	do.	Hines Clark	--	27-dr	6	3
353	12½ miles east	SW corner SE¼ sec. 27	do.	J. N. Abston Est.	--	20	48	3
354	13 miles east	SE corner NE¼ sec. 27	do.	L. F. Ward	--	15	48	2
e/355	do.	Center S line SE¼ sec. 27	do.	J. C. Wade	--	19	48	3
e/356	do.	NE corner sec. 28	do.	E. L. Vaughn	--	27	36	2
357	do.	NE corner SE¼ sec. 28	do.	C. C. Lindsey	--	20	36	3
358	do.	SE corner sec. 28	do.	Eric Wheeler	--	26	36	3
e/359	13½ miles east	NW corner NE¼ sec. 21	do.	J. G. Adkins	--	16	36	2
360	do.	SE corner SW¼ sec. 22	do.	R. F. Adkins	--	17	36	3
e/361	14 miles east	NE corner SE¼ sec. 22	do.	H. H. Hopkins	--	16	36	2
e/362	do.	SW corner sec. 15	do.	M. T. Simmons	--	26	36	2
363	do.	SE corner sec. 22	do.	W. I. Cook	--	26	36	2.5
e/365	do.	SE corner NE¼ sec. 21	do.	J. M. Adkins	--	18	48	2
e/366	do.	Center W line NW¼ sec. 16	do.	Chas. Matuck	--	16	36	1
e/367	14½ miles east	NW corner NE¼ sec. 16	do.	Emma L. Main	--	18	48	3
368	14 miles east	NW corner SW¼ sec. 16	do.	E. Schmoker	--	18	48	3
e/369	do.	NE corner SE¼ sec. 21	do.	J. B. Gray	--	22	36	3
e/370	13½ miles east	SW corner SE¼ sec. 21	do.	do.	--	19	36	3

L. P. Fuggins, Project Superintendent.

No.	Water Level		Pump and power c/	Use of water d/	Remarks
	Depth below measuring point (feet)	Date of measurement			
341	13	May 7, 1936	B,H	S	Concrete curb and casing. Never fails. Fair quality, clear water reported.
342	14	do.	C,H	S	Brick curb and casing. Never fails. Reported no draw-down pumping 4 hours. "Gyp" taste reported.
343	7	do.	B,H	D	Concrete curb; no casing. Never fails. Good quality, clear water reported.
344	28	do.	C,W	D	Wood curb. Never fails. Reported no drawdown pumping 24 hours. Fair quality water reported.
345	15.5	do.	C,V	D	Concrete curb. Never fails. Reported no drawdown pumping 24 hours. Fair quality water reported.
346	11.1	do.	C,H	D	Concrete casing. Never fails. Reported no drawdown pumping several hours.
347	12.5	do.	C,W	--	Galvanized curb and casing. Never fails. Cannot be pumped dry. Present water level reported same as in
349	10.7	do.	B,H	D	Wood curb; concrete casing. Never fails. Good quality, clear water reported. 1923.
350	14.5	do.	B,H	D	Wood curb; galvanized casing. Never fails. Good quality, clear water reported.
351	20	May 6, 1936	B,H	D	Galvanized 6 inch curb and casing. Never fails. Good quality water reported.
352	17.5	do.	B,H	D	Brick curb; concrete casing. Never fails. Good quality water reported.
354	10	do.	B,H	S	Wood curb; galvanized casing. Never fails. Fair quality water reported.
355	14	do.	B,H	D	Wood curb; brick casing. Never fails. Fair quality water reported.
356	16	May 7, 1936	B,H	D	Concrete curb; brick casing. Never fails. Fair quality water reported.
357	14	do.	B,H	D	Brick curb; galvanized casing. Never fails. Good quality water reported.
358	12.5	do.	C,W	D	Galvanized curb and casing. Never fails. No draw-down reported pumping 24 hours.
359	14	do.	C,W	D	Brick curb; no casing. Never fails. Reported pumps dry in $\frac{1}{2}$ hour. Water in clay.
360	14	do.	B,H	D	Galvanized curb and casing. Never fails. Good quality, clear water reported.
361	12	do.	C,W	D	Galvanized curb and casing. Never fails. No draw-down reported pumping 24 hours.
362	11.5	do.	C,W	D	Do.
363	12.5	do.	C,W	D	Galvanized curb. Never fails. 5 feet drawdown reported pumping 24 hours. Present water level reported same as in 1929.
365	12	do.	B,H	--	Concrete curb; galvanized casing. Never fails. Water reported in sand and gravel.
366	11	do.	C,W	D	Brick curb and casing. Never fails. Reported pumps dry in 1 hour.
367	13.7	do.	B,H	D	Wood curb. Never fails. Good quality, clear water reported.
368	15	do.	B,H	S	Concrete curb; brick casing. Never fails. Fair quality, clear water reported.
369	18	May 13, 1936	B,H	S	Wood curb; no casing. Never fails. "Gyp" taste reported.
370	17	do.	B,H	S	Galvanized casing. Never fails. "Gyp" taste reported.

Records of wells and springs in Foard County--Continued.

No.	Distance from Crowell	Location in Section	Survey and Block	Owner	Date completed	Depth of well (ft.) a/	Diameter of well (in.)	Height of measuring point above ground (ft.) b/
371	14 miles east	NE corner sec. 20	H. & T.C. blk. 8	E. G. Grimsley	--	45	36	3
372	do.	do.	do.	do.	1936	18	48	3
e/373	do.	SW corner NE $\frac{1}{4}$ sec. 20	do.	Leo Spencer	--	14	36	3
374	do.	NW corner SE $\frac{1}{4}$ sec. 20	do.	J. D. Jobe	--	13	48	3
377	13 $\frac{1}{2}$ miles east	SE corner SW $\frac{1}{4}$ sec. 20	do.	E. V. Cato	--	25	48	1
e/378	14 miles east	SW corner SE $\frac{1}{4}$ sec. 20	do.	J. D. Jobe	1936	15	36	1.5
e/379	do.	NE corner NW $\frac{1}{4}$ sec. 19	do.	J. W. Keesee	--	18	36	1
381	13 miles east	SW corner SE $\frac{1}{4}$ sec. 29	do.	W. J. & J. F. Long	1910	20	36	2
383	do.	Center S line E $\frac{1}{2}$ sec. 30	H. & T.C. blk. 18	Mrs. Pauline McArdle	--	24	48	2.5
384	12 $\frac{1}{2}$ miles east	NE corner center 1/3 sec. 30	do.	do.	--	22	36	3
e/385	do.	Center E line NW $\frac{1}{4}$ sec. 36	do.	M. E. Moore	--	24	48	2
386	12 miles east	SE corner W 1/3 sec. 30	do.	Mrs. Pauline McArdle	--	27	36	3
e/387	do.	NE corner W 1/3 sec. 30	do.	do.	--	14	36	1.5
388	11 miles east	Center E line sec. 41	do.	O. M. Grimm	--	22	36	0.2
389	12 miles east	SE corner SW $\frac{1}{4}$ sec. 37	do.	W. H. Hammonds	--	22	36	2
390	11 $\frac{1}{2}$ miles east	NE corner sec. 40	do.	Jim Hammonds	--	23	36	3
e/391	do.	SW corner NW $\frac{1}{4}$ sec. 38	do.	Emma L. Main	1920	19	48	0.5
392	do.	SE corner W $\frac{1}{2}$ sec. 40	do.	J. S. Jobe, et al.	--	19	48	2.5
393	do.	NE corner W $\frac{1}{2}$ sec. 40	do.	do.	--	22	48	1
e/394	11 miles east	Center S line sec. 41	do.	Jim Hammonds	--	23	48	2.7
395	10 $\frac{1}{2}$ miles east	NE corner SE $\frac{1}{4}$ sec. 257	H. & T.C. blk. A	R. M. Graham	--	26	36	3
e/396	do.	NE corner sec. 257	do.	P. T. Gamble	--	25	36	2
e/397	10 miles east	SE corner SW $\frac{1}{4}$ sec. 255	do.	L. H. Williams	--	16	36	3
e/398	9 $\frac{1}{2}$ miles east	NE corner SW $\frac{1}{4}$ sec. 273	do.	C. C. Wheeler	--	19	36	3
399	7 $\frac{1}{2}$ miles east	NE corner sec. 310	do.	A. Brian	--	18	36	1.5
400	4 $\frac{1}{2}$ miles east	NE corner SE $\frac{1}{4}$ sec. 2	M.E.P. & P.	J. R. Ford	--	14	36	3
401	3 miles southeast	SW corner SW $\frac{1}{4}$ sec. 31	do.	W. L. Ricks	--	19	36	2.5

L. P. Huggins, Project Superintendent.

No.	Water Level		Pump and power <u>c/</u>	Use of water <u>d/</u>	Remarks
	Depth below measuring point (feet)	Date of measurement			
371	12	May 13, 1936	B,H	S	Galvanized curb; concrete casing. Never fails. "Gyp" taste reported.
372	13.5	do.	B,H	D	New well. "Gyp" taste reported.
373	11	do.	B,H	S	Wood curb; no casing. Never fails. "Gyp" and salt taste reported.
374	8	do.	B,H	S	Wood curb. Never fails. "Gyp" and salt taste reported.
377	14	do.	C,H	S	Galvanized curb and casing. Never fails. No drawdown reported pumping 24 hours.
378	12	do.	None	S	Concrete curb; brick casing. New well. "Gyp" taste reported.
379	14	do.	C,W	S	Wood curb; rock casing. Never fails. Reported pumps dry in $\frac{1}{2}$ hour.
381	11	do.	C,H	S	Concrete curb; no casing. Never fails. No drawdown reported pumping 24 hours. Present water level reported 3 feet higher than in 1915.
383	21	May 14, 1936	C,W	D	Galvanized curb and casing. Never fails. Fair quality water reported.
384	20	May 13, 1936	C,W	S	Brick curb; no casing. Never fails. No drawdown reported pumping 24 hours. "Gyp" taste reported.
385	19	May 14, 1936	C,W	S	Galvanized curb; concrete casing. Never fails. Cannot be pumped dry. "Gyp" taste reported.
386	22	May 13, 1936	C,W	S	Wood curb; rock casing. Never fails. No drawdown reported pumping 24 hours. "Gyp" taste reported.
387	9.2	do.	C,W	S	Galvanized curb; rock casing. Nearly fails in drought. "Gyp" taste reported.
388	20.5	do.	B,H	S	Rock casing. Never fails. "Gyp" taste reported.
389	20.7	do.	C,W	S	Concrete curb and casing. Never fails. "Gyp" taste reported.
390	19.5	May 14, 1936	C,W	S	Wood curb and casing. Nearly fails in drought. Reported pumps dry in 1 hour. "Gyp" and salt taste reported.
391	17.5	do.	C,W	S	Concrete curb; brick casing. Nearly fails in drought. 1 foot drawdown reported pumping 1 hour.
392	17.6	do.	C,W	S	Brick curb and casing. Nearly fails in drought. Reported pumps dry in $\frac{1}{2}$ hour. "Gyp" and salt taste reported.
393	20	do.	B,H	S	Wood curb; no casing. Nearly fails in drought. "Gyp" taste reported. Water in sand and gravel.
394	19.5	do.	C,W	S	Wood curb and casing. Nearly fails in drought. Reported pumps dry in 1 hour. "Gyp" taste reported.
395	24	do.	B,H	S	Brick curb and casing. Never fails. "Gyp" taste reported.
396	21.3	do.	C,W	S	Brick curb and casing. Never fails. Reported pumps dry in $\frac{1}{2}$ hour. "Gyp" taste reported.
397	12.5	do.	None	N	Brick curb and casing. Never fails. "Gyp" and salt taste reported.
398	13.3	do.	C,W	S	Brick curb and casing. Never fails. 2 feet drawdown reported pumping 24 hours. "Gyp" taste reported.
399	10	May 1, 1936	C,W	S	Concrete curb and casing. Never fails. 5 feet drawdown reported pumping 24 hours. "Gyp" taste reported.
400	13.5	do.	B,H	S	Wood curb; galvanized casing. Never fails. "Gyp" and salt taste reported.
401	6.5	Apr. 29, 1936	C,W	S	Brick curb and casing. Never fails. 5 feet drawdown reported pumping 6 hours. "Gyp" taste reported.

Records of wells and springs in Foard County--Continued.

No.	Distance from Crowell	Location in Section	Survey and Block	Owner	Date completed	Depth of well (ft.) a/	Diameter of well (in.)	Height of measuring point above ground (ft.) b/
e/402	2½ miles southeast	Center E line	R. R. Smith	Tom Vecera	--	19	36	2
403	1½ miles east	Center N line	do.	J. G. Coffee	--	29	36	2
404	1¼ miles east	Center NW¼	do.	S. S. Bell	--	18	36	3
405	1 mile southeast	Near NW corner SW¼	do.	J. C. Turner	--	18	48	2
e/406	1¼ miles southeast	Center W line	do.	R. L. Kincaid	--	18	36	2.5
407	2¾ miles southeast	Near center NW¼	Abb Luce	H. E. Gribble Est.	--	18	36	2.5
408	3 miles southeast	Near NW corner SE¼ N¼	do.	W. B. Tysinger	--	20	36	1
409	4 miles southeast	SW corner NW¼	Mathew Earle	O. B. Davis	--	20	36	3
410	7 miles southeast	NE corner NE¼ sec. 245	H. & T.C. blk. A	I. M. Cates Est.	--	20	36	3
e/411	9 miles southeast	Near NW corner sec. 298.	do.	W. H. Nichols, Sr.	1930	3,651-dr	--	--
412	10 miles southeast	Center S line SE¼ sec. 298	do.	do.	--	24	36	2
413	9½ miles southeast	SE corner NE¼ sec. 306	do.	J. F. Steele	--	22	36	3
414	7½ miles southeast	SW corner sec. 344	do.	J. J. Brown	--	23	36	3.5
415	do.	SE corner	Chris Knolle	Furi Halsell	--	24-dr	6	2
416	8 miles southeast	SW corner	Thos. Puckett	do.	--	22	42	4
e/417	8½ miles south	NE corner sec. 416	H. & T.C. blk. A	do.	1924	3,794-dr	6-5/8	--
e/418	11½ miles south	NE corner sec. 51	H. & T.C. blk. E	do.	--	20	36	2
419	10 miles south	SW corner sec. 60	do.	F. M. Dougherty	--	58	48	3
e/420	do.	SE corner sec. 61	do.	T. J. Hough Est.	--	20	48	2.5
421	9½ miles south	SW corner NE¼ sec. 60	do.	S. P. Bush Est.	--	35	48	3
e/422	9 miles south	NE corner SE¼ sec. 455	H. & T.C. blk. A	F. M. Meadors	--	35-dr	6	--
e/423	9½ miles south	SW corner sec. 492	do.	J. C. Eubanks	--	24	48	3
424	9 miles south	NE corner SE¼ sec. 492	do.	W. R. Fergeson	--	40	48	3
425	8½ miles south	NW corner sec. 455	do.	P. Owens	--	35	48	3
e/426	do.	Center N line NW¼ sec. 455	do.	do.	--	39	36	3

a/ All wells are dug unless driven or drilled well is indicated by "dr" under "Depth."
 b/ Measuring point was usually top of casing, top of pump base, or top of well curb.
 c/ C, cylinder; W, windmill; H, hand; B, bucket or bailer; Cf, centrifugal; G, gaso-
 line engine; E, electric motor.

L. P. Huggins, Project Superintendent.

No.	Water Level		Pump and power c/	Use of water d/	Remarks
	Depth below measuring point (feet)	Date of measurement			
402	14.5	Apr. 29, 1936	C,W	S	Concrete curb and casing. Never fails. Reported pumps dry in $\frac{1}{2}$ hour. Fair quality water reported.
403	20.7	May 15, 1936	C,H	S	Brick curb and casing. Never fails. Reported pumps dry in 2 hours. "Gyp" taste reported.
404	12	Apr. 29, 1936	C,W	S	Brick curb and casing. Never fails. 5 feet drawdown reported pumping 2 hours. "Gyp" taste reported.
405	5	do.	B,H	S	No casing. Never fails. "Gyp" taste reported.
406	12.3	do.	C,W	S	Brick curb and casing. Never fails. 5 feet drawdown reported pumping 4 gallons a minute for 1 hour.
407	3	do.	C,W	S	Brick curb and casing. Never fails. 6 feet drawdown reported pumping 2 hours. "Gyp" taste reported.
408	3.5	do.	B,H	D	Brick curb and casing. Never fails. 2 feet drawdown reported pumping 2 gallons a minute for 16 hours.
409	13	do.	C,W	S	Brick curb and casing. Never fails. 5 feet drawdown reported pumping 6 gallons a minute for 24 hours.
410	10.5	May 1, 1936	C,W	S	Galvanized curb and casing. Never fails. Mineral taste reported.
411	--	--	None	N	Oil test. Drilled by The California Company. Altitude reported 1,351 feet. See log.
412	16.5	May 14, 1936	C,W	S	Rock curb and casing. Never fails. Reported pumps dry in 2 hours. "Gyp" taste reported.
413	14	do.	None	S	Iron curb and casing. Never fails. Reported pumps dry in 1 hour. Reported not fit for drinking.
414	20	May 1, 1936 f/	None	D	Brick curb and casing. Never fails. Mineral taste reported.
415	11.5	May 1, 1936	C,W	D	Galvanized curb and casing. Never fails. 5 feet drawdown reported pumping 24 hours.
416	19.7	May 1, 1936 f/	C,W	S	Concrete curb and casing. Never fails. Reported pumps dry in 24 hours.
417	--	--	None	N	Oil test. Drilled by the Landreth Production Corporation. See log.
418	15	May 1, 1936 f/	C,W	S	Concrete curb and casing. Never fails. 4 feet drawdown reported pumping 24 hours. Reported unfit for drinking.
419	49	June 16, 1936	C,W	S	Concrete curb; brick casing. Nearly fails in drought. Mineral taste reported.
420	16	do.	C,H	D	Concrete curb; brick casing. Never fails. No drawdown reported pumping 1 hour.
421	30.5	do.	B,H	D	Concrete curb; brick casing. Never fails. Mineral taste reported.
422	31	do.	C,W	S	Galvanized 6 inch casing. Never fails. Reported pumps dry in 1 hour. Mineral taste reported.
423	19.5	June 18, 1936	C,W	D	Galvanized iron curb and casing. Never fails. Reported pumps dry in 1 hour.
424	39.5	do.	C,W	D	Brick curb and casing. Never fails. 1 foot drawdown reported pumping 4 gallons a minute for 6 hours.
425	32.5	do.	C,W	D	Brick curb and casing. Never fails. Reported pumps dry in $\frac{1}{2}$ hour. Water in clay. Mineral taste.
426	35.5	do.	B,H	D	Galvanized iron curb and casing. Never fails. Reported pumps dry in $\frac{1}{2}$ hour. Water in clay.

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

e/ No water sample collected for analysis.

f/ Water level reported.

Records of wells and springs in Foard County--Continued.

No.	Distance from Crowell	Location in Section	Survey and Block	Owner	Date completed	Depth of well (ft.) a/	Diameter of well (in.)	Height of measuring point above ground (ft.) b/
e/427	8 miles south	NE corner SE $\frac{1}{4}$ sec. 456	H. & T.C. blk. A	Ferguson Bros.	--	31	48	1
e/429	8 $\frac{1}{2}$ miles south	NW corner sec. 494	do.	E. L. Thompson Est.	--	30	48	3
430	8 miles southwest	NE corner sec. 529	do.	F. R. Lefevre Est.	--	33	48	2
e/431	7 $\frac{1}{2}$ miles southwest	SW corner SE $\frac{1}{4}$ E $\frac{1}{2}$	S.F. & I.W.	C. G. McClain	--	35	48	4
432	7 $\frac{1}{2}$ miles south	Center S line SW $\frac{1}{4}$ sec. 490	H. & T.C. blk. A	Jenkins & Banks	--	31	48	3.5
e/433	do.	NW corner sec. 1	S.M. & S.	R. Bowman & A. V. Rascoe	--	25	36	3
e/434	7 miles south	SE corner SW $\frac{1}{4}$ sec. 490	H. & T.C. blk. A	T. F. Welsh	--	22	48	3
435	do.	Center N line NE $\frac{1}{4}$ sec. 495	do.	J. E. Atcheson	--	12	36	3
436	do.	NW corner sec. 495	do.	J. M. Glover	--	27	48	3
437	7 miles southwest	SW corner SE $\frac{1}{4}$	S. C. Armour	Lizzie Kincaid	--	25	48	4
438	6 miles southwest	NW corner	Fala Fox Hines	U. C. Rader	--	27	48	3
e/439	5 $\frac{1}{2}$ miles southwest	NE corner SE $\frac{1}{4}$	Nancy A. Horton	G. G. Mills	--	35	48	3
440	5 miles southwest	NE corner	do.	N. J. Jones	--	30	36	3
441	4 $\frac{3}{4}$ miles southwest	Center NW $\frac{1}{4}$ sec. 488	H. & T.C. blk. A	J. P. & S. Scott	--	26	36	3
e/442	5 $\frac{1}{2}$ miles south	NW corner SW $\frac{1}{4}$	Allen Killough	W. A. Cogdell	--	31	48	3
443	do.	NW corner	Hilario Sanchez	Emma E. Beverly	--	36	48	2.5
445	6 miles south	SE corner	do.	Rocia M. Taylor	--	27	48	--
446	do.	NW corner	John Montez	H. J. Watkins	--	14	48	3
e/447	5 $\frac{1}{2}$ miles south	SW corner	John Armstrong	do.	1928	3,720-6-5/8 dr		--
e/448	4 $\frac{1}{2}$ miles south	NE corner	Allen Killough	A. T. Miller	--	37	48	3.5
450	2 $\frac{1}{2}$ miles southwest	SW corner NW $\frac{1}{4}$ sec. 461	H. & T.C. blk. A	Green and Johnson	--	27	36	--
451	2 $\frac{1}{4}$ miles south	NW corner sec. 449	do.	R. L. Kincaid	--	23	36	2
452	1 $\frac{3}{4}$ miles south	NW corner SW $\frac{1}{4}$ sec. 447	do.	do.	--	24	36	2
453	1 $\frac{1}{2}$ miles south	SW corner NW $\frac{1}{4}$ sec. 447	do.	M. S. Henry	--	28	36	2
e/454	2 miles southwest	Center S $\frac{1}{2}$	Thos. Leftwitch	S. M. Roberts Est.	--	22- dr	6	1
455	1 $\frac{3}{4}$ miles south	Center NW $\frac{1}{4}$	do.	M. S. Henry	--	38- dr	6	1.5
e/457	1 $\frac{1}{2}$ miles west	NE corner NE $\frac{1}{4}$ sec. 484	H. & T.C. blk. A	S. H. Patton	--	40- dr	5-3/16	1.5

L. P. Huggins, Project Superintendent.

No.	Water Level		Pump and power c/	Use of water d/	Remarks
	Depth below measuring point (feet)	Date of measurement			
427	26.5	June 16, 1936	C,W	S	Concrete curb. Never fails. No drawdown reported pumping 24 hours. Mineral taste reported.
429	15	June 18, 1936	C,W	D	Galvanized iron curb and casing. Never fails. 10 feet drawdown reported pumping 4 gallons a minute for 24 hours.
430	26	June 9, 1936	B,H	D	Wood curb; rock casing. Never fails. Reported pumps dry in 2 hours pumping 6 gallons a minute.
431	31	do.	B,H	D	Concrete curb and casing. Never fails. Mineral taste reported. Water in clay.
432	21.5	do.	F,H	D	Brick curb and casing. Never fails. Mineral taste reported.
433	8.5	do.	B,H	D	Brick curb and casing. Never fails. Slight "gyp" taste reported.
434	18	do.	B,H	D	Do.
435	7.5	do.	C,W	S	Brick curb; 11½ feet brick casing at top. Never fails. Reported pumps dry in 2 hours.
436	25	do.	C,W	S	Brick curb and casing. Never fails. Reported pumps dry in ½ hour. Mineral taste reported.
437	22.5	May 26, 1936	C,W	S	Concrete curb; brick casing. Nearly fails in drought. Reported pumps dry in ½ hour.
438	21.5	June 9, 1936	C,W	D	Brick curb and casing. Never fails. Reported pumps dry in 1 hour. Mineral taste reported.
439	31	do.	C,W	D,S	Brick curb and casing. Never fails. 3 feet drawdown reported pumping ½ hour.
440	27.5	May 21, 1936	C,H	S	Concrete curb; brick casing. Never fails. 2 feet drawdown reported pumping ½ hour.
441	22.2	do.	C,H	D	Concrete curb; brick casing. Never fails. Reported pumps dry in 1 hour. "Gyp" taste reported.
442	27	June 9, 1936	B,H	D	Brick curb and casing. Never fails. Mineral taste reported.
443	21	do.	B,H	D	Brick curb and casing. Never fails. Good quality water reported.
445	24	do.	C,W	D	Galvanized iron curb and casing. Never fails. Reported pumps dry in 1 hour. "Gyp" taste reported.
446	10	do.	C,W	D	Brick curb and casing. Never fails. Reported pumps dry in 1 hour. Mineral taste reported.
447	--	--	None	N	Oil test. Drilled by The Texas Company. See log.
448	29.5	June 9, 1936	B,H	D	Brick curb and casing. Never fails. Mineral taste reported.
450	22.5	May 21, 1936	C,W	D	Concrete curb; brick casing. Never fails. 4 feet drawdown reported pumping 1 hour.
451	22	May 1, 1936 f/	C,W	S	Rock curb; brick casing. Never fails. Mineral taste reported.
452	--	May 1, 1936	C,W	S	Brick curb and casing. Never fails. Strong supply. Poor quality water reported, unfit for drinking.
453	--	do.	C,W	S	Concrete curb and casing. Never fails. Strong supply. "Gyp" taste reported.
454	18	May 20, 1936	C,W	S	Galvanized 6 inch casing. Never fails. Reported pumps dry in 1 hour. "Gyp" taste reported.
455	24	do.	C,F	D	Galvanized 6 inch casing. Never fails. 10 feet drawdown reported pumping 3 hours.
457	35	Apr. 29, 1936	B,H	D	Wood curb; galvanized 5-3/16 inch casing. Weak supply. Never fails. "Gyp" taste reported.

Records of wells and springs in Foard County--Continued.

No.	Distance from Crowell	Location in Section	Survey and Block	Owner	Date completed	Depth of well (ft.) a/	Diameter of well (in.) (in.)	Height of measuring point above ground (ft.) b/
e/458	1½ miles west	SE corner SE¼ sec. 483	H. & T.C. blk. A	S. S. Bell	--	49	36	2
459	do.	SW corner sec. 483	do.	do.	--	42-dr	5-3/16	0
460	1¾ miles west	Center N line NE¼ sec. 484	do.	Mrs. B. F. Hallmark	--	54	36	1
461	2¼ miles west	Center S line SW¼ sec. 483	do.	J. W. Wishon, et al.	--	28	36	1
462	2½ miles west	SE corner sec. 502	do.	Lincoln Nat'l Life Ins. Co.	--	40	36	1
463	2½ miles west	Center S line NW¼ sec. 484	do.	Mrs. M. A. Crawford	--	26	36	1
464	do.	NW corner NE¼ SW¼ sec. 484	do.	M. S. Henry	--	35	48	--
465	3 miles west	NW corner SE¼ sec. 501	do.	J. W. Wishon, et al.	--	30	180	--
e/466	2¾ miles west	SE corner sec. 501	do.	do.	--	40	48	3
e/467	2½ miles west	NW corner	Fred Rudge	S. S. Bell	--	26	36	3
468	2¾ miles southwest	Center W line	do.	J. M. Hill	--	26	36	3
e/469	do.	NE corner sec. 500	H. & T.C. blk. A	Fred Yates	--	35	48	2.5
e/470	4 miles west	NW corner NE¼ sec. 523	do.	Joe & J. J. Brown	--	20	36	--
e/471	4¼ miles southwest	NE corner sec. 524	do.	L. G. Allee	--	33	36	3
e/472	4½ miles southwest	Near NE corner sec. 524	do.	do.	--	28	48	3
473	3 miles southwest	SW corner sec. 485	do.	F. A. Davis	--	22	48	--
e/475	4 miles southwest	NE corner sec. 498	do.	J. M. Hill	--	15	36	3.5
476	4¼ miles southwest	SW corner SE¼ sec. 499	do.	F. C. Borchardt	--	23	36	3
477	4¾ miles southwest	NE corner sec. 525	do.	W. B. Jones	--	35	36	2.5
e/478	do.	Center E line sec. 525	do.	do.	--	38	24	3
479	5½ miles southwest	NE corner S½ sec. 28	H. & T.C. blk. 44	W. P. Maloney	--	32	36	--
480	do.	Center sec. 2	H.T. & B.	F. C. Borchardt	--	30	36	3
e/481	5 miles southwest	SE corner sec. 1	do.	W. M. Randolph Est.	--	33	36	3
e/482	6 miles southwest	SE corner SW¼	Nancy A. Horton	Mrs. Ruth Russell	--	28	48	--
e/483	7 miles southwest	SW corner	S. C. Armour	T. F. Welsh	--	21	48	1.5
484	6½ miles southwest	SE corner	Elizabeth Taylor	Aragonia Black	--	31	36	2
e/485	do.	SE corner SW¼	do.	G. C. McLain	--	26	48	--

L. P. Huggins, Project Superintendent.

No.	Water Level		Pump and power c/	Use of water d/	Remarks
	Depth below measuring point (feet)	Date of measurement			
458	26.5	Apr. 29, 1936	C,W	S	Concrete curb; rock casing. Never fails. 2 feet drawdown reported pumping 12 hours.
459	38.5	do.	B,F	D	Galvanized 5-3/16 inch casing. Bottom 10 feet perforated. Reported bails dry in 1 hour.
460	51.5	Apr. 30, 1936	C,W	S	No casing. Nearly fails in drought. Reported pumps dry in 2 hours. "Gyp" taste reported.
461	22	do.	C,W	S	Iron curb; no casing. Nearly fails in drought. "Gyp" taste reported.
462	38	do.	C,W	D	Wood curb; no casing. Nearly fails in drought. Fair quality water reported.
463	24	do.	C,W	D	Concrete curb; no casing. Nearly fails in drought. "Gyp" taste reported.
464	30	May 20, 1936	C,W	D	Concrete curb; rock casing. Never fails. Reported pumps dry in 1 hour. "Gyp" taste reported.
465	--	--	Cf,E	I	Estimated capacity: 150 gallons a minute for 24 hours with drawdown of 20 feet.
466	33	May 20, 1936	C,W	D	Concrete curb and casing. Never fails. Reported pumps dry in 2 hours. "Gyp" taste reported.
467	23.3	do.	C,H	D	Wood curb and casing. Never fails. 2 feet drawdown reported pumping $\frac{1}{4}$ hour.
468	21	do.	C,H	D	Brick curb and casing. Never fails. Reported pumps dry in 1 hour. "Gyp" taste reported.
469	30	do.	C,W	D	Concrete curb and casing. Never fails. Reported pumps dry in 2 hours.
470	5.5	do.	C,W	S	Concrete curb; rock casing. Never fails. 6 feet drawdown reported pumping 4 gallons a minute for 24
471	33	do.	C,H	D	Concrete curb; rock casing. Never fails. Re-ported pumps dry in $\frac{1}{4}$ hour. "Gyp" taste reported.
472	24	do.	C,W	D	Brick curb and casing. Never fails. Reported pumps dry in $\frac{1}{2}$ hour. "Gyp" taste reported.
473	18.5	do.	C,W	D	Brick curb and casing. Never fails. Strong supply. "Gyp" taste reported.
475	11.5	May 21, 1936	C,W	S	Brick curb and casing. Never fails. 3 feet drawdown reported pumping 4 gallons a minute for $\frac{1}{2}$ hour.
476	20.2	May 20, 1936	C,W	D	Brick curb and casing. Never fails. 2 feet drawdown reported pumping $\frac{1}{2}$ hour.
477	29.5	do.	C,W	S	Concrete curb; rock casing. Never fails. 4 feet drawdown reported pumping 4 gallons a minute for $\frac{1}{2}$
478	33.5	do.	C,W	S	Brick curb and casing. Never fails. 4 feet drawdown reported pumping 4 gallons a minute for 1
479	30	do.	C,H	S	Concrete curb; rock casing. Never fails. Re-ported pumps dry in $\frac{1}{2}$ hour pumping 2 gallons a minute.
480	26	May 21, 1936	C,W	D	Concrete curb; rock casing. Never fails. Reported pumps dry in 1 hour pumping 4 gallons a minute.
481	29	do.	C,W	D	Brick curb and casing. Never fails. 3 feet drawdown reported pumping 4 gallons a minute for $\frac{1}{2}$ hour.
482	26	May 25, 1936	None	N	Brick curb and casing. Never fails. Water reported too highly mineralized for use.
483	18	May 26, 1936	C,W	S	Brick curb and casing. Nearly fails in drought. Reported pumps dry in $\frac{1}{2}$ hour. "Gyp" taste reported.
484	25.5	May 25, 1936	B,H	S	Concrete curb; brick casing. Never fails. "Gyp" and salt taste reported.
485	23.5	May 25, 1936 f/	C,H	S	Brick casing. Never fails. "Gyp" taste reported. Water in clay.

Records of wells and springs in Foard County--Continued.

No.	Distance from Crowell	Location in Section	Survey and Block	Owner	Date completed	Depth of well (ft.) a/	Diameter of well (in.)	Height of measuring point above ground (ft.) b/
486	7½ miles southwest	NE corner S7¼	S.F.& I.W.	Frank Weatherall	--	30	36	3
487	do.	SE corner	James Bowie	J. W. Beverly Est.	--	36	48	3
488	do.	NE corner SW¼	John Sinclair	Geo. Self	--	39	36	3
489	do.	Center E line NW¼	Lenah Hallmark	A. W. Barker	--	34	36	4
e/490	7 miles southwest	SE corner sec. 2	H.T.& B.	P. H. McClain	--	34	36	2.5
491	do.	NE corner NW¼ sec. 2	do.	do.	--	29	36	1.5
492	do.	NE corner	Jesse Kelley	M. S. Henry	--	37	36	--
e/493	8½ miles southwest	SW corner sec. 25	H.& T.C. blk. 44	J. M. Speck	--	37	48	2.5
494	8 miles southwest	SE corner NW¼	William Tyler	F. A. Allen	--	23	36	--
495	9 miles southwest	NE corner SW¼	Lenah Hallmark	Dallas Land Bank	--	27	36	--
496	8 miles southwest	NW corner sec. 50	H.& T.C. blk. 44	Frank Weatherall	--	31	48	3
497	8½ miles southwest	SE corner N¼	McQuire Chesseau	Tom Callaway	--	27	48	2
e/498	do.	SE corner	M.E.P.& P.	E. V. Halbert	--	25	36	1.5
499	9 miles southwest	Center SE¼ sec. 72	H.& T.C. blk. 44	J. E. Stone	--	23	48	2.5
e/500	10 miles southwest	Center SW¼ sec. 75	do.	J. P. Lilly	--	24	48	3
e/501	do.	NW corner NW¼ sec. 75	do.	J. E. Stone	--	24	48	2.5
e/502	do.	SW corner sec. 72	do.	Claude Callaway	--	25	48	2.5
e/503	9½ miles southwest	SE corner NE¼ sec. 71	do.	C. R. Patterson	--	22	48	3
e/504	9 miles southwest	NW corner sec. 72	do.	J. H. McDaniel	--	25	48	0
505	do.	SW corner sec. 53	do.	A. L. Sloan, et al.	--	23	48	4
506	do.	NE corner sec. 71	do.	R. B. Lilly	--	27	48	2.3
e/507	do.	Center E line sec. 54	do.	I. N. Sparks Est.	--	21	48	3
e/508	do.	SE corner	Hrs., I.J. Thompson	R. E. Sparks	--	28	48	3
e/509	9½ miles southwest	Center N line NW¼ sec. 71	H.& T.C. blk. 44	R. B. Lilly	--	42	48	3
510	10 miles southwest	SW corner SE¼ sec. 71	do.	C. R. Patterson	--	23	36	2
e/511	10½ miles southwest	SW corner NE¼ sec. 76	do.	R. C. Stone	--	31	48	2.5
512	11½ miles southwest	Center SE¼ sec. 77	do.	Cliff Stone	--	22	48	2.5

I. P. Huggins, Project Superintendent.

No.	Water Level		Pump and power c/	Use of water d/	Remarks
	Depth below measuring point (feet)	Date of measurement			
486	25.5	May 26, 1936	C,H	S	Galvanized curb and casing. Never fails. Reported pumps dry in 1 hour pumping 4 gallons a minute.
487	26	May 25, 1936	C,W	S	Concrete curb; brick casing. Never fails. No drawdown reported pumping 1 hour. "Gyp" taste reported.
488	38.5	May 21, 1936	C,W	D	Concrete curb; brick casing. Never fails. 4 feet drawdown reported pumping 4 gallons a minute for 2
489	27.4	do.	C,W	D	Concrete curb; brick casing. Never fails. 6 hours. feet drawdown reported pumping 4 gallons a minute for
490	20.5	do.	C,W	D	Rock curb and casing. Never fails. 10 24 hours. feet drawdown reported pumping 4 gallons a minute for
491	22	May 20, 1936	E,H	D	Concrete curb; no casing. Never fails. 3 hours. "Gyp" taste reported.
492	30	do.	C,W	D	Galvanized curb and casing. Never fails. 6 feet drawdown reported pumping 4 gallons a minute for 2 hours.
493	30.5	do.	C,H	S	Rock curb and casing. Never fails. 6 feet drawdown reported pumping 2 gallons a minute for 2 hours.
494	19.5	do.	C,H	D	Rock casing. Never fails. 3 feet drawdown reported pumping 2 gallons a minute for 1 hour.
495	23	May 21, 1936	C,W	D	Concrete curb; rock casing. Never fails. Reported dry in 2 hours pumping 4 gallons a minute.
496	28	May 25, 1936	C,G	D	Galvanized curb. Never fails. No drawdown reported pumping 4 gallons a minute for 1 hour.
497	25.5	do.	C,W	D	Brick curb and casing. Never fails. Reported pumps dry in 1 hour. "Gyp" taste reported.
498	21	May 26, 1936	C,W	S	Rock curb and casing. Never fails. Reported pumps dry in 1/2 hour. "Gyp" taste reported.
499	22	June 12, 1936	C,W	D	Galvanized iron curb and casing. Never fails. Reported pumps dry in 1/2 hour.
500	19.5	do.	B,H	D	Galvanized iron curb and casing. Never fails. 4 feet drawdown reported pumping 1 hour.
501	20	do.	E,H	N	Concrete curb; brick casing. Never fails. Reported bails dry in 1 hour. "Gyp" and salt taste reported.
502	21	May 26, 1936 f/	C,W	D	Rock curb and casing. Never fails. Water in clay. Reported pumps dry in 1 hour. "Gyp" taste reported.
503	17.5	May 26, 1936	C,H	D	Brick curb and casing. Never fails. 4 feet drawdown reported pumping 1 hour. "Gyp" taste reported. Water
504	21	May 26, 1936 f/	C,W	S	Rock casing. Nearly fails in drought. Re- in clay. ported pumps dry in 1 hour. "Gyp" taste reported.
505	15.5	May 26, 1936	C,W	S	Brick curb and casing. Nearly fails in drought. 5 feet drawdown reported pumping 2 gallons a minute for
506	22.5	do.	C,W	D	Brick curb and casing. Never fails. 4 feet 1 hour. drawdown reported pumping 4 gallons a minute for 2
507	19	do.	E,H	D	Concrete curb; brick casing. Never fails. hours. Weak supply. "Gyp" taste reported. Water in clay.
508	27	May 25, 1936	B,H	S	Brick curb and casing. Never fails. "Gyp" taste reported.
509	38	May 26, 1936	B,H	D	Galvanized iron curb and casing. Weak supply. Never fails. "Gyp" taste reported. Water in clay.
510	18	do.	B,H	S	Rock curb and casing. Never fails. "Gyp" taste reported.
511	21	May 26, 1936 f/	E,H	D	Brick curb; rock casing. Weak supply. Never fails. "Gyp" taste reported.
512	12.5	June 18, 1936	C,W	D	Brick curb and casing. Never fails. No drawdown reported pumping 2 hours. Water in clay.

Records of wells and springs in Foard County--Continued.

No.	Distance from Crowell	Location in Section	Survey and Block	Owner	Date completed	Depth of well (ft.) a/	Diameter of well (in.)	Height of measuring point above ground (ft.) b/
513	11 miles southwest	SE corner NE $\frac{1}{4}$ sec. 77	H. & T.C. blk. 44	E. O. Traweek	--	23	36	3
e/514	do.	Center SW $\frac{1}{4}$ sec. 70	do.	S. T. Lilly	--	40	48	1.5
e/515	10 miles southwest	NE corner sec. 70	do.	M. J. Traweek	--	46	48	2
516	9 $\frac{1}{2}$ miles southwest	Center S line SW $\frac{1}{4}$	Hrs., I.J. Thompson	M. M. Shelton	--	41	48	2
517	do.	Near SW corner	do.	do.	--	35	48	3
518	10 $\frac{1}{2}$ miles southwest	SE corner NW $\frac{1}{4}$	Jac. Smith	J. H. Lanier	--	27	36	2.5
519	10 miles southwest	NW corner SW $\frac{1}{4}$	Joel Wofford	Edna Bell	--	36	36	3
e/520	11 miles southwest	SW corner SE $\frac{1}{4}$	D. D. D. Baker	J. E. Long	--	27	36	3
521	12 $\frac{1}{2}$ miles southwest	NE corner NW $\frac{1}{4}$ sec. 79	H. & T.C. blk. 44	J. N. Bell	--	30	30	3.5
e/522	13 miles southwest	SE corner sec. 79	do.	G. W. Brown	--	30	36	0
e/523	13 $\frac{1}{2}$ miles southwest	SW corner sec. 89	do.	Big 4 Ranch Co.	1928	3,502-dr	6-5/8	--
524	do.	NW corner SW $\frac{1}{4}$ sec. 66	do.	D. N. Fortner	--	50	36	1
525	14 $\frac{1}{2}$ miles southwest	SE corner SW $\frac{1}{4}$ sec. 66	do.	H. N. Fortner	--	29	36	3
526	15 miles southwest	Near SW corner SE $\frac{1}{4}$ sec. 65	do.	R. L. Kincaid	--	18	36	2
527	16 miles southwest	NW corner NE $\frac{1}{4}$ sec. 83	do.	F. B. Bassett	--	14	36	3
528	do.	NW corner sec. 64	do.	D. C. Greer	--	23	36	3

a/ All wells are dug unless driven or drilled well is indicated by "dr" under "Depth."

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

c/ C, cylinder; W, windmill; H, hand; B, bucket or bailer; Cf, centrifugal; G, gasoline engine; E, electric motor.

L. P. Huggins, Project Superintendent.

No.	Water Level		Pump and power c/	Use of water d/	Remarks
	Depth below measuring point (feet)	Date of measurement			
513	17.5	May 26, 1936	E,H	S	Concrete curb; brick casing. Never fails. "Gyp" taste reported.
514	32	May 26, 1936 f/	B,H	S	Rock curb and casing. Weak supply. Never fails. "Gyp" taste reported. Unfit for drinking.
515	42	do.	E,H	S	Rock curb; no casing. Weak supply. Never fails. "Gyp" taste reported. Reported unfit for drinking.
516	39.5	May 25, 1936	C,W	S	Brick curb and casing. Never fails. Reported dry in $\frac{1}{2}$ hour pumping 4 gallons a minute.
517	32	do.	C,W	S	Brick curb and casing. Never fails. Reported dry in 1 hour pumping 4 gallons a minute.
518	27	May 21, 1936	C,W	D	Concrete curb; brick casing. Never fails. 5 feet drawdown reported pumping 4 gallons a minute for 2
519	32	do.	B,H	S	Concrete curb; brick casing. Never fails. 1 hours. "Gyp" taste reported.
520	17	do.	None	S	Brick curb and casing. Never fails. Bad quality water. "Gyp" taste reported.
521	28.5	May 25, 1936	B,H	D	Brick curb and casing. Never fails. 2 feet drawdown reported pumping 6 gallons a minute for 2 hours.
522	27.5	May 25, 1936 f/	E,H	D	Rock casing. Never fails. "Gyp" taste reported. Water in clay.
523	--	--	None	N	Oil test. Drilled by C. W. Clark, et al. See log.
524	34	May 25, 1936	B,H	N	Rock curb and casing. Never fails. Reported too mineralized for use.
525	21.5	do.	None	S	Rock curb and casing. Never fails. "Gyp" taste reported.
526	17	do.	C,W	S	Rock curb and casing. Never fails. Reported too highly mineralized for drinking.
527	11.5	do.	B,H	S	Wood curb; rock casing. Never fails. "Gyp" taste reported. Unfit for drinking.
528	15.5	do.	C,H	S	Rock curb and casing. Nearly fails in drought. 7 feet drawdown reported pumping 2 gallons a minute for $\frac{1}{2}$ hour.

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

/ No water sample collected for analysis.

/ Water level reported.

Table of Drillers' Logs, Foard County, Texas

Driller's log of well 22
 Humble Oil and Refining Co., T. L.
 Burnett lease. 15 miles west of Crowell.

	Thickness (feet)	Depth (feet)
Cellar-	-13	13
Red bed-	-2	15
Gypsum rock-	-5	20
Yellow gypsum-	-25	45
Gypsum and red rock-	-15	60
Yellow gypsum, shells and red rock-	-15	75
Gypsum-	-15	90
Brown shale	-5	95
Gypsum-	-10	105
White lime-	-5	110
Gypsum-	-5	115
Red rock-	-15	130
White lime-	-15	145
Red rock-	-10	155
Blue shale-	-5	160
Lime-	-5	165
Blue shale-	-5	170
White lime-	-10	180
Blue shale-	-15	195
Shale and gray shells-	-20	215
Lime-	-10	225
Red rock-	-5	230
Lime-	-5	235
Blue shale-	-10	245
Pink shale-	-5	250
Lime-	-6	256
Shale-	-4	260
Lime-	-10	270
Red rock-	-15	285
Shale-	-10	295
Red rock-	-10	305
Lime-	-5	310
Blue shale-	-30	340
Gray shale-	-10	350
Blue shale-	-7	357
Gray lime-	-3	360
Shale-	-8	368
Lime-	-4	372
Red shale-	-58	430
Gray lime-	-5	435
Red shale-	-18	453
Arhydrite-	-7	460
White lime-	-15	475
Red rock-	-45	520
Red shale-	-35	555
Shale and red lime shells-	-35	590
Lime-	-10	600
Red rock-	-35	635
Lime-	-5	640
Red shale-	-5	645
Lime-	-13	658
Red shale-	-2	660

Driller's log of well 22--Continued

	Thickness (feet)	Depth (feet)
Lime-	15	670
Red shale	45	720
Brown shale	20	740
Broken lime-	15	755
Red shale-	25	780
Red rock-	10	790
Lime-	15	805
Red shale-	220	1025
Blue shale-	45	1070
Red shale-	5	1075
Blue shale-	5	1080
White lime-	12	1092
Blue shale and shells-	14	1106
Lime-	3	1109
Blue shale-	16	1125
Lime-	10	1135
Blue shale-	20	1155
Lime-	40	1195
Red shale-	55	1250
White lime-	5	1255
Red shale-	90	1345
Gray lime-	12	1357
Shale and red shells-	23	1385
Yellow shale-	10	1395
Gray lime-	15	1410
Red shale-	10	1420
White lime-	15	1435
Red shale-	25	1460
Lime-	10	1470
Shale and red shells-	45	1515
Gray shale-	25	1540
Brown shale-	35	1575
Red shale-	10	1585
White lime-	15	1600
Red shale and shells-	25	1625
Blue shale-	8	1633
Gray lime-	22	1655
Gray shale-	5	1660
White lime-	45	1705
Blue shale-	5	1710
Gray lime-	50	1760
Broken lime and gray shale-	75	1835
Broken gray lime-	65	1900
Blue shale-	35	1935
Broken gray lime-	215	2200
Gray lime-	105	2505
Dark shale-	15	2320
Gray lime-	25	2345
Sandy lime-	35	2380
Blue sandy shale-	30	2410
Sandy lime-	30	2440
Water sand-	25	2465
Gray sandy lime-	58	2523
Sandy lime-	12	2535
Red rock-	5	2540

(Continued on next page)

Table of Drillers' Logs, Foard County--Continued

Driller's log of well 22--Continued

	Thickness (feet)	Depth (feet)
Gray sandy lime-	15	2555
Gray sandy shale-	30	2535
Water sand-	15	2600
Hard lime-	30	2630
Gray sand-	35	2665
Blue shale-	3	2668
Sandy lime-	57	2725
Blue shale-	15	2740
Lime-	13	2753
Gray shale-	7	2760
Gray lime-	30	2790
Lime shells and shale-	15	2815
Broken lime-	25	2840
Gray water sand-	15	2855
Red shale-	9	2864
Gray lime-	4	2868
Red bed-	37	2905
Water sand-	20	2925
Shale and shells-	15	2940
Brown lime-	3	2943
Red rock-	7	2950
Blue shale-	5	2955
Blue slate-	5	2960
Red bed-	5	2965
Blue shale-	12	2977
Red rock-	3	2980
Dry sand-	10	2990
Water sand-	8	2998
White sand-	7	3005
Blue shale-	8	3013
Blue slate-	1	3014
White sandy lime-	21	3035
TOTAL DEPTH-		4299

Driller's log of well 26
The Texas Co., Jessie H. Johnson lease.
18 miles west of Crowell.

Herd white surface-	21	21
Soft red bed-	8	29
Soft sand, hole full of water	3	32
Soft gray shale-	11	43
Hard gypsum, hole full of water-	1	44
Gray shale and gravel-	12	56
Soft blue shale-	4	60
Soft red rock-	10	70
Hard gray gypsum and sand	5	75
Red rock-	175	250
Soft blue shale-	42	292
Soft red shale-	48	340
Hard gray lime-	10	350
Soft red shale-	27	377
Hard white lime-	12	389
Soft red shale-	116	505
Soft gray and red shale-	102	607

Driller's log of well 26--Continued

	Thickness (feet)	Depth (feet)
Soft blue shale-	75	682
Hard gray lime-	8	690
Soft blue shale-	35	725
Hard gray lime-	10	735
Soft blue shale-	21	756
Hard gray lime-	12	768
Soft blue shale-	17	785
Soft red shale-	56	841
Hard gray lime-	5	846
Soft blue shale-	9	855
Red shale-	82	937
Soft pink shale-	36	973
Hard gray lime-	17	990
Soft pink shale-	19	1009
Hard gray lime-	11	1020
Soft pink shale-	6	1026
Hard gray lime-	7	1033
Soft red shale-	77	1110
Hard gray lime-	7	1117
Blue shale-	12	1129
Soft red shale-	23	1152
Gray shale and lime-	73	1225
Hard gray lime-	35	1260
Blue shale-	5	1265
Hard gray lime-	10	1275
Blue shale-	9	1284
Hard gray lime-	4	1288
Blue shale-	18	1506
Hard gray lime-	6	1312
Gray shale and lime-	8	1320
Blue shale-	20	1340
Hard gray lime-	15	1355
Hard gray lime and shale-	20	1375
Hard gray lime-	10	1385
Hard gray lime and shale-	20	1405
Blue shale-	12	1417
Hard gray lime and shale	126	1543
Hard dark gray lime-	152	1695
Hard and soft lime and shale	45	1740
Hard gray sandy lime	12	1752
Hard and soft lime and shale	36	1788
Gray sandy lime-	94	1882
Soft gray sand-	46	1928
200 feet of water in hole.		
Hard gray sandy lime-	45	1973
Blue shale-	10	1983
Red shale-	3	1986
Blue shale-	4	1990
Hard gray sandy lime-	7	1997
Hard gray, broken sandy lime-	30	2027
Gray sandy lime, hole full of water-	38	2065
Gray sandy lime-	23	2088
TOTAL DEPTH-		3571

CASING RECORD: 56 feet of 20 inch casing. 682 feet of 15¹/₂ inch casing. 1137 feet of 12¹/₂ inch casing. 2394 feet of 10 inch casing. 3123 feet of 8¹/₂ inch casing. 3486 feet of 6-5/8 inch casing.

Table of Drillers' Logs, Foard County--Continued

Driller's log of well 42
The Texas Co., J. J. McCoy lease. 6 miles northwest of Crowell.

	Thickness (feet)	Depth (feet)
Red shale-	53	53
Sandy shale-	11	69
Red shale-	221	290
Sandy shale-	15	305
Red shale-	439	744
Gray lime-	44	788
Red shale-	30	818
Gray lime-	2	820
Gray broken shale-	100	920
Red shale-	400	1320
Blue shale-	160	1480
Shale and lime shells-	70	1550
Gray shale-	25	1575
Hard lime-	3	1578
Lime and shells-	48	1626
Gray shale-	14	1640
S shale and shells-	73	1713
Hard gray lime-	6	1724
Blue shale-	16	1740
Shale and shells-	61	1801
Blue shale-	5	1806
Hard lime-	21	1827
Blue shale-	8	1835
Shale and lime shells-	15	1850
Hard lime-	47	1997
Gray slate-	5	2002
Hard gray lime-	16	2018
Shale and lime shells-	66	2084
Gray lime-	76	2160
Water sand-	10	2170
7 bailers per hour.		
Gray sandy lime-	41	2211
Gray sand, water-	30	2241
Hard sandy lime-	9	2250
Hard lime-	2	2252
Blue shale-	11	2263
Red shale-	22	2285
Water sand-	5	2290
2 bailers per hour.		
Blue shale-	11	2301
Hard gray lime-	24	2325
Soft gray water sand-	9	2334
1 bailer per hour.		
Blue shale-	12	2346
Soft gray sand-	4	2350
6 bailers per hour.		
Hard gray sandy lime-	35	2385
Hard gray lime-	15	2400
Soft gray sand, water-	5	2405
Blue shale-	7	2412
Hard gray lime-	2	2414
Soft gray sand, water-	46	2460
Hard blue lime-	10	2470
Blue shale-	35	2505
Red shale-	10	2515

Driller's log of well 42--Continued

	Thickness (feet)	Depth (feet)
Hard gray lime-	30	2545
TOTAL DEPTH-		3915

Driller's log of well 184
G. J. Woods, Lizzie J. Muesse lease.
5 1/2 miles northeast of Crowell.

	Thickness (feet)	Depth (feet)
Surface soil-	18	18
Gravel (Salt water)-	6	24
Red shale-	731	755
Blue shale-	65	820
Lime-	3	823
Blue shale-	12	835
Lime-	30	865
Gray shale-	10	875
Gray lime-	45	920
Blue shale-	17	937
Lime-	11	948
Gray shale-	87	1035
Broken lime-	30	1065
Lime-	15	1080
Blue shale-	5	1085
Lime-	5	1090
Blue shale-	5	1095
Lime-	23	1118
Blue shale-	4	1122
Lime-	23	1145
Blue shale-	35	1180
Gray lime-	5	1185
Gray shale-	12	1197
Lime-	3	1200
Gray shale-	12	1212
Lime-	13	1225
Blue shale-	10	1235
Gray lime-	10	1245
Blue shale-	25	1270
Gray lime-	20	1290
Blue shale-	2	1292
Gray lime-	21	1313
Blue shale-	5	1318
Broken lime and shale-	1	1319
Lime-	16	1335
Shale-	2	1337
Lime, 5 bailers per hour-	93	1430
Broken lime and shale-	5	1435
Lime-	5	1440
Blue shale-	5	1445
Lime-	55	1500
Broken lime and shale-	10	1510
Lime-	40	1550
Blue shale-	10	1560
Lime-	5	1565
Dry sand-	15	1580
Blue shale-	5	1585
Lime-	15	1600
Sand, 5 bailers water per hour-		
	15	1615
Slate-	5	1620

(Continued on next page)

Table of Drillers' Logs, Board County--Continued

Driller's log of well 184--Continued

	Thickness (feet)	Depth (feet)
Blue shale-	35	1655
Lime-	20	1675
Slate-	5	1680
Lime-	20	1700
Blue shale-	30	1730
Blue slate-	2	1732
Hard lime-	15	1747
Blue slate-	6	1753
Lime-	3	1756
Blue shale-	17	1773
Lime-	17	1790
Blue shale-	5	1795
Blue slate-	10	1805
Hard lime-	25	1830
Blue shale-	5	1835
Dry sand-	5	1840
Blue shale-	20	1860
Lime-	10	1870
Blue shale-	5	1875
Sand, 2 bailers of water per hour-	10	1885
Blue shale-	3	1388
Lime-	27	1915
TOTAL DEPTH		3180

Driller's log of well 250

Boss and Dillard, R. Huskey lease. 9 miles east of Crowell.

Surface-	12	12
Red clay-	7	19
Yellow clay-	3	22
Sand-	28	50
Hard sand-	14	64
Red rock, red bed-	135	199
Broken shale, red rock	186	385
Broken sand lime-	19	404
Red shale-	24	428
Lime-	3	431
Sticky shale-	21	452
Hard shale-	12	464
Sandy shale-	32	496
Lime-	3	499
Shale-	8	507
Broken lime-	9	516
Lime-	5	521
Sticky shale-	31	552
Lime-	8	560
Shale and lime shells-	20	580
Lime-	10	590
Broken lime and shale-	35	625
Shale-	7	632
Lime-	2	634
Hard lime-	18	652
Sticky shale-	6	658
Lime-	3	661
Sticky shale-	5	666

Driller's log of well 250--Continued

	Thickness (feet)	Depth (feet)
Broken lime and gypsum streaks-	31	697
Lime-	2	699
Sticky shale-	6	705
Lime-	3	708
Sticky shale-	4	712
Lime-	2	714
Shale and lime shells	5	719
Lime-	2	721
Broken lime-	12	733
Anhydrite and lime-	20	753
Anhydrite shale and lime shells-	25	778
Broken anhydrite lime-	18	796
Broken lime-	8	804
Lime-	4	808
Shale-	7	815
Lime	2	817
Sticky shale and shells-	15	832
Broken anhydrite, shale-	24	856
Hard anhydrite-	13	869
Broken shale and anhydrite-	41	910
Broken gypsum, shale-	12	922
Shale hard lime shells-	6	928
Gypsum-	12	940
Shale and lime shells-	51	991
Sandy shale, little gas show	7	998
TOTAL DEPTH-		2627

Driller's log of well 264

Luther Webb, J. G. Thompson lease. 10 1/2 miles east of Crowell.

Surface-	6	6
Water sand-	4	10
Red bed-	21	31
Sand-	5	36
Red bed-	82	118
Sand-	29	147
Sand and shale-	173	320
Broken lime-	65	385
Shale and lime streaks	4	389
Broken lime-	466	855
Gas sand-	20	875
Broken lime-	160	1035
Gumbo-	2	1037
Broken lime-	78	1115
Shale and shells-	20	1135
Hard lime-	11	1146
Broken lime-	14	1160
TOTAL DEPTH-		2154

Driller's log of well 335

Humble Oil and Refining Co., John Matus lease. 11 miles east of Crowell.

Red bed-	15	15
Water sand-	35	50
Red bed-	285	335

(Continued on next page)

Table of Drillers' Logs, Foard County--Continued

Driller's log of well 335--Continued

	Thickness (feet)	Depth (feet)
Gray lime-	5	340
Brown shale-	40	380
Lime shells and shale-	20	400
Gray shale and lime shells-	25	425
Gray shale-	5	430
Gray lime-	30	460
White lime-	5	465
Blue shale-	25	490
Lime, shells, and shale-	55	545
Blue shale-	5	550
Broken white lime-	30	580
Gray shale-	20	600
Broken gray lime-	20	620
Blue shale-	5	625
TOTAL DEPTH-		1620

Driller's log of well 411
The California Co., W. H. Nichols, Sr.
lease. 9 miles southeast of Crowell.

Surface soil-	21	21
White sand-	1	22
Red shale-	23	45
Soft shale-	201	246
Soft red sandy shale-	55	301
Soft red and blue shale-	84	385
Soft red shale and shells-	120	505
Lime shells, and gray mud-	2	507
Red shale and shells-	143	650
Broken, hard gray lime-	5	655
Broken lime and shale-	46	701
Hard brown lime-	24	725
Broken formation; lime and shale-	62	787
Hard lime with small shale breaks-	48	835
Sticky blue shale-	6	841
Lime-	19	860
Broken formation; lime and shale breaks-	52	912
Anhydrite and shale-	74	986
Anhydrite-	48	1034
Anhydrite and lime-	203	1237
Anhydrite and black lime-	62	1299
TOTAL DEPTH-		3651

Driller's log of well 417
Landreth Production Corp. Furd Halsell
lease. 8 $\frac{1}{2}$ miles south of Crowell.

Red mud-	30	30
Lime shells-	6	36
Red mud and red rock-	674	710
Lime-	7	717
Red bed-	73	790
Lime and slate-	130	920
Shells-	40	960
Broken lime-	85	1045

Driller's log of well 417--Continued

	Thickness (feet)	Depth (feet)
Lime-	110	1155
Slate-	65	1220
Lime-	30	1250
Lime and slate-	330	1580
Sand-	10	1590
Slate-	45	1635
Sand-	10	1645
Slate and broken lime-	30	1675
6 bailers of water per hour.		
Slate-	60	1735
Sand, hole full of water-	10	1745
Slate-	7	1752
Lime-	18	1770
Slate-	20	1790
Water pocket, 6 bailers water per hour-	5	1795
Red rock-	10	1805
Slate-	33	1838
Sandy shale-	12	1850
Lime-	60	1910
Slate-	10	1920
Lime-	25	1945
Red rock-	5	1950
Lime-	20	1970
Red rock-	25	1995
Broken lime-	20	2015
Slate and brown lime-	25	2040
Red rock-	30	2070
Lime-	3	2073
Red rock-	27	2100
Water sand-	25	2125
Red rock-	15	2140
Lime-	5	2145
Red rock-	15	2160
Shell-	10	2170
Red rock-	27	2197
Shell-	18	2215
Blue slate-	20	2235
Lime-	2	2237
Blue slate-	3	2240
Sand-	20	2260
Blue slate-	40	2300
Lime-	10	2310
Blue slate-	25	2335
Water sand, hole full of water-	15	2350
Black slate-	5	2355
Sand-	10	2365
Lime-	5	2370
Blue slate-	12	2382
Blue shale-	18	2400
Pink slate-	20	2420
Lime shells-	20	2440
Red rock-	5	2445
Colored shale-	45	2490

(Continued on next page)

Table of Drillers' Logs, Foard County--Continued

Driller's log of well 417--Continued			Driller's log of well 447--Continued		
	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Lime- - - - -	8	2498	Gray lime shells- - - - -	7	702
Blue shale- - - - -	17	2515	Red rock- - - - -	122	824
Lime- - - - -	10	2525	Brown shale- - - - -	69	893
Shells and break- - - - -	30	2555	Blue shale- - - - -	32	925
Blue shale, caving- - - - -	27	2582	Gray lime- - - - -	4	929
Lime- - - - -	13	2595	Blue shale- - - - -	4	933
Broken lime- - - - -	50	2645	Gray lime- - - - -	4	937
Lime- - - - -	25	2670	Gray shale and shells - - -	46	983
Blue slate- - - - -	50	2720	Gray lime- - - - -	4	987
Lime- - - - -	40	2760	Gray shale and shells- - -	18	1005
Sand- - - - -	25	2785	Gray lime- - - - -	22	1027
Shale- - - - -	50	2835	Blue shale- - - - -	14	1041
Blue slate- - - - -	10	2845	Gray lime- - - - -	3	1044
Sand, hole full of water - -	63	2908	Gray shale and shells- - -	16	1060
Lime- - - - -	13	2921	Blue shale- - - - -	20	1080
Underreamed 6-inch and set at		2910 feet.	Gray shale and shells- - -	9	1089
Shale- - - - -	49	2970	White lime- - - - -	14	1103
Slate- - - - -	10	2980	Gray shale and shells- - -	47	1150
Sand, 2 bailers water per			Gray lime- - - - -	11	1161
hour- - - - -	15	2995	Gray shale and shells- - -	9	1170
Lime- - - - -	20	3015	White lime- - - - -	17	1187
Shale- - - - -	270	3285	Gray lime- - - - -	38	1225
Water sand, hole full of			Gray shale and shells- - -	23	1248
water- - - - -	15	3300	Gray lime- - - - -	6	1254
Shale- - - - -	50	3350	Blue shale- - - - -	86	1340
Sand- - - - -	40	3390	Gray lime- - - - -	6	1346
Lime- - - - -	10	3400	Gray shale and shells- - -	36	1382
Sandy shale- - - - -	50	3450	Blue shale- - - - -	11	1393
Shale- - - - -	65	3515	Gray shale and shells- - -	6	1399
Sand- - - - -	20	3535	Gray lime- - - - -	26	1425
Slate- - - - -	70	3605	Blue shale- - - - -	16	1441
Lime- - - - -	5	3610	Gray shale and shells- - -	6	1447
Black slate- - - - -	25	3635	Gray lime- - - - -	143	1590
Lime- - - - -	40	3675	Blue slate- - - - -	25	1615
Sandy shale- - - - -	50	3725	Gray lime- - - - -	35	1650
Lime- - - - -	5	3730	1 bailer water at 1625 feet.		
Shale- - - - -	40	3770	Gray shale and shells- - -	11	1661
Water sand, hole full of			Gray lime- - - - -	19	1680
water- - - - -	24	3794	Blue shale- - - - -	35	1715
TOTAL DEPTH- - - - -		3794	Gray lime- - - - -	15	1730
			Blue shale- - - - -	10	1740
			Gray lime- - - - -	12	1752
			Red bed- - - - -	2	1754
			Gray lime- - - - -	12	1766
			Blue shale- - - - -	12	1778
			Gray sandy lime- - - - -	59	1837
			Gray shale- - - - -	10	1847
			Red shale- - - - -	3	1850
			Gray sandy lime- - - - -	20	1870
			Water, 10 bailers per hour.		
			Gray shale and shells- - -	8	1878
			Blue shale- - - - -	14	1892
			Gray lime- - - - -	23	1915
			Sandy lime, water.		

(Continued on next page)

Table of Drillers' Logs, Foard County--Continued

Driller's log of well 447--Continued

	Thickness (feet)	Depth (feet)
Blue shale- - - - -	4	1919
White lime, water- - - - -	-28	1947
Blue shale- - - - -	9	1956
Gray sandy lime, water- - - - -	-14	1970
Hole full of water.		
Gray sandy lime- - - - -	-85	2055
TOTAL DEPTH- - - - -		3720

Driller's log of well 523

C. W. Clark et al. Big 4 Ranch Co. lease.
13½ miles southwest of Crowell.

	Thickness (feet)	Depth (feet)
Red rock- - - - -	-20	20
Gypsum- - - - -	2	22
Red rock- - - - -	213	235
Red rock and blue shale- - - - -	45	280
Red rock- - - - -	225	505
Blue shale - - - - -	2	507
Red rock- - - - -	76	583
Blue shale- - - - -	11	594
Red rock- - - - -	46	640
Brown shale- - - - -	45	685
Blue shale- - - - -	25	710
Red rock- - - - -	40	750
Lime- - - - -	10	760
Red rock- - - - -	280	1040
TOTAL DEPTH- - - - -		3502

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

Well 56

Rolling prairie, City of Crowell Water Works tract, SE corner NW $\frac{1}{4}$ sec. 482, H. & T. C. Ry. Co. Survey, Block A, 2 $\frac{1}{2}$ miles northwest of Crowell.

	Thickness (feet)	Depth (feet)
Surface clay with gravel-	3	3
Sandy red clay-	2	5
Hard red clay-		5
No water sample collected. Aug. 20, 1936		

Well 57

Rolling prairie, City of Crowell Water Works tract, SW corner NW $\frac{1}{4}$ sec. 482, H. & T. C. Ry. Co. Survey, Block A. 2 $\frac{3}{4}$ miles northwest of Crowell.

Surface sand-	2	2
Red clay and gypsum -	3	5
Solid gypsum-		5
No water sample collected. Apr. 29, 1936.		

Well 59

Lake and Creek bank, City of Crowell Water Works tract, NW corner NE $\frac{1}{4}$ sec. 482, H. & T. C. Ry. Co. Survey, Block A, 1 $\frac{3}{4}$ miles northwest of Crowell.

Surface soil-	1	1
Red sandstone-	3	4
Blue sandstone -	1	5
Red sandstone-	1	6
Blue sandstone-	1	7
Red clay-	$\frac{1}{2}$	7 $\frac{1}{2}$
Blue sandstone-	1	8 $\frac{1}{2}$
Red sandstone-	1	9 $\frac{1}{2}$
Blue sandstone-	1	10 $\frac{1}{2}$
Hard red clay-	$\frac{1}{2}$	11
Blue sandstone-	4	15
Struck water at 7 feet above red clay. Water level, 5 feet below top of ground, 24 hours after hole completed. No water sample collected. Aug. 11, 1936.		

Well 71

Hillside, W. B. Johnson et al. tract, NW corner NE $\frac{1}{4}$ sec. 514, H. & T. C. Ry. Co. Survey, Block A, 8 miles northwest of Crowell.

Red clay-	3	3
Red and blue clay-	4	7
Blue clay-	1	8
Gravel and blue clay -	3	11
Struck solid rock at 11 feet. No water sample collected. June 19, 1936.		

Well 72

River bank. W. B. Johnson et al. tract, SE corner Sec. 513, H. & T. C. Ry. Co. Survey, Block A. 9 miles northwest of Crowell.

	Thickness (feet)	Depth (feet)
Coarse sand-	2	2
Fine red sand and small rocks	4	6
Blue shale-	1	7
Struck water at 7 feet. No water sample collected. June 19, 1936.		

Well 84

O. B. Davis tract, center S line, SW $\frac{1}{4}$ sec. 433, H. & T. C. Ry. Co. Survey, Block A, 7 miles north of Crowell

Surface sand-	1	1
Dark soil-	4	5
Red clay-	7	12
Struck water at 8 feet. No water sample collected. May 8, 1936.		

Well 87

Valley sand flat, O. B. Davis tract, SE corner SE $\frac{1}{4}$ sec. 433, H. & T. C. Ry. Co. Survey, Block A, 7 $\frac{1}{2}$ miles north of Crowell.

Surface sand-	2	2
Red clay and brown sand-	4	6
Red clay and red sand-	6	12
Struck water at 11 feet. No water sample collected. Apr. 22, 1936.		

Well 93

Slope, side of county road, near NE corner sec. 431, H. & T. C. Ry. Co. Survey, Block A, 6 $\frac{1}{2}$ miles north of Crowell.

Surface sand-	2	2
Red clay-	7	9
Red clay and streaks of blue gypsum -	6	15
Blue shale and red clay -	1	16
Gravel and clay-	2	18
Water level 17 feet below top of ground $\frac{1}{2}$ hour after hole completed. No water sample collected. Apr. 28, 1936.		

Well 100

Creek bed, side of county road, near NE corner NE $\frac{1}{4}$ sec. 470, H. & T. C. Ry. Co. Survey, Block A, 6 miles north of Crowell.

Red silt and clay-	14	14
Red packed clay-		14
Struck water at 8 feet. No water sample collected. May 22, 1936.		

Logs of test wells in Ford County--Continued

Well 104

Rolling plain, side of county road, near center N line sec. 467, H. & T. J. Ry. Co. Survey, Block A, 4 miles north of Crowell.

	Thickness (feet)	Depth (feet)
Surface sand-	1	1
Red clay-	3	4
Hard formation at 4 feet.		
No water sample collected. Apr. 29, 1936.		

Well 106

Rolling plain, side of county road, SE corner sec. 468, H. & T. J. Ry. Co. Survey, Block A, 4 miles north of Crowell.

Surface soil-	3	3
Birds eye clay-	3	6
Red clay-	1	7
No water sample collected. May 22, 1936.		

Well 118

Flat, side of county road, center SE $\frac{1}{4}$ sec. 427, H. & T. J. Ry. Co. Survey, Block A, 1 $\frac{3}{4}$ miles northeast of Crowell.

Surface soil-	5	5
Light brown clay-	$\frac{1}{2}$	5 $\frac{1}{2}$
Sand and clay-	1	6 $\frac{1}{2}$
Red clay-	4	10 $\frac{1}{2}$
Struck gravel at 10 $\frac{1}{2}$ feet.		
No water sample collected. June 17, 1936.		

Well 121

Flat, side of county road, SE corner SW $\frac{1}{4}$ sec. 428, H. & T. J. Ry. Co. Survey, Block A, 2 $\frac{1}{4}$ miles northeast of Crowell.

Surface soil-	3	3
Red clay and gravel-	8	11
No water sample collected. Apr. 29, 1936.		

Well 126

Flat, side of county road, near SE corner SW $\frac{1}{4}$ sec. 405, H. & T. J. Ry. Co. Survey, Block A, 2 $\frac{3}{4}$ miles northeast of Crowell.

Surface soil-	4	4
Red clay-	16	20
Blue clay-	2	22
Red clay-	2	24
No water sample collected. June 17, 1936.		

Well 128

Slope, side of county road, center W line NW $\frac{1}{4}$ sec. 390, H. & T. J. Ry. Co. Survey, Block A, 3 $\frac{3}{4}$ miles northeast of Crowell.

Surface soil-	3	3
Red clay-	6	9
Sand and clay-	1	10
Blue clay-	1 $\frac{1}{2}$	11 $\frac{1}{2}$
Blue and red clay-	1 $\frac{1}{2}$	12 $\frac{1}{2}$
Red clay-	3 $\frac{1}{2}$	15 $\frac{1}{2}$
No water sample collected, June 17, 1936.		

Well 238

Sand flat, Joe Johnson tract, NE corner sec. 278, H. & T. J. Ry. Co. Survey, Block A, 10 $\frac{1}{2}$ miles northeast of Crowell.

	Thickness (feet)	Depth (feet)
Surface sand-	1	1
Brown sand-	7	8
Struck water at 8 feet.		
Quicksand at 8 feet.		
No water sample collected. May 5, 1936.		

Well 241

Rolling sand hills, side of county road, SE corner sec. 278, H. & T. J. Ry. Co. Survey, Block 8, 10 $\frac{1}{2}$ miles northeast of Crowell.

Surface soil-	1	1
Dark gray sand-	6	7
Light gray sand-	3	10
Fine red sand-	4	14
Struck water at 14 feet.		
Quicksand at 14 feet.		
No water sample collected. May 15, 1936.		

Well 257

Flat, side of county road, center W line SW $\frac{1}{4}$ sec. 293, H. & T. J. Ry. Co. Survey, Block A, 7 $\frac{1}{2}$ miles east of Crowell.

Surface soil-	2	2
Red clay-	9	11
Hard blue gypsum at 11 feet.		
No water sample collected. May 12, 1936.		

Well 288

Sand flat, side of county road, SE corner sec. 36, H. & T. J. Ry. Co. Survey, Block 8, 12 miles northeast of Crowell.

Surface soil-	2	2
Yellow sand and gravel-	6	8
Light gray sand and gravel-	4	12
Struck water at 12 feet.		
Hard clay at 12 feet.		
No water sample collected. May 16, 1936.		

Well 295

Flat, O. T. Rutledge tract, center NE $\frac{1}{4}$ sec. 23, H. & T. J. Ry. Co. Survey, Block 8, 14 miles northeast of Crowell.

Fine red sand-	3	3
Fine brown sand and gypsum-	2	5
Fine gray sand and gypsum-	2	7
Fine sand and red gravel-	3	10
Coarse heavy sand and gravel-	1	11
Coarse brown sand and gravel-	2	13
Struck water at 13 feet.		
Water sample collected. June 22, 1936.		
Water level, 11 feet below top of ground 1 hour after hole completed.		

Logs of test wells in Foard County--Continued

Well 312

Flat, H. D. Lawson tract, NE corner
sec. 23, H. T. C. Ry. Co. Survey,
Block 8, 14 miles east of Crowell.

	Thickness (feet)	Depth (feet)
Surface-	2	2
White sand-	2	4
Red sand-	6	10
Quicksand-	2	12

Struck water at 12 feet.
No water sample collected. May 8, 1936.

Well 325

Sand flat, Geo. Estes tract, center S
line SE $\frac{1}{4}$ sec. 35, H. & T. C. Ry. Co.
Survey, Block 8, 12 miles east of
Crowell.

Surface sand-	4	4
Quicksand-	1	5
Chalk, sand and gravel-	3	8

Struck water at 5 feet.
No water sample collected. May 8, 1936.

Well 339

Flat, side of County road, NE corner sec.
2, J. J. Barnes Survey, 11 $\frac{1}{2}$ miles east
of Crowell.

Dark brown surface soil-	1	1
Bird's eye brown soil-	2	3
Caliche-	1	4
Yellow clay and caliche-	3	7
Blue and yellow clay and caliche-	2	9
Blue and red clay with gray sand and caliche-	3	12
Blue and red clay with gray sand-	4 $\frac{1}{2}$	16 $\frac{1}{2}$
Birds eye red clay-	2	18 $\frac{1}{2}$

Struck water at 12 feet.
Hard red clay at 18 $\frac{1}{2}$ feet.
No water sample collected. May 29, 1936.

Well 340

Rolling prairie, Lena Mae Morris tract,
SW corner SE $\frac{1}{4}$ sec. 32, H. & T. C. Ry.
Co. Survey, Block 8, 12 miles east of
Crowell.

Red soil-	2	2
Gray clay-	2	4
Gray and rust colored clay-	5	9
Sand and clay-	2	11

Struck water at 11 feet.
No water sample collected. May 21, 1936.

Well 348

Rolling sandy land, Ignac Zacek tract,
center SW $\frac{1}{4}$ sec. 28, H. & T. C. Ry. Co.
Survey, Block 8, 12 $\frac{1}{2}$ miles east of
Crowell.

Surface sand-	2	2
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Well 348--Continued

	Thickness (feet)	Depth (feet)
Red sand-	2	4
White sand-	2	6
Red clay-	4	10
Sand and gravel-	2	12

No water sample collected. May 8, 1936.

Well 352

Sand flat, Hines Clark tract, center S
line SW $\frac{1}{4}$ sec. 27, H. & T. C. Ry. Co.
Survey, Block 8, 12 $\frac{1}{2}$ miles east of
Crowell.

Surface sand-	2	2
Red sand-	5	7
Blue sand-	3	10
Blue and red clay-	3	13
Quicksand-	1	14

Struck water at 14 feet.
No water sample collected. May -, 1936.

Well 364

Rolling plain, J. W. Adkins tract, center
E line NE $\frac{1}{4}$ sec. 21, H. & T. C. Ry. Co.
Survey, Block 8, 14 miles east of Crowell.

Surface sand-	3	3
Red sand-	4	7
Blue sand-	4	11
Brown quicksand-	2	13

Struck water at 13 feet.
No water sample collected. June 5, 1936.

Well 375

Rolling sand, E. V. Cato tract, SW cor-
ner NW $\frac{1}{4}$ sec. 20, H. & T. C. Ry. Co. Sur-
vey, Block 8, 13 $\frac{1}{2}$ miles east of Crowell.

Brown surface sand-	1	1
Red sand and clay-	14 $\frac{1}{2}$	15 $\frac{1}{2}$
Hard red clay-	-	15 $\frac{1}{2}$

No water sample collected. May 29, 1936.

Well 376

Rolling sand plain, side of county road,
SW corner sec. 20, H. & T. C. Ry. Co.
Survey, Block 8, 13 $\frac{1}{2}$ miles east of
Crowell.

Brown sandy soil-	2	2
Yellow sand-	3	5
Gray sand and chalk clay-	2	7
Light gray sand-	2	9
Medium gray and black sand-	2	11
Gray and blue clay-	1	12
Yellow and blue clay-	2	14
Red and blue clay-	1	15
Red clay and sand-	1	16

Struck water at 14 $\frac{1}{2}$ feet.
No water sample collected. May 29, 1936.

Logs of test wells in Foard County--Continued

Well 380

Rolling sand near creek bank, side of county road, SW corner sec. 19, H. & T. J. Ry. Co. Survey, Block 8, 13 $\frac{1}{2}$ miles east of Crowell.

	Thickness (feet)	Depth (feet)
Brown surface sand- - - - -	4 $\frac{1}{2}$	4 $\frac{1}{2}$
Fine brown sand and clay- - - - -	2	6 $\frac{1}{2}$
Red sand and clay- - - - -	5	11 $\frac{1}{2}$
Struck water at 6 feet.		
Hard blue clay at 11 $\frac{1}{2}$ feet.		
No water sample collected. May 29, 1936.		

Well 382

Sand flat, side of county road, SW corner sec. 29, H. & T. J. Ry. Co., Block 8, 12 $\frac{1}{2}$ miles east of Crowell.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	4	4
Fine sand- - - - -	2	6
Fine red sand and clay- - - - -	2	8
Red and yellow clay with fine gray sand- - - - -	5 $\frac{1}{2}$	13 $\frac{1}{2}$
Struck water at 8 feet.		
Gypsum at 13 $\frac{1}{2}$ feet.		
No water sample collected. May 29, 1936.		

Well 428

Slope, side of county road, SW corner sec. 1, S. M. & S. Survey, 8 $\frac{1}{2}$ miles south of Crowell.

	Thickness (feet)	Depth (feet)
Surface soil- - - - -	2	2
Red clay- - - - -	1 $\frac{1}{2}$	3 $\frac{1}{2}$
Red clay and blue gypsum- - - - -	2	5 $\frac{1}{2}$
Red clay- - - - -	1	6 $\frac{1}{2}$
No water sample collected. Hard red clay at 6 $\frac{1}{2}$ feet. June 16, 1936.		

Well 444

Side of draw, Erma E. Beverly tract, NW corner SW $\frac{1}{4}$. Hilerio Sanchez Survey, 6 miles south of Crowell.

	Thickness (feet)	Depth (feet)
Silt- - - - -	4	4
Sand and red clay- - - - -	4	8
Joint clay- - - - -	3	11
Struck water at 11 feet.		
No water sample collected. June 10, 1936.		

Well 449

Rolling plain, J. T. Gribble tract, near center David M. Hallmark Survey, 4 miles south of Crowell.

	Thickness (feet)	Depth (feet)
Brown clay- - - - -	3	3
Mixed clay- - - - -	3	6
Gypsum and clay- - - - -	4	10
Red clay- - - - -	4	14
Hard clay at 14 feet.		
No water sample collected. June 10, 1936.		

Well 456

Sand flat, side of county road, NW corner NW $\frac{1}{4}$ sec. 463, H. & T. C. Ry. Co. Survey, 1 $\frac{1}{2}$ miles west of Crowell.

	Thickness (feet)	Depth (feet)
Surface sand- - - - -	3	3
Red sand and clay- - - - -	7	10
Red clay and gravel- - - - -	4	14
Struck water at 13 feet.		
No water sample collected. Apr. 22, 1936.		

Well 474

Flat, side of county road, NW corner NE $\frac{1}{4}$ sec. 487, H. & T. C. Ry Co., Block A, 3 $\frac{3}{4}$ miles southwest of Crowell.

	Thickness (feet)	Depth (feet)
Surface soil- - - - -	2	2
Red clay- - - - -	2	4
Bird's eye clay- - - - -	6	10
No water sample collected. May 21, 1936.		

Partial analyses of water from wells in Foard 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. Stullken, D. F. Riddell, and Alfred J. Kelly, Chemists, and J. A. Harmaza, Martin Wieland and Jack Ramsey, Assistant Chemists. Results are in parts per million. Well numbers correspond to numbers in table of well records.)

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
2	Southland Life Insurance Co.		June 20, 1936	2,755	-	-	-	232	1,690	108	-
4	H. E. Fish	140	June 4, 1936	2,792	604	81	110	122	1,895	41	1,844
5	H. Young	90	do.	2,714	-	-	-	189	1,750	50	-
7	A.L. Walling	154	do.	2,716	-	-	-	195	1,750	48	-
8	Kate Fish Estate	80	do.	2,305	524	66	82	171	1,535	13	1,583
9	Allen Fish	102	do.	2,782	542	101	179	195	1,715	148	1,772
10	E.T. Evans	100	do.	2,660	-	-	-	195	1,730	30	-
11	R.N. Beatty	85	May 11, 1936	2,742	567	79	318	232	1,640	22	1,740
12	J.B. Easley	90	do.	2,537	-	-	-	220	1,640	20	-
13	J.M. Marr	87	June 4, 1936	2,853	-	-	-	214	1,855	30	-
15	T.E. Turner	11	do.	1,766	-	-	-	220	902	27	-
16	Artie Everson	62	May 11, 1936	2,634	-	-	-	220	1,648	74	-
19	Lucy Fish	34	do.	272	46	31	17	305	17	9	244
20	T.L. Burnett	42	June 4, 1936	982	232	88	56	256	454	34	943
21	Lucy Fish	41	do.	690	120	54	27	220	363	16	522
23	T.L. Burnett	92	June 8, 1936	1,568	329	62	77	281	920	40	1,078
25	do.	116	do.	2,720	509	146	119	146	1,795	98	1,873
27	F.L. Easley Est.	85	do.	2,667	-	-	-	207	1,700	56	-
29	L.F. Weber	20	Apr. 30, 1936	3,247	-	-	-	183	1,950	212	-
30	Hartley Easley	41	do.	3,923	467	278	564	252	2,200	288	2,308
31	Mary I. McAdams	22	do.	2,844	-	-	-	274	1,685	146	-
35	L.F. Weber	23	do.	3,708	549	210	336	256	2,030	455	2,236
36	Caroline G. Crawford	26	do.	310	72	28	6	305	44	8	283
38	T.W. Cooper	62	do.	3,946	-	-	-	220	1,740	830	-
39	Claudia Carter	46	do.	2,862	-	-	-	281	1,525	300	-
40	J.B. Raspberry Est.	26	do.	2,991	-	-	-	207	1,754	214	-
43	S.E. Tate	33	do.	2,605	513	83	174	207	1,650	82	1,626
44	City of Crowell	14	do.	838	-	-	-	354	346	35	-
45	Emma C. Adams	36	Apr. 15, 1936	405	73	38	22	293	80	46	340

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
47	J.T. King	39	Apr. 15, 1936	599	85	47	66	311	144	102	406
50	L.M. Cates Estate	28	do.	2,021	-	-	-	183	1,330	510	-
51	S.E. Norris	32	do.	2,379	553	76	64	104	1,500	134	1,695
54	W.L. Pachacek	16	do.	1,219	-	-	-	390	531	92	-
58	E.L. Ribble	21	do.	3,248	-	-	-	208	1,770	410	-
60	W.L. Pachacek	42	do.	690	-	-	-	183	311	63	-
62	Ida Gamble	26	do.	2,997	529	156	196	122	1,650	405	1,964
63	M.H. Kenner	32	do.	363	35	30	52	146	110	63	211
66	J.R. Hanks	46	Apr. 21, 1936	5,500	-	-	-	366	3,030	515	-
67	do.	16	do.	1,688	-	-	-	183	1,040	40	-
68	W.J. Sparks Estate	44	do.	3,944	405	220	537	195	2,370	315	1,917
75	N.G. Nichols	35	do.	4,321	-	-	-	183	2,400	490	-
76	C.E. Gafford	50	do.	8,231	534	440	1,490	195	3,450	2,220	3,144
78	N.G. Nichols	30	May 21, 1936	2,952	524	106	312	165	1,575	355	1,748
80	F.A. Davis	33	June 19, 1936	1,180	155	60	155	232	538	156	633
81	Tom Bursey	36	do.	616	74	46	96	403	69	130	376
82	L.A. Ingram	30	Apr. 20, 1936	509	-	-	-	342	129	30	-
86	C.L. Klepper	22	do.	399	43	35	58	305	84	27	250
95	S.B. Middlebrook	19	do.	874	41	111	108	354	295	142	564
96	Joe F. Hrabal	41	Apr. 21, 1936	823	-	-	-	342	185	178	-
97	F.F. Machac	37	Apr. 20, 1936	2,697	396	143	259	183	1,518	290	1,577
99	A.A. Slovak	45	Apr. 21, 1936	607	55	43	130	390	84	100	265
101	H. Bursey	34	do.	521	59	30	97	342	80	84	271
102	H. Schindler	26	do.	3,978	-	-	-	171	2,030	615	-
105	J.A. White	23	Apr. 15, 1936	652	-	-	-	146	1,540	350	-
108	C.V. Ketchersid	32	do.	334	56	32	29	342	21	25	274
109	Jessie F. Atkinson	10	do.	484	75	43	43	354	102	44	365
110	H.K. Edwards	7	May 15, 1936	548	55	48	133	256	146	38	336
111	J.A. Wright Estate	19	Apr. 15, 1936	963	154	69	74	305	398	116	668
113	Carl Zeibig	42	Apr. 23, 1936	556	-	-	-	256	95	134	-
117	W.M. Goodwin	24	do.	3,783	-	-	-	366	1,440	920	-
122	H.R. Zeibig	46	Apr. 24, 1936	377	34	28	79	342	a/	65	199
124	W.A. Patton	28	do.	3,421	231	116	413	293	1,155	360	1,054
130	C.W. Harrell	49	do.	537	-	-	-	220	129	110	-

a/ Sulphate less than 10 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
131	F.B. Flesher	48	Apr. 23, 1936	339	28	24	62	171	92	48	168
133	John L. Hunter	42	do.	3,479	494	164	223	146	2,110	415	2,410
134	do.	19	do.	5,670	-	-	-	73	2,480	1,340	-
136	T.J. Priest Estate	19	Apr. 20, 1936	3,778	-	-	-	152	1,520	960	-
138	S.B. Middlebrook	19	do.	4,096	-	-	-	281	1,668	960	-
140	O.E. Haseloff	35	do.	562	-	-	-	318	141	64	-
142	I.W. Middlebrook	26	do.	638	-	-	-	293	157	111	-
143	J.F. Russell	44	do.	655	31	42	168	415	43	164	250
145	W.T. Dunn	26	do.	267	51	30	12	293	8	20	250
153	T.B. Graham	22	May 4, 1936	1,371	-	-	-	305	442	315	-
154	J.I. Malone	23	do.	578	41	43	111	305	146	85	280
158	L. Kempf	41	do.	864	-	-	-	433	216	128	-
159	do.	30	Apr. 20, 1936	910	-	-	-	305	233	210	-
160	Mary A. Wesley	24	do.	1,317	196	74	156	372	493	222	794
161	do.	20	do.	1,494	-	-	-	536	569	156	-
163	Joe L. Orr	21	do.	449	51	42	62	378	61	44	300
164	John Wesley	14	do.	1,129	114	86	150	305	457	170	641
167	J.S. Smith	19	do.	592	-	-	-	415	114	56	-
168	M.W. Mahoney	24	do.	784	-	-	-	318	273	86	-
169	M.A. Crawford	21	do.	578	-	-	-	525	75	24	-
171	J.D. Wright	27	Apr. 20, 1936	885	164	92	-	195	336	196	788
172	Quanah Cotton Oil Co.	29	May 4, 1936	1,456	244	75	112	244	795	108	918
175	H. Ferguson	22	Apr. 24, 1936	651	67	45	115	366	111	130	350
177	W.L. Smith	20	Apr. 23, 1936	2,820	301	161	480	372	762	930	1,363
178	W. Ingle	21	Apr. 20, 1936	2,478	-	-	-	317	930	575	-
179	J.C. Hysinger	23	Apr. 24, 1936	844	-	-	-	281	388	40	-
180	do.	17	do.	1,138	104	66	211	329	318	275	530
182	Ferguson Bros.	30	Apr. 23, 1936	1,089	190	71	72	287	471	142	769
186	Sam T. Crews	26	do.	4,737	566	229	714	147	1,785	1,370	2,358
188	Fred Reithmeyer	19	do.	485	83	48	29	415	102	16	406
190	do.	29	do.	6,582	-	-	-	293	2,630	1,670	-
191	H. Gloyna	27	do.	4,371	-	-	-	159	2,030	870	-
192	J.L. Sollis	41	do.	5,121	823	173	630	171	2,110	1,300	2,772
194	Mary H. Goodfellow	22	do.	372	81	42	41	415	48	53	375
197	S.M. Whitfield	25	do.	1,463	-	-	-	317	533	285	-

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
199	Kittie Whitfield	37	Apr.23,1936	623	85	69	31	195	211	130	497
200	L.D. Fox	26	Apr.24,1936	573	-	-	-	293	119	104	-
202	C.P. Sandifer	17	do.	3,237	-	-	-	146	1,664	485	-
205	L.D. Campbell	32	May 14,1936	6,171	-	-	-	147	2,470	1,630	-
214	D.M. Shultz	27	May 4, 1936	1,490	-	-	-	397	324	450	-
215	T.D. Edwards	26	Apr.24,1936	1,488	51	65	407	348	321	470	395
216	Mrs. Belle Allee	26	Apr.26,1936	2,419	-	-	-	330	433	980	-
218	A.L. McGinnis	22	Apr.24,1936	802	-	-	-	344	144	198	-
219	W.R. Russell	15	do.	375	66	33	38	329	42	52	304
221	J.I. Short	21	do.	1,466	-	-	-	518	384	315	-
222	J.S. Smith	31	Apr.20,1936	531	71	39	80	378	38	114	385
226	V.A. McGinnis	33	May 4, 1936	854	60	52	252	452	124	140	363
227	do.	21	do.	879	47	40	237	390	186	184	280
236	Ferguson Bros.	22	do.	674	-	-	-	342	146	118	-
243	S.M. Tole	28	do.	394	54	22	103	293	36	33	223
245	H.W. Bannister	21	do.	303	54	23	32	281	23	31	228
252	H.W. Gray	19	do.	815	19	19	272	488	129	132	127
255	Mrs.M.F.F.Gray Est.	15	do.	1,636	48	60	350	850	348	405	368
258	Guy G. Crews	17	May 6, 1936	499	-	-	-	171	213	36	-
262	J.K. French	21	May 7,1936	1,069	210	74	86	665	123	244	829
263	W.S. Tarver	17	May 6, 1936	1,506	-	-	-	293	209	620	-
265	J.G. Thompson	16	do.	2,603	82	109	700	427	769	730	654
270	Mrs. T.E. French	26	do.	417	-	-	-	305	23	84	-
271	J.L. Ward	24	do.	916	117	88	96	330	115	335	655
273	Joe Richter	21	May 7, 1936	512	51	42	86	354	46	110	300
280	Earle Zipperle	27	May 5, 1936	433	-	-	-	342	40	60	-
283	J.S. Ray	17	do.	506	56	34	89	342	76	80	279
284	C.T. Smith	19	do.	614	-	-	-	427	85	90	-
285	J.S. Ray	29	do.	520	-	-	-	438	48	57	-
289	W.A. Walker	21	do.	699	27	76	136	488	96	120	373
290	S.W. McLarty	42	do.	754	28	63	174	464	97	160	328
291	do.	40	do.	804	60	55	168	439	112	190	377
294	Q.L. Rutledge	22	do.	580	59	48	92	366	84	114	346
295	W.P.A. test well	13	June 25,1936	537	24	45	118	350	79	106	245
296	H.T. Faughn	Spring	June 6, 1936	329	30	39	35	293	6	62	234

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
297	C.A. Gloyna	25	May 5, 1936	507	36	58	77	366	57	96	327
298	A.T. Beazley	27	do.	721	-	-	-	305	46	258	-
300	L.D. Mansil	21	May 6, 1936	480	56	71	26	390	40	92	435
302	W.R. Moore	21	do.	564	-	-	-	366	91	84	-
304	J.W. Crager	22	do.	425	67	46	30	317	34	90	356
307	T.F. Lambert	23	do.	1,185	-	-	-	628	154	285	-
313	H.D. Lawson	21	do.	696	34	100	61	366	86	172	497
314	A.W. Crisp	30	do.	1,360	-	-	-	604	198	370	-
315	do.	19	do.	406	40	31	77	378	31	38	229
319	R.L. Rheay	21	May 5, 1936	413	-	-	-	318	40	60	-
320	W.A. Walker	17	do.	312	-	-	-	293	15	30	-
324	Geo. Estes Estate	18	do.	397	50	32	64	305	15	94	259
327	E.M. Key	10	do.	268	-	-	-	256	a/	36	-
329	J.I. Rennels	11	do.	358	20	27	87	305	4	68	159
331	Chris. Schmoker	18	do.	327	-	-	-	281	21	42	-
337	Lena May Morris	24	May 7, 1936	1,631	-	-	-	403	123	720	-
342	do.	31	do.	3,952	173	220	956	250	758	1,720	1,337
345	W.J. & J.F. Long	35	do.	2,200	-	-	-	561	288	850	-
346	Ignac Zacek	27	do.	2,468	-	-	-	512	352	990	-
347	G.J. Teel	36	do.	706	18	31	218	506	78	108	174
349	G. & C.L. Atkins	18	do.	317	58	17	44	293	19	33	212
353	J.N. Abston Estate	20	May 6, 1936	-	-	-	-	-	21	43	-
354	L.F. Ward	15	do.	450	-	-	-	287	25	114	-
357	C.C. Lindsey	20	May 7, 1936	473	-	-	-	390	40	59	-
358	Eric Wheeler	26	do.	1,760	118	92	309	415	124	910	671
360	R.F. Adkins	17	do.	448	76	30	54	366	51	54	314
363	W.I. Cook	26	do.	639	-	-	-	561	53	64	-
368	E. Schmoker	18	do.	689	-	62	182	500	95	100	253
371	E.G. Grimsley	45	May 13, 1936	2,389	-	-	-	537	413	870	-
372	do.	18	do.	603	59	46	113	463	48	106	335
374	J.D. Jobe	13	do.	4,491	-	-	-	317	424	2,320	-
377	E.V. Cato	25	do.	966	63	47	248	535	61	280	351
381	W.J. & J.F. Long	20	do.	1,248	54	58	335	427	208	380	374
383	Mrs. Pauline Mc Ardle	24	May 14, 1936	4,341	-	-	-	378	878	1,780	-

a/ Sulphate less than 10 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
384	Mrs. Pauline McArdle	22	May 13, 1936	7,067	-	-	-	305	1,245	3,230	-
386	do.	27	do.	3,682	-	-	-	476	644	1,520	-
388	O.M. Grimm	22	do.	3,408	-	-	-	452	763	1,250	-
389	W.H. Hammonds	22	do.	4,598	422	510	494	658	863	1,980	3,152
390	Jim Hammonds	23	May 14, 1936	3,022	-	-	-	183	657	1,240	-
392	J.S. Jobe, et al.	19	do.	6,522	104	202	2,060	269	792	3,230	1,090
393	do.	22	do.	4,319	79	118	1,450	601	2	2,370	684
395	R.M. Graham	26	do.	3,565	-	-	-	427	778	1,350	-
399	A. Brian	18	May 1, 1936	2,067	131	82	473	183	760	530	665
400	J.R. Ford	14	do.	88	-	15	14	104	4	3	63
401	W.L. Ricks	19	Apr. 29, 1936	3,492	43	198	544	305	2,130	425	1,894
403	J.G. Coffee	29	May 15, 1936	5,953	-	-	-	171	2,050	1,860	-
404	S.S. Bell	18	Apr. 29, 1936	2,675	-	-	-	207	1,610	148	-
405	J.C. Turner	18	do.	7,560	622	441	1,290	195	2,750	2,300	3,524
407	H.E. Gribble Estate	18	do.	424	59	27	25	281	159	14	260
408	W.B. Tysinger	20	do.	393	75	43	23	476	a/	14	365
409	O.E. Davis	20	do.	3,517	-	-	-	287	2,090	202	-
410	I.M. Cates Estate	20	May 1, 1936	4,121	-	-	-	134	1,970	780	-
412	W.H. Nichols Sr.	24	May 14, 1936	585	78	35	86	354	157	52	339
413	J.F. Steele	22	do.	440	69	35	61	342	76	28	315
414	J.J. Brown	23	May 1, 1936	6,558	-	-	-	269	2,530	1,760	-
415	Furd Halsell	24	do.	688	95	42	83	330	288	15	410
416	do.	22	do.	4,406	473	152	778	366	2,100	720	1,808
419	F.M. Dougherty	58	June 16, 1936	2,322	-	-	-	293	1,410	52	-
421	S.P. Bush Estate	35	do.	8,646	-	-	-	146	3,226	2,530	-
424	W.R. Fergeson	40	June 18, 1936	389	58	46	23	317	58	46	336
425	P. Owens	35	do.	2,945	450	159	260	134	1,584	425	1,780
430	F.R. Lefevre Estate	33	June 9, 1936	2,744	-	-	-	195	775	950	-
432	Jenkins and Banks	31	do.	289	43	28	32	305	21	13	223
435	J.E. Atcheson	12	do.	4,445	622	159	677	134	1,460	1,460	2,210
436	J.M. Glover	27	do.	5,060	-	-	-	189	1,510	1,770	-
437	Lizzie Kincaid	25	May 26, 1936	2,343	220	242	171	220	1,360	240	1,544
438	U.C. Rader	27	June 9, 1936	6,612	-	-	-	116	2,700	1,720	-
440	N.J. Jones	30	May 21, 1936	3,957	-	-	-	189	1,325	1,230	-

a/ Sulphate less than 10 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
441	J.P. & S. Scott	26	May 21, 1936	2,601	234	105	530	195	735	900	1,018
443	Emma E. Beverly	36	June 9, 1936	307	64	30	16	366	4	10	284
445	Docia M. Taylor	27	do.	4,105	532	156	592	171	2,020	720	1,969
446	H.J. Watkins	14	do.	4,490	-	-	-	85	2,060	960	-
450	Green and Johnson	27	May 21, 1936	1,427	-	-	-	305	739	82	-
451	R.L. Kincaid	23	May 1, 1936	477	73	38	40	317	138	30	340
452	do.	24	do.	2,470	288	130	345	214	1,175	425	1,251
453	M.S. Henry	28	do.	4,542	-	-	-	244	1,960	1,000	-
455	do.	38	May 20, 1936	4,049	405	198	628	427	2,040	565	1,824
459	S.S. Bell	42	Apr. 29, 1936	-	-	-	-	-	13	56	-
460	Mrs. B.F. Hallmark	54	Apr. 30, 1936	1,079	-	-	-	110	1,950	41	-
461	J.W. Wishon et al.	28	do.	2,308	406	85	190	146	1,460	94	1,360
462	Lincoln Nat'l. Life Insurance Company	40	do.	418	43	45	54	342	57	48	290
463	Mrs. M.A. Crawford	26	do.	570	-	-	-	256	184	62	-
464	M.S. Henry	35	May 20, 1936	3,494	-	-	-	146	1,895	440	-
465	J.W. Wishon et al.	30	do.	2,541	-	-	-	232	1,600	52	-
468	J.M. Hill	26	May 20, 1936	1,330	245	79	63	244	777	44	935
473	F.A. Davis	22	do.	999	116	71	125	330	424	98	579
476	F.C. Borchardt	23	do.	599	71	42	91	440	163	12	350
477	W.B. Jones	35	do.	5,600	-	-	-	232	3,000	1,380	-
479	W.P. Maloney	32	do.	2,617	430	96	276	171	1,380	350	1,471
480	F.C. Borchardt	30	May 21, 1936	2,699	-	-	-	330	1,505	200	-
484	Aragonia Black	31	May 25, 1936	3,894	-	-	-	159	1,785	790	-
486	Frank Weatherall	30	May 26, 1936	5,950	-	-	-	183	1,985	1,910	-
487	J.W. Beverly Est.	36	May 25, 1936	5,127	-	-	-	195	2,110	1,260	-
488	Geo. Self	39	May 21, 1936	3,192	468	115	375	122	1,918	255	1,644
489	A.W. Barker	34	do.	1,282	178	71	141	244	650	120	739
491	P.H. McClain	29	May 20, 1936	3,878	-	-	-	110	2,660	11	-
492	M.S. Henry	37	do.	5,100	-	-	-	268	3,270	156	-
494	F.A. Allen	23	do.	1,399	288	21	151	330	612	162	808
495	Dallas Land Bank	27	May 21, 1936	1,621	-	-	-	195	1,006	22	-
496	Frank Weatherall	31	May 25, 1936	417	50	25	76	336	54	44	228
497	Tom Calloway	27	do.	574	79	37	75	268	173	76	350
499	J.E. Stone	23	June 18, 1936	7,545	-	-	-	122	2,573	2,430	-

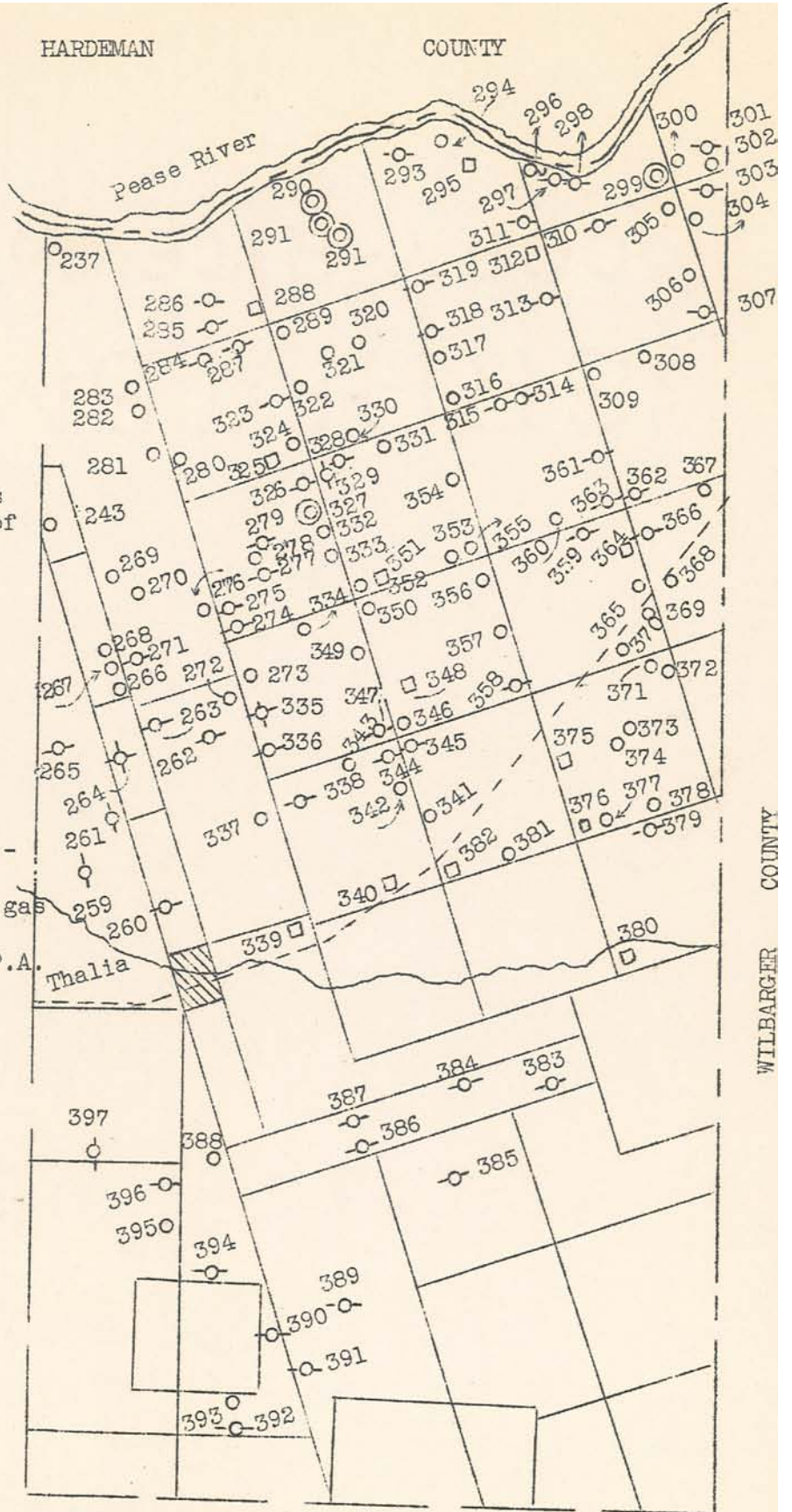
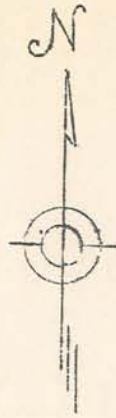
Partial analyses of water from wells in Foard County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
505	A.L. Sloan et al.	23	May 26, 1936	619	43	104	29	269	161	148	535
506	R.B. Lilly	27	do.	439	59	45	38	269	105	58	330
510	C.R. Patterson	23	do.	815	108	56	91	318	353	48	497
512	Cliff Stone	22	June 18, 1936	3,997	-	-	-	146	1,776	870	-
513	E.O. Traweek	23	May 26, 1936	92	18	7	7	86	8	9	76
516	M.M. Shelton	41	May 25, 1936	3,680	546	164	423	134	1,620	860	2,091
517	do.	35	do.	3,613	-	-	-	195	1,945	445	-
518	J.H. Lanier	27	May 21, 1936	2,504	-	-	-	232	1,420	192	-
519	Edna Bell	36	do.	4,278	511	171	614	244	2,270	590	1,982
521	J.N. Bell	30	May 25, 1936	372	72	1	70	311	56	18	185
524	D.N. Fortner	50	do.	4,164	-	-	-	134	2,045	740	-
525	H.N. Fortner	29	do.	3,323	-	-	-	159	1,765	455	-
526	R.L. Kincaid	18	do.	5,961	-	-	-	159	2,520	1,450	-
527	F.B. Bassett	14	do.	4,335	214	503	458	390	2,590	375	2,552
528	D.C. Greer	23	do.	3,427	-	-	-	317	2,090	130	-

HARDEMAN

COUNTY



Insert map showing locations of water wells in the eastern portion of Board County.

EXPLANATION

- Well with hand pump, bucket or bailer
- Well with windmill or small power pump
- ⊙ Well with pumping plant - 5 horsepower or larger
- Well drilled for oil or gas
- Unused well
- Test well drilled by W.P.A. labor
- Spring

WILBARGER COUNTY

Scale



Kurtz

4-9-37

MAP OF FOARD COUNTY, TEXAS

SHOWING LOCATIONS OF WATER WELLS LISTED

SCALE
0 1 2 3 4 5 MILES

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

FIELD WORK BY
L. P. HUGGINS
PROJECT SUPERINTENDENT
W.P.A. PROJECT 2090

BASE COMPILED FROM
LAND OWNERSHIP MAP
AND FIELD NOTES

COTTLER COUNTY

WILBERGER COUNTY

HARDEMAN COUNTY

FOARD COUNTY

MARGARET

CROWELL

THALIA

FOARD CITY

KING COUNTY

KNOX COUNTY

RIVER

EXPLANATION

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

SEE MIMEOGRAPH MAP