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BURLESON COUNTY, TEXAS

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

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WORKS PROGRESS ADMINISTRATION

GROUND WATER SURVEY

PROJECT 3763

W. I. Clark
Project Superintendent

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Analyses made, map prepared, data assembled, and report mimeographed by WORKS PROGRESS ADMINISTRATION PROJECT 6507-5112

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

* * * * * * * * * * * * *

Austin, Texas August 25, 1937.

BUTLESON COUNTY, THIXAS

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

The purpose of this survey was to obtain information concerning existing wells and springs and the quantity and quality of water they yield, and 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," spensored by the State Board" of Water Engineers. The Division of Ground Water of the U. S. Geological Survey cooperated in the technical direction of the project and the Bureau of Industrial Chemistry of The University of Texas furnished laboratory space and equipment and supervised the chemical analyses.

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

The field work in Burleson County was started on September 1, 1936, and completed February 1, 1937. This work was done as Project 3763 of District 9 of the Works Progress Administration, Austin, Texas. W. I. Clark, an engineer, was project superintendent. Mr. Clark should be given credit for his great interest in the work and for the many extra hours he spent on the project. The office of the Works Progress Administration in the Austin. District made this possible by their constant help and cooperation.

This release contains the well and spring records and well logs obtained by the project superintendent, logs of the test holes drilled by the W. P. A. labor, and the chemical analyses of water from privately-owned wells and springs. 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 using a soil auger, drop auger, churn drill, and a sand bucket. Samples were collected at one foot intervals by the well driller in charge of the party. The project superintendent studied these samples and compiled the logs.

Records of wells and springs in Burleson County, Texas

	ll wells a	re bored or dril	Led unless otherwin	se noted	1n "£	kemarks	s., com		
1		_	_					•	ght of
No.	Distance	Survey	0πner	Торо-		Depth	4	1	suring
1	from			graphic			eter		oint
1	Caldwell			situa-	ple-	well	of	ε	above
				tion	ted	(ft.)	well	gr	cound
1						` '	(in.)		ft.) <u>a</u> /
d/ 1	14g miles	H. E. Davis	J. P. Sparks Est.	Gentle	1930	900	 		
	north			slope					
2	do.	do.	J. W. Porter	do.	1931	950	10		Ange wom
	7.4	3 -		/1 1 -		O		 -	
į	14 miles	ർഠ.	do.	Orcek		Sprin	5 	· .	
	north			bank		<u> </u>	<u> </u>	ļ	
4	do.	do.	Jackson Griggs	do.		do.			
	14 miles	J. C. Robertson	Aetna Life	Gentle	1910	700	4		
İ	northeast		Ins. Co.	slope			1	l	
6	14 miles	H. E. Davis	Jackson Griggs	do.	1920	34	30		3
	north						7.0	ļ	
	,	J. C. Robertson	Foderal Land	do.		52	30	<u>'</u>	2
	north	4-144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 -	Bank					<u> </u>	- 17
L	13 miles	do.	Lizzic Porter	Flat		40	10	1	3
	northeast								
10	124 miles	John Toal	H. Heincs	Gontle		500	3		
	northeast			slops					
	ll miles	do.	F. K. Hornsbury	ão.	1932	50	6	ر	1
	northeast								
	11 miles	do.	Burleson County	Sand		Sprin	7		
	northeast			bank		-2	1		
	13 miles	C. M. Mathews	Jim Stubbs	Gentle	1935	16	37		0.5
	north	O. M. LEEDII S.V.	Vim Stabbs	slope	2000	20			
15	12 milus	I. Maiden	Annic M.	Small	1875	58	30	-	3
	north	I • Didi don	Jennings	knoll.	10.0	90			-
16	do.	C. Mathevs	Scal Porter	Draw		Spring	} 	<u> </u>	
10	uo.	U. I Platific vs	JOCIL POPUSI	Draw		obr.m	5 		
17	$11\frac{1}{2}$ miles	do.	do.	ão.		do.		 -	
	north						•		
18	do.	J. A. Sorrell	V. J. Sparks	Ridgo	1917	15	30	1	2
1			, ~	top					
19	ll miles		Ciles McDermott	Draw		Spring	{		
	nerth			1		1	l		
							!	İ	
20	10를 miles	روسه در دود و دود و دود و دود و دود و دود و دود و دود و دود و دود و دود و دود و دود و دود و دود و دود و دود و د دود و دود C. A. McDermott	do.		do.	 	-		
	north						i		
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2.3	10 miles	C. M. Mathens	Frderal Land	Small		20	36	 	3
	north	4	Benk	ridgo		~0			_
	V +		A (\$45)				l		
		1	1					1	
	9 miles	H. Covington	C. A. Beines	đ٥.		54	30	:	3
24	9 miles north	H. Sovington	C. A. Beines	do.		54	30	;	3
24		H. Covington J. McCunc	C. A. Beines J. F. Keller	do. Gentle			30 30	:	3 3
24 25	north				 1930			:	

L/ Measuring point was usually top of easing, top of well curb, or top of pump base.

b/ A, air lift; B, buck t; C, cylinder; Of, contrifugel; T, turbine; D, diesel engine;

E, electric; G, gasoline ensine; H, head; W, windmill; number indicates horsepower.

Records obtained by W. I. Clark, Jr., Project Superintendent (Chemical analyses of water from these wells and springs are in the table of analyses.)

(Ch			of wa	ter fro	om these wells and oprings are in the table of analyses.
		r Level			
No.		Date of		Use	Romarks
	t .	mossure-		of	
	measu		bomer	l .	
	ing p		<u>b</u> /	<u>c/</u>	
	(feet)			
1			Monc	N	Oil test. 84 feet 2-inch casing at top. See log.
2	Flows	Nov. 27,	None	D,S	10-inch stock casing, 0-50 feet. Tenant reported wa-
		1936	! 		ter in fine gray sand and never fails in drought.
					2-inch pipe plugged into casing at top. Drilled by Joe
3	₫o.	do.	Non⇔	ន	Estimated flow, 2 gallons a minute from 2 open-Marks.
					ings in gray silty sand.
4	do.	de.	None	S	Estimated flow, 3 gallons a minute from 3 openings in
					silty clay and gravel.
5	do.	6/	None	D,S	Steel casing. Tenant reported water in fine sand.
		<u>-</u> '		Ţ	Estimated flow, 2 gollons a minute.
6	35.5	Nov. 27,	В,Н	D	Dug well. Vitrified tile curb; tile casing, top to
	•	1936	,-		bottom. Owner reported never fails in drought.
8	50.3	Sept.21,	В,Н	D	Dug well. Brick curb; brick casing, top to bottom.
		1936	_,	_	Tenent reported water in gravel. Weak supply.
9	41.3		В,Н	D,S	45 feet 10-inch galvanized iron curb and casing. Ten-
•	3.2.00		, a.z.	2,0	ant reported water in red gravelly send. Reported
		,			weak supply but never fails in drought.
10	Flows	do.	Rone	D,S	500 feet steel casing; screen at bottom. Estimated
10	TTOUS	uo.	TAOTEC	L, U	flow, I gollon a minute. Tenant reported never fails.
11	40		C,H	D,S	50 feet 6-inch galvenized iron curb and casing. Esti-
1.1	'± C'	<u>e</u> /	0,11	ν, ο	
10	Til ama	Comt 91	Mono	7.0	matcd yield, 1 gallon a minute. Neighbor reported nev-
16	rrows	Sept.21,	None	D,S	Estimated flow, 2 gellons a minute from er fails.
	17.0	1936	T) 77	B 0	white sand. Reported never fails in drought. Known
13	13.0	Sept. 1,	в,н	D,S	Dug well. Brick curb; brick locally as Tipton Spring.
		1936			cosing, top to bottom. Neighbor reported vater in fine
	10.0			5 6	tan send and never fails in drought.
15	18.8	do.	в,н	D,S	Dug well. Wood curb; rock casing. Neighbor reported
					weter in sandstone and never fails in drought.
16	Plous	Dec. 15,	None	S	Estimated flow, 10 gallons a minute from numerous open-
		1936		**************************************	ings in brown sand, veined with lignite.
17	do.	Sept. 1,	None	D,S	Improved with 1 joint of tile. Strong supply.
		1936			
18	10.5	do.	В,Н	D,S	Dug त्रहीी. Mood curb; 17 fect brick casing. Ownor re-
					ported tater in fine yellow sand and never fails in
19	Flows	Dec. 15,	Mone	S	Estimated flow, 2 gallons a minute from sev- drought.
		1936			eral openings in mottled light-brown sand. Stronger
					flow reported in rainy weather.
20	d٥.	ão.	None	S	Reported uniform flow, E gallons a minute from numer-
					ous openings in white sand. Improved with vitrified
			Ì		tile. Reported never fails in drought. Known locally
23	19.5	Sept. 1,	В,Н	D,S	Dug well, 0-20 feet; wood curb and as Mansa Spring.
		1936		•	casing. Bored well at bottom. Tenant reported water
					ir sand at 20 feet and from bored hole. Bails dry after
					2 barrels. Reported never fails in drought.
24	49_9	Nov. 2,	В,Н	D,S	Dug well. Concrete curb; concrete casing, top to bot-
~=	20.0	1936		~,~	ton. Unighbor reported water in fine sand and never
25	65.7	Sept. 2,	В,Н		Dug well. Wood curb; stone casing, fails in drought.
ผย	00.7	1936	إخلوسد		top to bottom. Owner reported water in soapstone and
	1	2000			sandy shale and never fails in drought.
-/ T		otio. T	innia		Ind industrial. D. ruelia. G. stock. M. ret wasd

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

d/ No water sample collected for analysis.

c/ Water level reported.

Records of wells and springs in Burleson County--Continued

	Кес	cords of wells an	d springs in Burl	eson Coun	<u>cycc</u>	on tim ie	ea.	
No.	Distance	Survey	Owner	Topo- graphic situa- tion	com-	Depth of well (ft.)	eter of	Height of measurirg point above ground (ft.) a/
26	9 miles north	J. McCune	R. M. Moorman	Gentle slope	1933	42	30	3
27	8 miles north	J. Hughes	Jim Toodson	do.	1935	37	30	2
28	do.		Ed. 7illiams Estate	Knoll top	1934	62	36	2
29	8 miles northeast	₩. Roach	im. Havorak	Creek valley		16	30	2
30	7 miles north	do.	Mary Teal	do.	1920	24	8	2
31	7 miles northeast	A. Culling	Joe Gibson	Draw		Spring		-
33	6½ miles northeast	R. W. Scott	Woodson Lumber Co.	Gentle slope	1925	77	8	8
34	8 miles northeast	F. Niebling	J. I. Lightsey	Ridge top	1912	36	30	2
	62 miles northeast	A. Kuykendall	A. G Noack	Knoll top		38	36	2
36	$5\frac{1}{2}$ miles northeast	J. Reed	Jo. J. Mikeska	Ridge top	1929	52	30	3
37	4 miles northeast	do.	F r ank Kubin	do.	1913	124	10	1
	28 miles northeest	Jas. Hall	D. J. Henocik	Hilltop	1930	315	6	1
	$2\frac{1}{4}$ miles northeast	Francisco Ruiz	Alan Bowers	Gertle slope	1923	23	48	1
	2½ miles north	do.	John Mrnustik	Ridge		37	30	3
	13 miles	do. F. Smith	Alan Bowers City of	Creek valley Vallev	1935	15 160	36 10	1
4 2	inile northeast	r • Pull 611	Caldwell	flet	1300	100		
43	do.	do.	3	do.		300	10	
44	3 mile north	Francisco Ruiz	J. E. Porter	Creek yalley		16	30	3
47	$1\frac{1}{4}$ miles north	F. Smith	Jce Souruick	do.	a.e .v.e	Spring		

W. I. Clark, Jr., Project Superintendent Water Level No. Depth Date of Use Pump Remarks below measureand of. measur- ment power mater ing point h/ c/ (feet) 26 33.0 | Sept. 2, P,H Dag well. Wood carb; brick casing, 0-6 fest; rock cas-D.S 195€ ing, 6-45 feet. Owner reported mater in green sandand in yellow sandy clay; insver fails in drought. 27 19.3 ão. B,H Due well. Concrete curb; concrete casing, top to bottom. Tenant report d water in white sand; Due rell. Tood curb; wood casing, fails in drought. 28 40.6 Oct.21, B.H S 1936 top to bottom. Terant reported water in fine gray sand; never fails in drought. keported strong sup-Sept.21. Dug well. Wood curb; brick casing, top to bot- | ply. 29 14.4 В.Н tom. Other reported set r in white sendy gravel and 1936 Vitrified tile curb; tile | never fails in drought. casing, top to bottom. Tenant report doctor in dark 30 16.2 Nov. 2, В,Н Vitrifica tile curb; tile 1936 green sand; nov r feils in drought. 31 Flows Nov. 18, Mone Estimated flow, 30 gallons a minute from numerous 1936 opunings in sandstone and iron ore gravel. Reported stronger flow in rainy weather. Known locally as 33 71.2 Mov. 2. B,H S Vitrified tile curb; tile casing, top Pettis Spring. 1936 to bottom. Tenant reported wat r in blue sheld and red gravel and nev r fails in drought. 34 23 Sept.23, C,W D,S Dug woll. Vitrified tile curb; tile casing top to 1936 bottom. Owner reported actor in fine tan sind: nair fails in drought. Reported slight drawdown by 35 21.0 Sept.21. Dug wall. Wood curb; rock casing, top to vindmill. B.H D.S bottom. Owner reported totar in blue and and failed 1936 36 32.2 Dug rell. Wood carb; tile casing, face in 20 years. do. B,H D.S tor to bottom. Owner reported ofter in blue sand and never fails in drought. Tile curb; tile casina, top to bottom. Orner reported 37 30 ė/ C, T. D.S thter in blue quicksand and never feils in drought. Reported slight drawdown by windmill. 38 30.0 Sept.19. C,TD,S Concrete curb; 315 fent stent maing, with screen at bottom. Temmt reported with r in send and naver fails 1.936Dug will. Brick curb; brick chaing tor in drought. Sept.18. 39 16.2 В,Н D,S to bottom. Water reported in block sand and never 1936 Sept.19 В,Н Dug well. Brick curb; brick casing, fils in drought. 40 24.5 S top to bottom. Owner reported water in sand and never 193€ Dig well. Brick curb; brick casing fails in drought. B, H D,S 41 8.6 Sept.18. 1936 top to bottom. Tenant reported water in sand and nev-Steel casing, 0-122 feet. Esti- er fails in drought. 42 Flows Sept.25. T,E, P, Ind 1936 7불 mated flow, 40 gallons a minute, 5 feet above ground. Reported 14 feet drawdown pumping 200 gallons a minute. Attendant reported water in fine gray send and never fails in drought. Temporature 73°F. Drilled by Steel casing, top to bettem. Estimated Louis Kiel. 43 do. T,E,do. flow, 40 gallons a minute, 5 feet above ground. Roported yield 200 gallons a minute when rurniag. Attendant reported water in fire gray sand and never fails is drought. Tomperature, 730F. Drilled by L. Kiel. 44 13.5 Oct. 8, B,H Dug well. Wood curb; brick casing, top to bottom. 1936 Neighbor reported Tetur in iron ore gravel and bails dry; navor fails in drought. Wood curb. Estimated flow, 3 gollons a minute from 47 Flows Oct. 6, Nonc 1936 3 openings in white sand. Known locally as Evans Spring.

Records of wells and springs in Burleson County--Continued

		. nec	crus of wells and	springs in Burle	eson Coun	tyC	ontinue	<u>ed</u>	
							1		Height of
No	·	Distance	Survey	Owner	Topo-	Date	Depth	Diam-	
		from			graphic			eter	point
		Jalówell			situa-	ple-	well	of	above
					tion	ted	(ft.)		ground
							(= ,	(in.)	1 ~
	48	$1\frac{1}{4}$ miles	Francisco Ruiz	Otto Berndt	Hill-	1936	45	8	1
		northwest	I I WII S I DOO I I WIE	Octob Borner	top	1350	TU	O	
	54	25 miles	do.	R. Struwe	<u> </u>		Spring		
	OT	northwest	40.	II. Durane			obr.tifki		
_	55	3^{1}_{40} miles		Peter Womack	Gentle		24	30	
	JJ	northwest		reter Wonack			<i>≾</i> ,4±	3 U	0
	5.C		Emonada a Tada	Esperalu TT-lus	slope	1000	F.O.		
	56	28 miles	Francisco Ruiz	Frank Heka-	do.	1933	32	8	1
_	En	north	2 -	lopka		ļ			
	57	$3\frac{1}{4}$ miles	do.	do.	Draw		Spring		
		north							
	58	4 miles	H. J. Dobie	Robecca Price	Knoll		ସମ	30	້ 2
		north			top				
	60	3½ miles	J. W. Marion	Henry Jackson	Valley	1935	22	30	3
		north			flat				
	61	5 miles	do.	J. Lonzo	Draw		Spring		
		north							
									İ
	62	5⅓ mil∈s		B. Risse	Sand-		do.		
		north			hill				
	63	5 miles	J. W. Marion	D. F. Delameter	Draw		do.		
		north	0	D. I. Dolanovel	Didw		do.		
	64	do.		do.	do.		do.		
	0.4	ao.		u.,	uo.		ao.		
	65	El miles	Pfores Anno abon	Joldmoll Tich	Tro 1 7 arr	1004	207		
	65	5 miles	Mary Carnaghan	Caldwell Fish-	Valley	1924	667	2	
		north		ing Club					
						ļ			
	66	do.	do.	do.	Hillt o p		27	30	3
									į
_									
	67	$6\frac{1}{2}$ miles	do.	Edgar Simpson	Ridge	1934	9	30	3 3
		north			top				
	68	7를 miles	A. Thompson	G. I. Perkins	Draw		Spring	ii.	
		northwest					1		- Paragraphic Control of the Control
	70	8 miles	do.	J. P. Winkler	Gentle	1917	17	30	1
	•	northwest			slope		!	t j	
	71	9 miles	do.	A. R. Richardson	do.	1926	58	10	1
		northwest	1				i		1
		110101111050							-
	74	7를 miles	D. Clanton	Hattie Greer	do.		27	30	3
	14	northwest	D. OTGHOOH	Hannie Greer	uo.		1 ~ '		3
_	ne.		To ac M. Comelan	T (Trans-	ä.	1020	 	10	+
	75	7 miles	Jose M. Sanches	L. U. Kornegay	do.	1910	90	10	. 1
		northwest					1		•
_									L . —
	76	$6\frac{1}{3}$ miles	A. Thompson	Joe Adamek	de.		48	30	1
		northrest							
_				Control who of Supremental related to the Suprement Control					
<u>a</u> 7	77	6 miles	Jose M. Sanches	Speckman	do.	1923	1,700		240 400
		northwest							
-	78	5½ miles	do.	L. H. Guick	Slope		49	36	0
		northwest					į		
				!]		
			 			·	 		

". I. Clork, Jr., Project Superintendent

Third Level Pump Use boldow measure end of measure ment port mitted file cast; file cast				T"]	I. Ol	ork, Jr., Project Superintendent
below measure-end of concession measure-end		<u> </u>				
massure ment power star ing pents by c/ (feet) 43 30.5 Nov. 18, B,H D Vitrified tile curb; til cosin, for to botton. O'mer topowed water in fine tan and and anyor file in feet and seed and prove file in the feet any file in feet and seed and prove file in feet any file in file curb; brick casing, top to botton. 54 15 Sept. 18, B,H D, Dug vill. Brick curb; brick casing, top to botton. 55 12.5 Sept. 18, B,H D,S Tile curb; tile casing, top to botton. 56 12.5 Sept. 18, B,H D,S Dug vill. Brick curb; brick curb; tile casing, top to botton. 57 Flows do. Flome S Strong flow from numrous openings in yel-in drought. Lor shely send. 58 80.4 Cot.21, B,H D,S Dug vill. Vitrified til. curb; tile casing, top to bottom. Tenant reported water in fries send and never feils 1936 58 19.5 Sept. 18, B,D D,S Dug vill. Vitrified til. curb; tile casing, top to bottom. Tenant reported water in thits exadestone to the following tenant reported water in thits cas and so the file of the curb water in the send sond feet and the file of the curb water in thits cas and sond the file of the curb water in thits cased strong. I follow from the curb water in thits cased strong to the file of the curb water in thits cased strong to the file of the curb water in thits cased strong to the file of the curb water in thits cased strong to the file of the curb water in thits cased strong to the file of the curb water in thits cased strong to the file of the curb water in thits cased strong to the file of the curb water in thits cased strong to the file of the curb water in thits cased. Strong, Thur reported the file of the file of the curb water in file case water file in reiny account water in file water in file case. It was a second water in file water in file case. It was a second water in file water file in drought. Supported water in file water file in drought. Supported water in file water file in drought. Supported water in file water water in the case of the file water in file case. Our war reported according to bottom. Tenant reported wat	No.	Depth	Date of	Pump	Use	Remarks
ing weint (finst) 43 30.5 Nov. 15. B.H D Vitrified tile curb; will e sin, top to bottom. Owner the Flows Cec. 26, None - Locate deuter in fine tin and and interference in the curb in fine tin and and interference in the curb in fine tin and and interference in the curb in fine tin and and interference in the curb in fine tin and and interference in fine and and interference in fine and and interference in fine and and interference in fine and and interference in fine and and interference in fine and and interference in fine and and never fails for shall send. 55 22.1 Sept. 18, B.H D.S Tile curb; tile casing, top to bottom. In drought. Owner reported water in dark gray send and never fails of shall send. 57 Flows do. None S Strown flow from numerous openings in yell—in drought. Low shall send. 58 26.4 Oct. 21. B.H D.S Dug well. Vitrified tile curb; tile casing, top to bottom. Forein reported vator in fine send and never fails of the product of the stands of the send. Strong flow from the foreing in the sandstone flows of the fine send and never fails of the bottom. Owner reported vator in white sandstone flows of the fine send send send send reported vator in white sandstone flows of the fine send send send send reported vator in white sandstone flows of the fine send send send send reported and in ring flows of the fine send. Strong. Foreing flows of the fine send send send send send for the fine send send send for the fine send send send send for the fine send. Strong. Foreing send send send for the fine send. Strong flows for flow for the send send send send send send for the fine send send for the fine send. Strong supported water flow flows for the fine send. Strong supported water in fine send send send send send send send se		below	merante-	and	of	
Greet 1936 1938 1948 1958		men sui	- ment	power	7c.ter	
Greet 1936 1938		ing vo	int	b/	c/	
48 30.5 Nov. 13 B.H D Vitrified thic curb; til a sin, top to botton. Owner 1956 140 00. 26, None - Local deast of rold. drought. 1936 55 22.5 Sopt.12, B.H D Dug (11. Brick curb; brick casing, top to betton. 1936 56 12.6 Sopt.13, B.H D,S Tile curb; tile casing, top to betton. 1936 57 12.6 Sopt.13, B.H D,S Tile curb; tile casing, top to betton. 1936 58 26.4 Oct.21, B.H D,S Tile curb; tile casing, top to betton. 10 cashly said. Strong flow from numrous openings in yel-1 in drought. 10 cashly said. Strong flow from numrous openings in yel-1 in drought. 10 cashly said. Strong flow from numrous openings in yel-1 in drought. 10 cashly said. Strong flow from numrous openings in yel-1 in drought. 10 cashly said. Strong flow from numrous openings in yel-1 in drought. 10 cashly said. Strong flow from numrous openings. File said and never falls of the bottom. Tenent reported water in fine said and never falls 1936 Strong flow from casing. File said and rought. 1936 Strong. 10 cashly said cassing. File said and rought. 1936 Strong flow from cashly said and said cashly said and said and the properties of the said. Strong flow from the said and said and said and the said. Strong flow flow from the said and		(feet)	}			
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54 Plows Cot. 25, None - Local deast of road. 55 22.1 Sept.12, E.H. D. Dug will. Brick cathe, top to bottom. 56 12.3 Sept.19, B.H. D.S. Tile curb; tile cashe, top to bottom. 1936			•		·	
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50 12.5 Sept.19, B,H D,S Tale curt; tile casing, sop to bottom. in drownt. 57 Flows do. Fone S Strong flow from nearly gray sund and unver fails 58 26.4 Oct.21, B,H D,S Deg well. Wirrified tile curt; tile casing, top to bottom. 1936 60 17.8 Sept. 2, B,H D,S Dug well. Wirrified tile curt; tile casing, top to bottom. 1936 61 Flows Jan. 4, Non. S Reyorded uniform flow of land never fails in drought. 1937	-	22.4		11 و تا		· · · · · · · · · · · · · · · · · · ·
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57 Plows do. None S Streem flow from numerous openings in yel-in drought. 58 26.4 Oct.21, B.H D.S Dug well. Vitrified till curb; tile casing, top to bottom. Terent reported water in fine sand and never feel 1936 60 17.8 Sopt. 2, B.H D.S Dug well. Tood curb; brick casing, feels in drought. top to bottom. Owner r.ported unter in white sandatone feel flows Jan. 4, None S Reyorld uniform flow of and never feels in drought. 1937 62 do. do. None S Estimated flow, 1 gallon a minute from saveral optimies in fine white sand. Known locally as Denton Valley String. flumerous surrings in this locality. 63 do. do. None S Estimated flow, 1 gallon a minute from saveral optimies in fine white sand. Stronger flow reported in raisy seasons. numerous openings in thit sand. Reported heavier flow for a water flow, 3 gallons a minute in raisy seasons. From numerous openings in thit sand. Reported heavier flow from the fine fine sand. Reported heavier flow from the fine fine sand. Reported heavier flow from the fine fine sand. Reported heavier flow and fine fine sand. Reported the fine fine fine sand. Reported water in fine gand. Reported beils down but never feels in drought. Temperstand. Purchased flow, 2 gallons a minute fine gand feels flows for the fine gand. Reported water in fine gand. Reported water in fine gand. Reported water in fine gand. Reported water in fine gand. Reported water in fine gand. Reported water in fine gand. Reported water in fine gand. Reported water in fine gand. Reported water in fine gand feels flows for several curb; concrete casing, top to bettom. Several consists of the fine gand feels for five fine sain, top to bettom. Tenant reported water in fine gand mount feels in drought. Several parter which gand in drought. Several submers but refills quick-leaving for the first sand and never feels in drought. Several hundred feet. Drivel feels in drought. Season, for several hundred feet. Drivel feels in gands for several hundred feet. Drivel feels in sands for several hundred feet. Drivel special springs		1~.0		17,11	ر.و د	
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58 26.4 Oct. 21, B.H D.S Dug well. Vitrified till curb; tile easing, top to bottom. Tenent reported water in fine sand and never 1936 60 17.8 Sept. 2, B.H D.S Dug well. Wood curb; brice casing, falls in drought. top to bottom. Owner reported water in white sandstone of 1936 61 Flows Jan. 4, Now. S Extracted uniform flow of jend never falls in drought. 1937 62 do. do. Non. S Estimated flow, 1 gallon eminute from several ponings in this locality. 63 do. do. Non. S Estimated flow, 15 gallons eminute from several ponings in this wald. Scooper to do now a fall flow opening in this wald. Scooper to do now flow flow rough flow reported in rring flow reported in rring seasons. In the seasons of the flow, 2 gallons a minute from several device flow do. do. None D.S 40 feet 2-inch iron casing. Festimal in rainy seasons. It from numerous openings is sand. Reported heavier flow and flow, 2 gallons a minute. Fighbor reported water in fine blue sand; never fails in drought. Tempered flow, 2 gallons a minute. Fighbor reported water in fine blue sand; never fails in drought. Tempered flow and flow flow. Beginder reported water in fine sand. Reported belief down but never fails in drought. Send. Reported water in fine sand. Reported water in fine gay sand and fails flow of gallons a minute. From a in drought. Several openings in light sand. 70 13.8 Sept.11, B.H D.S Dug well. The curb stille casing, top to bettom. Page flow for the properted water in fine gray sand and feath several openings in light sand. 71 55.2 Sept. 2, B.H D.S Dug well. Wood curb; brick casing, top to bettom. Page flow for the properted water in fine gray sand and never fails in drought. Several bundred by the sand and never fails in drought. Several bundred for fails and supply from fine send and never fails in drought. Several bundred for the fails of drought. Casing, perfore teach to bettom. The sand was flower fails in drought. Severa	57	FICMS	do.	Lone	٦	
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61 Flows Jan. 4, None S Reported uniform flow of land never fails in drought. 2 gallons a minute from opening in hard, fine, brown ish-white stand. Known locally as Denton Valley Spring. (Extinated flow, 1 gallon a minute from several openings in fine white stand. Stronger flow reported in rainy 1936 and oct. 21, Flow S Estimated flow, 15 gallons a minute from several openings in fine white stand. Stronger flow reported in rainy seasons. International flow of the stand flow o	60	17.8		B,H	D,S	
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Sept.16, None S Estimated flow, 3 gallons a minute from in drought.						•
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sand and nover fails in drought. Small springs and	78	25.7		B,H	۵,5	
			TA39		1	
; several similar wells nearby.				j	i	
		 	[1	<u> </u>	; several similar wells nearby.

-9-Records of wells and springs in Burleson County -- Continued Height of No. Distance Survey Owner Date Depth Diammeasuring Topofrom graphic comof eter point Caldwell situaplewell of above tion ted (ft.) well ground (ft.) a/ (ir.) 80/9 miles H. H. Goff Baskin School Sand 40 10 northwest flat 81 do. J. C. Meek Creck 23 30 S. M. Segler 1934 2 valley 82 11 miles J. Shaw Mrs. F. A. Yr.oll 1916 29 2 --northwest Mauldin top 83 113 miles H. Martin D. H. Hornsby Ridge 1924 18 30 2 northwest top 84 12 miles E. Sante Rudhank Oil do. 1936 ---Test 85 11 miles 1935 6,337 7. C. Pierce Guntle Q. V. Crain ∵est slop€ J. C. Valker 30 86 14 milus C. R. Sprose 21 2 do. 1919 west 87 12 miles 30 31 do. J. E. Dyer do. 1933 3 west A. Smith F. A. Willard 1935 16 30 $88/10\frac{1}{5}$ miles do. 3 west 42 89 8 miles E. Hill Vebb Price do. 1916 30 3 west do. S. C. Robertson k. C. Ryan Gentle 48 30 90 0 slope 27 91 7층 miles 8 do. C. S. Perry do. 3 vest P. R. Odstricil Knoll 35 30 ão. 92 dc. 2 top Pete Odstricil Gentle 30 30 93 do. do. 2 slope do. 48 30 do. V. D. Floyd Small 1920 1. 94 ridge 95 7 miles do. -- Johnson Gentle 27 36 3 slove west 3 38 30 L. R. Buffington do. 97 75 miles do. west 3 Jos. Janicak 36 36 do. 98 7 miles do. northwest 30 8 5 Jose M. Sanches Mrs. A. B. James Ridge 1911 99 5 miles north-est $100 \frac{4\frac{1}{5}}{\text{miles}}$ J. B. McKecn R. S. Bowers Spring --Draw northwest do. άο. do. do. 101 do.

e/ Measuring point was usually tor of casing, top of wall curb, or top of pump base. 1/ A, air lift; B, buck t; C, cylinder; Cf, contrifugal; T, turbine; D, diosel engine; E, electric; G, gasoline engine; H, hand; M, windmill; number indicates horsepower.

			77.	I. Cla	ra, Jr., Project Superintendent
	Water	Level			
	*	Date of	,	Uзе	Remarks
	below	measure-	and	of	
	measui	- ment	pewer	water	
	ing po		<u>b</u> /	<u>c/</u>	
	(feet)				
80			C,H	D	Concrete block curb . Screen at bottom. Reported
					strong supply from whate sand; rever fails in drought.
61	19.8	Sept. 4,	В,Н	ន	Due tell. Concrete curb; concrete casing, top to bot-
*********		1936			tom. Comer reported ester in fine white sand and nev-
82	25.2	do.	В,Н	ກ,ຬ	Dur - 11. Concret curt. Owner or cails in drought.
					reported rater in fine white send and never fails in
83	9.3	do.	B,4	D,S	Dug well. Concrete curb; concrete casing, drought.
	1				top to bottom. Owner recorted teter in red sand and
	L				gravel and acvor fails is drought.
84					Oil test. Depth, Sept. 4, 1986, 4,800 feet. Not com-
					ploted. Drilled by Goffield and Laring.
85		i			Oil Test. 200 feet $15\frac{1}{6}$ -inch casing; 2,735 feet $10\frac{3}{4}$ -
	<u> </u>				inch essine. See log.
86	13.3	Oct. 15,	В,Н	D,S	Dup 7.11. Wood curb; vood cosing, top to bottom. Owner
	<u> </u>	1936	<u> </u>		reported rater in fine white sand and bails dry but
87	30.1	Sept. 3,	В,Н	D,E	Dug well. Wood curt; concrete never fails in drought.
		1936		,	casing. Tonant reported ater in fine sand and lever
88	16.0	do.	E,H	D,S	Dug well. Concrete curb; concrete fails in drought.
			Ì		casing, top to bettom. Other reported vater in fine
				 	white send and never fails in drought.
89	32	Scpt.22,	B,H	D,S	Dug well. Wood curb; 16 feet brick easing at top.
		1936			O mer reported strong supply from shell rock, 40-52
90	32.6	Sont. 3,	В,Н	D,S	Dug well. Brick curb; brick casing, top to fact.
	60.3	193€	- T. T.	<u> </u>	bottom. Owner reported water in sand and never Fails
91	22.1	Oct. 9,	В,Н	D,S	Vitrified tile curb; tile casin, top to in drought.
	70 5	1936	T) 37	D	bottom. Tenent reported water in fine sand end never
92		Sept. 3,	В,Н		Dug well. Brick and concrete curb; fails in drought.
	Í	1936			brick casing, top to bottom. Owner reported water in
0.7	07.4	0.5		0.0	yellow sand and naver fails in drought. Dug well. Brick curb; brick casing, top to bettom.
93		Oct. 9,	C, 1	D,S	
94		1936 Sept. 3,	B,H	⊃,s	Our er reported strong supply from white sand.
94	44.9	1	D,11	, ,	Dug rell. Brick curb; brick casing, top to bottom. O nor reported rater in fine white sand and never fails
0.5	15 7	1936.	B.H		
95	TO.7	Sept.15, 1936	تاوت	9,0	Dug rell. "ood curb; 8 feet rock casing in drought. at top. Tenent reported act r in send and never feils
97	737 0	0cs. 9,	В,Н	1) 6	
37	1	1936	ارو ا	, -	Dug well. Concrete curb; brick cosing, in drought. top to bottom. Owner reported mater in fine tan sand
		1900	Ì		and never fails in drought.
98	9r: E	Sept.15,	F. 73	D,S	Dug will. Brick carb; 8 feit brick casing at top.
30		1936	ا ولا إ	٠,٠	Open bottom. Water reported in fine ships sand and
99		Oct. 9,	В,Н	o,s	Vitrifi d till curb; till cus- never feils in drought.
ララ		1936	, n	ر ور	ing, top to bottom. Tenert reported wat r in fine tan
	!	1.000	! !		quicksand and never fails in drought.
100	Flows	do.	No.1	7, 8	Estimated flot, 15 gallons minut from numerous open-
TOO	T. TO '12	1 00.	140.17	ب و د	ings in fine ten sand. Improved with 1 joint 30-inch
		<u> </u>	ì		vitrified tile. Reported stronger flow in reiny weath-
101	do.	ão.	Hon.		Esting t d flot, 20 gallons a minut from numerous cr.
⊥∪⊥	""	αυ.	1.0.1.		openings in thit send. Supplies stimming pool. Re-
			1		ported stronger flow in rainy worther. Thorn locally
	•		i		portion strong in those in thing also where the information in the Spring.
c/T	don	stic T	irrio		Tud. iranstri d: P. public: S. stock: N. not used.

e/D, domistic; I, irrigation; Ind, industrial; P, public; S, stock; N, not used.
d/ No unter sample collected for samples.

c/ Water level reported.

-11-

Records of wells and springs in Burleson County--Continued Height of Distance No. Survey Owner Торо-Date Depth Diammeasuring from graphic compoint of eter Caldwell well sitvapleof above tion ground ted (ft.) well (in.) (ft.) a/ 102 45 miles I. & G. N. J. R. Bent 85 Ridge 30 0 __ northwest R. R. Co. top 103 do. J. Wilcox Walter Koehler Draw -- Spring 105 6 miles Ethel Henslee Ridge 1928 39 36 ī __ west slope 106 9 miles H. M. McMillan E. Hill Gentle 1936 36 36 2 slope west 8 miles C. B. Erath Vince Urban 25 30 107 do. ō west 108 7 miles S. E. Robertson Mose Pierce Draw Spring west 2 110 5g miles J. W. Porter Henry Townsend Gentle 1936 46 30 west slope 3 C. C. Nelm $111 4\frac{3}{4} \text{ miles}$ Hilltop 47 30 do. southwest 113 12 miles E. Swearingen J. C. Windell Gentle 1933 92 8 ī southvest slope Joε Vciss 1935 20 8 $114 1\frac{1}{1} \text{ miles}$ S. Dickonson Valley 2 southwest G. C. & S. F. Ry 115|In Calddo. Centle 1936 351 5 ī well slope J. R. Simpson 1935 18 30 120 1 mile do. Ridge 1 southeast top L. B. Dowell 19 do. do. 1935 8 121 0.5 do. A. S. Broadas Hill-122 1 miles do. -- Spring --southeast side Ridge Gordon Shanklen 12 30 123 2 miles do. 4 southeast top 125 15 milus C. Cromady Creek 1926 32 36 do. ī south valley 30 J. Janacek Gentle 49 $126 2^3_{\perp}$ miles E. Swearingon 3 slope south $127 \, 3\frac{1}{4} \, \text{miles}$ A. C. Windell 1933 79 8 do. do. 1 southwest John Pivonka 1922 270 128 4층 miles D. Clark Ridge 4 0 southwest top J. J. Jurcak Gon tlo 1915 58 8 129 6분 miles J. Read 0 southwest slope

-12-W. I. Glark, Jr., Project Superintendent Tater Lovel No. Depth Date of Pump Use Remarks below measureand οf maasurment power vater ing point b/ c/ (foct) Due well. Brick curb; brick casing, top to bottom. 102 55.0 Sept.12, B,H D.S 1956 Tarant reported water in fine white sand and nover 103 Flows Aug. 26, Hone Reported uniform flow of 50 gallons fails in drought. a mirut: from numerous openings in white sand. 1936 Dur : .11. Brick ourb; 39 fact brick casing. Owner 105 32.7 Supt.12, C.H D.S reported water in fine thits sand and never fails in 11936 Dug rell. Log curb; 2 feet log cosing at 106 35.4 Scot.22. B,14 D 1936 top. Owner reported actor in packed sand and never 21.8 Nov. 16, Dug till. Rock curb; rock casing, fails in drought. 107 В,Н top to bottom. Orner reported with in yellow sand-1936 stone and never frils in drought. Reported uniform flow of E gultons a minute from 3 108 Floos Sent. 32, Kon. D,S openines in white sond. Improved with wood box and 3-1936 inch till. Known locally as Liberty Spring. 37.1 Cct. 1C, Dug Tell. Mood curb; 14 feet mod casing; 38 feet con-110 B,H D,S 1956 crete casing, open at bottom. Owner reported water in black sand and never fails in drought. Dug Tell. Rood carb, brick easing, top to bottom. B.H D,S 111 do. Tenent reported strong supply from fine tan sand and 113 58.0 Sept .25. 0.7 D.S Vitrified tile curb; 92 feet | never feils in drought. tile casing. Ormer reported water in fine gr yish-blue 1936 send and never fails in drought. Reported slight draw-B,H D,S Vitrified tile curb; down after pumping 50 barrels. 8.0 Cct. 8, 114 tile casing, tor to bettem. Owner reported water in 1936 rud iron ore gravel and bails dry but nuver fails in A,D, Ind Steel curb; 215 feet 10-inch steel cosing; 271 drought. 115 30 e/37書 fact 5-inch stal ersing; 80 fact 5-inch screen at bottom. Fumpor reported inter level 80 feet when pumping 200 galions a minute from fine gray send. Drilled by Layme-Toxos Co. 120 12.5 Dec. 4, 0,E,-Dug well. Concrete curb; 18 feet concrete easing. O'mer reported water in fine tan 1956 sand and lowers in drought. Dug woll. Vitrified tile curb; 19 feat tile casing. C,E,Ė 121 8.3 do. Orner reported ofter in fine ten send and lovers in Estimated flow, 1 gallon a minute from open- | drought. None 122 Flows Dec. 7. 1936 ing in sand on cast slow of hill. Box curb. 123 13.5 Oct. 14, В.Н D,S Dug rell. Concrete curb; concrete casing, top to bot-1936 tom. Other reported tater in fine the send and nover 125 Dug well. Brick curb; brick craing, fails in drought. 9.1 Nov. 6, B,H D,S 1936 top to bottom. Tomen's reported strong supply from fine send and never fails in drought. Dug well. Thod curb; 51 flet brice essing. Owner re-126 14.3 Oct. 1. В,Н D.S 1936 ported water in fine, sandy, iron ore gravel and never Vitrified tile curb; 79 feet tile ! fails in drought. 127 37.0 B,H,& D,S do. C,W casiag. Tenant reported strong supply from fine white sand and never fails in drought. C,H D,S 128 Concrete curb; steel easing, top to bottom. Screened 46 e/ at bottom. Owner reported strong supply from gray quicksond and never fails in drought. 0,G,2],s Vitrifica tile curb; tile casing, top to bottom. Owner 129 16 e/ reported slight drawdown after pumping 12 barrels a day from fine gray quicksand. Reported never fails in

drought.

-13-

Records of wells and springs in Burleson County--Continued

	Ке с	ords of wells an	d springs in Burle	son Count	<u>y</u> 00	ntinue	ed	
								Height of
No.	Distance	Survey	Owner	Topo-	Date	Depth	Diam-	measuring
	from			graphic	com-	of	eter	point
	Jaldwell			situa-	1	well	of	above
				tion	ted	(ft.)	πell	ground
						(2 0 0 7	(in.)	i
377	01 2100		J. J. Holik	Gentle		50		3
100	$8\frac{1}{3}$ miles		J. J. HOLIK	1		50	36	٥
	west			slope				
134	10 miles	E. Tatum	M. E. Brymer	do.	1911	50	10	2
	west							
13 5	10 miles	H. McKeen	Chas. Adamwate	Hill-		25	30	S
	southwest			top				
				-				
136	10 miles	do.	Sunnyside School	do.	1925	28	8	- 0
100	southwest		Banny Brace Some of	uo.	1020	~~	J	, v
3.77		H. Griffith	C O Dlabob	Gentle		C.C.	8	0
137	$10\frac{1}{8}$ miles	H. Griiiion	S. C. Blahah			66	0	0
	southvest			slope				
139	10 miles		John Harrison	do.		29	30	2
	southwest							
141	9 miles	E. M. Jox	Henry Mitchell	do.	1918	80	10	2
	southwest	_,						
1/2	10 miles	H. McKeen	Olivia Parker	Hill-		5 5	30	2
140	li .	II. MOIZEOII	Olivid laiksi	1			UU	. ~
	southwest			side				l
						<u> </u>		
143	do.	do.	Rufe Coleman	Drew	;	Spring		
144	10를 miles	do.	Karnes	Gentle		25		1
	southwest			slope				ł
145	10 miles	do.	Rufus Coleman	do.	1936	30		~ 0
7.40	southwest		liarab oolemon	uo,	2000	00		1
146		E. M. Cox	Dick Fisher	Hilltop		21	8	1
140	uo.	E. M. OOA	DICK FIBRET	TETTE OOD		27		_
			77	<u> </u>	3070	 		
147	9 miles	do.	Frank Krall	Gentle	1932	33	8	. 1
	southwest			slope			<u></u>	
148	9분 miles	do.	John M. Paukret	Ridge	1926	59	8	, 5
	southwest			top				
149		S. F. Austin	Hugo Doerr	Hilltop	1906	108	8	1
				_			Ì	
150	9g miles	do.	Mrs. C. Kocurec	đo.		56	36	1
100	south		112 % 1 0 1 110 0 0 1 1					
	504011						İ	
						72	 	
T2T	10 miles	do.	Mrs. L. N. Dear	Gontlo		37	8]. 1
	south			slore				
152	10를 miles	D. Perry	H. A. Benn	do.		54	8	1
	south							
	1		•				ł	
153	11 miles	do.	R. O. Flippin	do.		88	8	1
200	south							
3/15/	10 miles	do.	0. Brinkman	do.	1025	1,100		
<u>a/154</u>	2	uo.	U. Brinkman	uo.	1920	T . 100		
	south							
155	93 miles	Ann Bass	Jim Harvey	Hilltop		108	8	0.5
	south							
156	do.	do.	Otto Meier	Gentle	1911	61	8	1
				slope				
157	9 miles	M. B. Lawrence	John Machousky	Ridge	1916	34	30	1
	south			top	3			1
A /1 50	8 miles	do.	A. K. Polansky	Gentle	1057	3,200		
<u>a</u> /108		1 40.	w. W. LoTquarA	}	1200	0,000		
	south			slope				1
	1	T	1	f	t	•	1	

W. I. Clark, Jr., Project Superintendent

					ark, Jr., Project Superintendent
		r Level			•
No.	Depth	Date of	Pump	Use	Remarks
	below	measure-	and	of	
	measur	,	power	water	
	ing po		<u>b</u> /	<u>c</u> /	
	(feet)				
133		Oct. 15,	P,H	S	Dug well. Tood carb; rock casing, top to bottom. Owner
133			E,II	D	
		1936			ruported water in fine sand and never fails in drought.
134	16.5	Sept.22,	В∙Н	D,S	Dug well. Vitrified tile curb; 51 feet tile casing.
		1936			Omer reported strong supply from gravelly sand and
135	19.4	Nov. 16,	L,H	D,S	Dig well. Vitrified tile curb; never fails in drought.
		1936	•		Tile easing, top to bottom. Tenant reported vater in
					porous yellow rock and never fails in drought.
136	13.1	do.	В,Н	D	Vitrified tile curb; til casing top to bettem. Neigh-
			,	_	bor reported tater in white sand and never fails in
137	25.4	do.	B,H	D,S	Vitrili d til: curb; til: casing, top to bot- drought.
101	20.4	uo.	1-,.1	υ,υ	tom. Owner reported strong supply from fine sand and
139	90 7	Oct. 12.	В,Н	D,S	Dug well. Wood curb; loose inever fails in drought.
109	40.0	•	10,11	ت, و د	
		1936			rock casing, top to bottom. Owner reported rater in
					fine sand and never fails in drought.
141	42.3	Sept.22,	B,H	D,S	Du well. Vitrified tile curb; 80 feet tile casing.
	[1938			Order reported water in sand and never fails in drought
142	51.8	Oct. 12,	B,H	$\mathfrak{I}, \mathfrak{S}$	Dug well. Wood curb; loose Drilled by Henry Clemons.
		1 936			rock casing, top to bottom. Owner reported water in
					fine tar sand and never fails in drought.
143	Flows	đo.	None	S	Estinated flow, 2 gallons a minute from numerous open-
					ings in sendstore veirs. Known locally as Copporas
144	21.8	do.	В,Н	D , S	Dug well. Rock curb; rock casing, top to Springs.
T-32-2	21.0	ac.	نا) و لند	٥,٥	bottom. Owner report d strong suprly from white sand
145	28.0	do.	B,H	D,S	Dug well. Rock curb; rock and never fails in drought.
140	<i>≅</i> ೧•0	uo.	Dett	ت, ت	
= 10	100		- 		casing, top to bottom. Owner reported rater in soft
146	18.0	do.	В,Н	D	Vitrified tile curb; vile casing, top to sandstone.
					bottom. Meighbor report a water in white sand.
147	30.2	Oct. 15,	в,н	S	Vitrifi d tile curt; 33 feet tile casing. Owner ro-
		1936			ported vator in fine sand and never fails in drought.
1.48	31.5	đo.	В,Н	D,S	Vitrified tile curb; tile casing, top to bottom. Weigh-
					bor reported water in blue sand and never fails in
149	39.9	Mov. 13,	B,H	D,S	Vitrified tile curb; 108 feet tile casing. drought.
		1936	,		Poighbor reported strong supply from fine sand and
150	47.1	do.	В,Н	D,S	Dup well. Masonry curb; 56 never fails in drought.
-00	21 12		- >	_,_	feet sand masonry casing. Tenant reported water in
					five dark sand and nearly bails dry in 6 hours but
151	33.4	do.	В,Н	D	Vitrified tile curb; 27 feet never fails in drought.
101	JU•4	uo.	ا ⊤و سا	ָע ;	
7	EQ 7	L	73 77	70.0	tile casing. Reighbor reported water in fine blue sand
152	50.1	do.	В,Н	D,S	Vitrified tile corb; tile and never fails in drought.
					casing, top to bottom. Tenant reported water in blue
<u></u>					send and never fails in drought.
3 53	73.4	ão.	E,H	D	Vitrified tile curb; tile casing, top to bottom. Ormer
					riported weak supply from fine gray sand but nover
154					Oil test. Known as H. L. Griffin fails in drought.
ļ) [но. 1.
155	65	e/	C,H	D,S	108 reet vitrified tile casing. Tenant reported water
-					in fire sand and acror fails in drought.
156	52.1	Dec. 11,	В , Н	S	Vitrifi à tile curt; tile casing, top to bottom. Omer
		1936		~	reported water in dark grey sand and never fails in
157		Sept.24,	B,H	D,S	Dug well. Vitrified tile curb; tile casing, drought.
10/		1936	20,55	ں و ب	
158		1200		<u> </u>	top to bottom. O'mor reported ater in quicksand and
TOQ				***	Oil test. See log. Reighbor never fails in drought.
;		,	į		reported water flowed to surface from blue send at 1100
					f ct. Known as Poorboy Oil Co., A. K. Polansky No. 1.

-15-

	Rec	ords of wells an	d springs in Burle	son Count	ту Сс	ntinue	∍d	
No.	Distance from Jaldwell	Survey	Owner	Topo- graphic situa- tion	com- ple- ted	well (ft.)	eter of well (in.)	point above ground
	6호 miles south	M. B. Lawrence	G. A. Walman	Gentle slope	1925	22	30	1.
	8 miles south		Gus H. Eberhardt	do.	1925	95	8	2
161	8 miles southwest	S. M. Williams	Gus Brinkman	do.	1923	420	4	0
162	do.	do.	Frank Kubelka	Slope	1925	130	8	. 2
163	7 miles southwest	do.	do.	Ridge		149	8	1
164	do.	E. Greenwood	Otto Helvig	Gentle s l ope	1920	630	4	1
165	7 miles south .	do.	John Gerdas	do.	1912	165	8	1
166	6분 miles south	do.	do.	do.	1900	94	8	1
167	6 miles south	do.	E. D. Aharns	Hilltop	1927	430	8	1
168	42 miles south	D. Clark	Martin Hlavæty	Flat	1919	277	4	
169	3 miles scuth	E. Swearingon		Creek valley	1931	18	30	. 3
171	4 miles south	do.	W. A. Mercer	Gantle slope	1929	48	8	. 2
	$4rac{4}{4}$ miles south	do.	Bothel Rogers	do.	1898	70	8	1
173	8 miles southeast	J. 7. Bell	J. Hudec	Ridge top		82	8	2
174	7 ੇ miles southeast	do.	H. A. Duncan	Knoll top	1897	43	8	1
<u>d</u> /175	65 miles southeast	J. Bird	C. W. Young	Gentle slope		1,850		
	6 miles southeast	do.	O. Windle	ď∩.	1920	54	8	2
	$4\frac{3}{2}$ miles southeast	do.	Joss Garrett	do.		30	30	3
178	4 miles southeast	do.	Simpson Crocery Co.	do.		17	30	1

a/ Measuring point was usually top of casing, top of well curb, or top of pump base.
b/ A, air lift; B, bucket; C, cylinder; Cf, centrifugal; T, turbine; D, diesel engine;
E, electric; G, gasoline engine; H, hand; W, windmill; number indicates horsepower.

W. T. Clark. Jr.. Project Superintendent

¢	7		Ⅵ.	I. C1	erk, Jr., Project Superintendent
	·	r Level			
No.		Date of		Use	Remarks
	below	measure-	and	of	
	measui	r- ment	power	water	
	ing po	oint	b/	<u>c/</u>	
	(feet)				
159	1	Nov. 6,	В,Н	D,S	Dug well. Vitrified tile curb; 24 fect tile casing.
	~~~	1936	, , , , , ,	- , -	Tenant reported water in fine tan sand and bails dry
160	70.8	Dec. 11,	RU	D,S	Vitrified tile curb; 95 , but never fails in drought.
100		1936	, 4.7 <b>9</b>	,,,	fout tile casing. Owner reported water in fine sand
161	60	<del></del>	1 1	D G	
7.0.1	00	<u> </u>	A,G,		420 feet 4-inch steel cas- and never feels in drought.
	[ [		12	Ind	ing. Figished with 2-inch tubing. Slight drawdown
		[ 	! !	}	when yielding 30 gallons a minute. Owner reported
	<u></u>				strong supply; 'nover fails in drought.
162	Flors	Oct. 13,	Mono	D,S	Vitrified tile curb and casing. Flows 2 gallons a min-
		1936			uto from opening in casing 1 foot below ground and 3
			•		fort below top of measuring point. Aster reported in
	į				fine gray sand and never fails in drought.
163	12	c/	C,H	D,S	Vitrified tile ourb; 149 Get tile casing. Owner re-
	; 1	-	,		ported strong supply in fine gray sand and
		į			never fails in drought. Drilled by Chas. Durvasky.
164	30	e/	G,1/	D,S	Steel curb; 630 feet steel casing. Omer reported
			· • • • ·	_,_	strong supply in fine blue sand; never fails:
165	100	€/	0,7		Vitrified tile curb; 165   Drilled by Barron.
100	100		· · · ·		feet tile casing. O mer reported strong supply in fine
		,			blue sand and never fails in drought. Drilled by Lew-
166	720 77	Cet. 13,	D II	S	
<b>T</b> 00	30.7		. D,m	כ	Vitrified tile curb; 101 feet tile casing. is Kuehl.
		1936			Ormer reported rater in fine blue sand, 80-101 feet,
		ļ			and nover fails in drought. Drilled by Levis Kuchl.
167	30	<u>€</u> /	ত,স	D,S	Steel curb; 430 feet still casing. Driller reported
					slight drawdown when pumping 100 gallons a minuto
					from blue sand, 390-450 feet. Reported never fails in
		j			drought. Drilled by L. Kuehl. Sec log.
168	Flows	Oct. 1,	None	⊃,s	Concrett curb; 277 flot 4-inch stool casing. Estimat-
		1936			ed flow, 1 gallon s minute, 2 feet above ground. Own-
		· .			er reported rater in sand, 257-277 fest, and stronger
169	10.1	Nov. 6,	В.Н	D.S	Dur well. Concrete curb; vitrified   flow in winter.
		1936	,	,	tile casing top to bottom. Tenant reported vater in
					dark send and never fails in drought.
171	34.1	do.	B.H	N	Vitrified tile curb; tile casing, top to bottom. Owner
سلام الد	OTIL	u	<b>~</b> €11	TA	
172	50.4	do.	В,Н	D,S	reported water in fine dark sand and never fails in
172	JU • 4	₩O• !	D,II	۵,۵	Vitrified tile curb; tile casing, top to bot- drought.
3	70 7		TO 77	D 0	tor. Tenant reported strong supply in blue sand and
173		Oct. 14,	ㅂ,ㅋ	D,S	Vitrified tile curb; tile cas- never fails in drought.
		1936			ing, top to bottom. Tenant reported strong supply in
					dark gray sand and never fails in drought.
174	35.3	do.	в,н	D,S	Vitrified tile curb; tile casing, top to bottom. Owner
					reported water in dark sand and never fails in drought.
175					Oil test by Mid-Tex Petroleum Co. Neighbor reported
					water rises to surface.
176	21.1	do.	В,Н	D,S,	Vitrified tile curb; tile casing, top to bottom. Ten-
i				•	ant reported strong supply in dark sand and never fails
177	22.0	Scpt.24,	В,Н	S	Dug well. Concrete curb; concrete casing, in drought.
- ' '	~~•	1936	,	~	top to bettom. Tenant reported water in dark sand and
178	135	Oct. 14,	В,Н	D,S	Dug cll. Vitrified tile curb; never fails in drought.
1,0	10.0	1936	11 و ت	ت و ت	·
		ו מספב			tile casing, top to bottom. Tenant reported wat'r in
			2		fine ten sand and never fails in drought.  Ind. industrial: P. public: S. stock: N. not used.
-cII	പ വവസ്ത	SETP	1 11177 . 15	: 63 <i>0</i> 33	THE LEGISTERS PROPERTY STOCK! N. NOT USOG.

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

d/ No water sample collected for enalysis.

e/ Water level reported.

-17-

	Rec	ords of wells ar	-17- nd springs in Burle	eson Count	tyCo	ontinu	ed	
No.	Distance from Caldwell	Survey	Owner	Topo graphic situa tion	Date	Depth of	1	Height of measuring point above ground (ft.) a/
179	$3\frac{1}{2}$ miles southeast	J. Bird	Simpson Grocery Co.	Slope	;	Spring		(10)) (1)
180	3½ miles southeast	do.	do.	Gentle slope		56	8	1
182	3 miles east	Jas. Hall	Novack & Dubeak	Hilltop	1932	117	10	1
183	5 miles east	A. Blair	Walter Macat	Centle slope		35	10	2
	4호 miles east	F. Smith	W. F. Newcomb	do.		49	8	1
185	5 mil∈s east	B. Hughes	Zolph New <b>co</b> mb	Hilltop		95	8	1
186	5½ miles southeast	A. M. Cooper	Adolph <b>G</b> old	Knoll top		64	8	2
187	7 <mark>성 miles east</mark>	do.	<b>G</b> rady Ryan	Hilltop	1936	240	2	0.5
188	7 miles east	do.	do.	do.		92	8	. 2
189	5½ miles east	A. Blair	Dewitt Calvin	Ridge top	1919	26	8	1
190	6½ miles east	A. M. Cooper	John P. Marek	Gentle slope	1911	70	8	3
191	9 miles east	N. McFadden	Vince Hejl	do.	1925	58	8	. 2
192	6; miles east	J. Hughes	Jack Henderson	Hilltop		79	30	- 1
193	7 miles east		Rex Plimper	Gentle slope	1927	42	8	2
194	9층 miles east	N. McFadden	F. Marek	Creek valley	1920	1,920	4등	
195	đo.	do.	do.	Gentle slope	1922	1,560	4	
<u>d/196</u>	10 miles east	do.	do,	do.	1932	2,300		
197	do.	do.	Adolph Marek	do.	1920	115	8	1
<u>d</u> /198	10 ਨੂੰ miles east	M. Cummins	Marek	do.	1931	2,286		
199	do.	J. Kinkead	Old Bethlem School	do.		25	30	∴ 3

W. I. Clark, Jr., Project Superintendent

		*******	/i •	1. 01	ark, Jr., Project Superintendent
	Wate:	r Level			
No.	Depth	Date of	Pump	Use	Remarks
	below	measure-	and	of	
	measu:	r- ment	power	water	
	ing po		b/	<u>c</u> /	
	(fect		-	=1	
7.770		  Sept.24,	Mono	D,S	Estimated flow, 1 gallon a minute from 2 openings in
1/9	LTONS		I I Mone	0,00	•
	1	1936	1		tan quicksand at foot of slope. Improved with 3 joints
	[		! ! !		30-inch vitrified tile. Reported never fails in drou-
			!		ght. Known locally as Pabulek Spring.
180	34.9	Oct. 14,	в,н	D,S	Dug well. Vitrified tile curb; 56 feet tile casing.
	•	1936	f :		Tenant reported water in fine tan sand and never fails
182	90	е/	0,1,1	Tnd	Tilc curb; 117 feet tile casing. Estima- in drought.
			, , , , , ,		ted yield, 6 barrels a day. Water report d in fine
					yellow quicksend and never fails in drought. Supplies
183	77 7	Sept.23,	В,Н	D,S	Titrified tile curb; tile casing, top to cotton gin.
700	00.7		D, II	D, 0	
		1936			bottom. Owner reported weak supply in fine sand but
184	32.9	Dec. 17,	В,Н	D,S	Vitrified tilc curb; 49 feet   never fails in drought.
	<u> </u>	1936			tile casing. Owner reported water in fine sand and
185	62	<u> </u>	C,H	N	Vitrified tile curb; 90 feet   never fails in drought.
					tile casing. Neighbor reported strong supply in green-
			ţ		ish-block sand and never fails in drought.
186	62.1	Nov. 13,	B,H	D	Concrete curb; vitrified tile casing, top to bottom.
100		1936	, 25,22	1	Tenent reported water in sand and never fails in drou-
100	60	<del></del>	0,	D,S	Coment curb; 145 feet 3-inch galvanized iron cas-ght.
TO.	; 60 t	<u>e</u> /	Ο, .	$\nu$ , $\circ$	
	1				ing at top, 95 feet 2-inch screen at bottom. Owner re-
					ported yield 30 gallons a minute from fine gray sand,
	<u> </u>				195-240 feet, and never fails in drought.
188	68.1	Nov. 13,	В,Н	D,S	Vitriciand tile curb; tile casing, top to bottom. Orner
		1936			reported strong supply in fine sand and never fails in
189	24	do.	B,H	D	Vitrified tile curb; 36 feet tile casing.   drought.
					Owner reported rater in fine blue sand, 20-35 feet, and
190	71.9	Dec. 17,	В,Н	D,S	Vitrified tile curb; tile cas- never fails in drought.
		1936	,	-,-	ing, top to bottom. Owner reported water in fine gray
		2300			quicksand and never fails in drought.
191	52.5	do.	В,Н	D,S	
191	ರ್ಷ.ರ	uo.	ם,ם	ם, כ	Vitrified til. curb; tile casing, top to bottom. Owner
3.00					reported tater in gray quicksend and never fails in
192	74.9	Mov. 17,	В,Н	D	Dug tell. Rock curb; brick and rock casing, drought.
		1936			top to bottom. Maighbor reported retar in blue clay
					and sand. Reported bails dry but never fails in drou-
193	22.6	do.	В,Н	D,S	Vitrified tile curb; tile casing, top to bottom.   ght.
			·		O nor reported strong supply in dark shale and sand and
194	Flows	Jεn. 8,	None	D,S,I	
		1937	110110	,,_	180 feet 42-inch steel cosing. Estimated flow, 200 gal-
		1307			lons a minute, 80 feet above ground. Driller reported
					There in fine send, 1900-1920 feet; never fails in
-					drought. Temperature, 102°F. Drillod by F. Marek.
195	do.	do.	None	S,I	600 flot iron casing. Estimated flow, 30 gallons a
					minute. Owner reported water in fine blue sand and
					nover fails in drought. Temperature, 910F. Drillod by
196					Oil test. Drilled by F. Marck. Re-   Jackson & Balse,
					ported no strong artesian flow encountered.
197	90	€/	C,♡	D,S	Vitrified tile curb; 115 feet tile casing. Water re-
ا 'مستد ا		<i>≟</i> /	٠, ٠,	<i></i> ,	ported in fine sand and never fails in drought.
198					
TAG	~				Oil test. Drilled by F. Marek. Reported no strong
	0==				artesian flow encountered. See log.
199		Sept.23,	B,H	D	Dug well. Wood curb; 6 feet rock masonry casing at
		1936			top. Reported never fails in drought.
		•			

-19-

Records of wells and springs in Burleson County--Continued Height of No. Distance Owner Datc Depth Diam-Survey Topomeasuring from of cter point graphic com-Jaldwell si tuaplewell ofabove (ft.) well tion ted ground (ft.) a/ (in.) 200 12 miles C. Falenash W. H. Oliver 800 Gentle east slove 201 125 miles do. do. 1903 940 3 River east bottoms 202 13½ miles do. Bill Oliver do. 1898 700 2 east 1934 992 203 13 miles Wm. Raleigh J. M. Fountain do. 4 east 3 do. do. 1906 660 204 do. do. d/205 13 miles do. do. Flat 1936 _ . _= ___ northeast 1936 1,756 d/205d 13g miles do. do. northeast 206 ll miles do. Chas. Campesi River 1900 500 2 --east valley 207 10 miles B. Brooks Mrs. R. L. D. 2 Valley 500 ___ east Knight flat 2 208 do. do. 500 do. Gentle __ ___ slope 209 10 miles Jas. Carmode River 550 4 ----northeast bottoms 2 Tebb Howell 800 210 11 miles J. Curtis Hilltop northeast Height of Owner Topo-Date Depth Diammeasuring No. Distance Survey from graphic conof eter point Somerville ple-|well of above situation ted (ft.) well ground (in.) (ft.) a/ Vince Ofclarzak 8 301 10 miles J. Buchanan Gentle 71 i slope west 1911 87 8 9 miles do. do. 302 John Schoppe 2 west do. M. B. Lawrence F. O. Weichert 1930 107 8 303 do. 1 8 d/304 7 miles J. Burleson A. Schoppe Knoll 1924 75 northwest top do. J. Perry E. B. Jones 1929 91 8 305 Gentle 3 slope 307 9 miles do. C. C. Martin 25 30 do. ---1 northwest  $308 3\frac{3}{4}$  miles J. J. Nix 27 0. Perry do. 30 3 north

7. I. Mark, Jr., Project Superintendent

				<u> </u>	riz, Jr., Froject Superintendant
		Level			
No.	Depth	Date of	Pumo	Use	Remarks
I	below	measure-	and	of	
1	measur		power		
1				1 . 1	
1	ing po		<u>b</u> /	<u>c/</u>	
1	(fact)				
200		Nov. 20,	Mon	D,S	Estimated flow, 2 gallors a minute, into wood tank 39
~~~	T-4000		1/011/2	,,,	
		1936			fact above ground. Marghbor reported water in fin.
201	do.	do.	Nons	D,S	Reported flow, 25 sand and never fails in drought.
1					gallons a minute, 10 fect above ground. Steel casing.
- 1					Tatur report d in fine gray sand and never fails in
202	do.	do.	Non_{\sim}	Ind	Estimated maximum flow, 12 gallons a minute, drought.
1					12 feet above ground. Supplies cotton gin. Iron cas-
1					ing. Teighbor reported water in fire sand: nover
			<u> </u>		fails ir drought. Drilled byGillum.
203	do.	Sept.23,	None	Inó	Owner's ported flow of 30-100 gallors a minute, 45 feet
1		1936	•		above ground. Supplies cotton gin. Drilled by Layne-
204	do.	9/	None	Ind	Owner reported flow of 10 gallors Towas Co. See log.
20 4	uo.	3/	110116	1110	
					a minume. 680 feet steel casing. Supplies cotton gin.
205					Cil test. Reported strong artesian flow encountered
]					at 631 feet and 960 feet. Known as J.M. Fountain No.2.
2058					Oil test. Known as Drilled by M.R. Exploration Co.
2003					
					J.M. Fountain No. 1. Drilled by H.R. Exploration Co.
206	Flows	೦/	None	D,S	Owner reported flow of 10 gallons a minute, See log.
İ		****	1		6 feet above ground, from fine blue sand. 500 feet
					iron casing. Reported flows less than formerly.
			<u> </u>		
207	do.	Dec. 17,	Mone	D,S	Estimated flow, 2 gallons a minute. Stool casing.
		1936	ĺ		Noighbor reported water in fine gray sand and recent
208	đ∩.	do.	None	D,S	Estimated flow, 1 gallon a minute, decrease in flow.
200	.	20.	10110	,	2 fer above ground. Iron casing. Neighbor reported
				1	
					ratur in find gray sand; never fails in drought.
209	do.	đ٥.	Hone	D.S	Estimated flow, 2 gallons a minute 6 feet above ground.
			1		Studi easing. Meighbor riported pater in fine blue
210	do.		None	D,S	Tenent reported flow sand; never fails in drought.
210	ao.	<u></u> /	MOHE	υ, ο	
					la gallons a minute into tank. Galvanized iron casing.
ı					Water reported in fine blue send: never fails in
					drought. Drilled by Arch Fave.
	17107 - 7	· Lovel =			
			_	1	
No.			Pump	Usc	Romerks
	bolot	mcasure-	and	of	
	məasur	_ ment	power	rater	
			ı – ,	1 .	
	ing po		<u>b</u> /	<u>c/</u>	
	(fact)				
301	21.7	Mcv. 12,	В,Н	D,S	Vitrified time curb; tile casing, top to bottom. Owner
		1936	!	1	reported at r in fine gray quicksard and never feils
700	40		B,H	D	
302	40	do.	D,II	IJ	
			L		bottom. Owner reported strong supply in fine sand and
303	81.5	do.	B,H	D	Vitrifica tile curb; tile ess- never fails in drought.
		}	,		ing, top to bottom. Owner reported water in fine blue
		1		1	
	371	0-1-51		- 7	inviduos de la companya della companya della compan
304		Oct. 14,	В,Н	Ŋ	Vitrified tile curb; sand and never fails in drought.
304		0ct. 14, 1936	В,Н	Ŋ	Vitrified tile curb; sand and never fails in drought. 75 feet tile casing. Owner reported rater in blue
304		,	В,Н	N	75 fout tile casing. Owner reported water in blue
_		1636			75 fout tile casing. Owner reported rater in blue quicksand which has recently caved and shut off supply.
304 305		,	В,Н		75 fout tile casing. Owner reported enter in blue quicksand which has recently caved and shut off supply. Vitrified tile curb; tile casing, top to bottom. Own r
305	87	1936 do.	В,Н	D,S	75 fout tile casing. Owner reported vator in blue quicksand which has recently caved and shut off supply. Vitrified tile curb; tile casing, top to bottom. Owner reported yield, 3 berrels a day in dark gray quicksand
_	87	1636	В,Н		75 fout tile casing. Owner reported vator in blue quicksand which has recently caved and shut off supply. Vitrified tile curb; tile casing, top to bottom. Owner reported yield, 3 berrels a day in dark gray quicksand
305	87 15.7	1936 do. Sept.24,	В,Н	D,S	75 fout tile casing. Owner reported vator in blue quicksand which has recently caved and shut off supply. Vitrified tile curb; tile casing, top to bettem. Own reported yield, 3 herrols a day in dark gray quicksand Dug well. Concrete curb; and never fails in drought.
305	87 15.7	1936 do.	В,Н	D,S	75 fout tile casing. Owner reported vator in blue quicksand which has recently caved and shut off supply. Vitrified tile curb; tile casing, top to bottom. Own reported yield, 3 herrols a day in dark gray quicksand Dus; well. Concrete curb; and never fails in drought. concrete casing, top to bottom. Tenant reported water
305 307	87	1936 do. Supt.24, 1936	В,Н	D,S	75 fout tile easing. Owner reported rater in blue quicksand which has recently caved and shut off supply. Vitrified tile curb; tile easing, top to bottom. Owner reported yield, 3 berrels a day in dark gray quicksand Dus; well. Concrete curb; and never fails in drought. concrete easing, top to bottom. Tenant reported water in fine ten send and never fails in drought.
305	87 15.7 26.3	1936 do. Supt.24, 1936 Oct. 22,	В,Н	D,S	75 fout tile easing. Owner reported vater in blue quicksand which has recently caved and shut off supply. Vitrified tile curb; tile easing, top to bettem. Owner reported yield, 3 by rrels a day in dark gray quicksand Dus; well. Concrete curb; [and never fails in drought. concrete easing, top to bettem. Tenant reported water in fine ten send and never fails in drought. Dus; well. Vitrified tile curb; tile casing, top to
305 307	87 15.7 26.3	1936 do. Supt.24, 1936	В,Н	D,S	75 fout tile easing. Owner reported rater in blue quicksand which has recently caved and shut off supply. Vitrified tile curb; tile easing, top to bottom. Owner reported yield, 3 berrels a day in dark gray quicksand Dus; well. Concrete curb; and never fails in drought. concrete easing, top to bottom. Tenant reported water in fine ten send and never fails in drought.
305 307	87 15.7 26.3	1936 do. Supt.24, 1936 Oct. 22,	В,Н	D,S	75 fout tile easing. Owner reported vater in blue quicksand which has recently caved and shut off supply. Vitrified tile curb; tile easing, top to bettem. Owner reported yield, 3 by rrels a day in dark gray quicksand Dus; well. Concrete curb; [and never fails in drought. concrete easing, top to bettem. Tenant reported water in fine ten send and never fails in drought. Dus; well. Vitrified tile curb; tile casing, top to

Records of wells and springs in Burleson County--Continued

	Rec	ords of wells at	d springs in Burle	son Coun	<u> </u>	onvinue	3 a	
No.	Distance from Somerville	Survey	Owner	Topo- graphic situa- tion	•	Depth of well (ft.)	Diam- eter of well (in.)	Height of measuring point above ground (ft.) a/
309	3 miles	J. Long	Mrs. Lee Woods	Flat	1932	140	8	2
310	3½ miles northwest	0. Perry	Geo. Shelfer	đo.	1930	120	8	0
311	4 miles west	dc.	Harman Witte	Knoll top	1925	83	8	1.5
312	3½ miles	J. Craft	and Michigan (1994) - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 1994 - 1994	Gentle slope		17	40	3
313	2½ miles πest	E. Peaks	John Parker	do.		37	30	2
314	1; miles	J. Lastley	F. F. Snyder	Enoll top	1900	77	30	1.
315	₹ mile east	J. M. Hardiman	Gulf Coast Utilities	Gentle slope	1914	198	8	0
316	∄ mile northeast	ãc.	G. C. & S. F. Ry.	do.		825	8	2
317	l miles southeast	do.	Bob Brantley	do.	1934	10	30	. 2
d/ 318	1: miles east	do.	R. A. Brantley	åo.	1929	1,627		ngar siliki
<u>d/319</u>	22 miles east	J. J. Dewitt	W. H. Krauso, et al.	do.	1923	1,704		ap 4th
321	$5\frac{1}{3}$ miles east	W. W. Allen	J. H. Baker	Flat		Spring		
<u>d/322</u>	7 miles northeast	T. B. Rueso	W. R. A. Rogers	Gentle slope	1930	2,475		
	10 miles east	J. B. Chance	Burleson County	Hill- siác		Spring		
	102 miles east	do.	J. C. Patrick	đo.		do.		
325	ll miles east	do.	Town of Clay	Valley flot		24	36	2
326	113 miles	do.	G. C. & S. F. Һу.	Gentla slope			4	444 147
327	ll milss northcast	J. Chenowith	Robt. Komp	Vallay flat	1930	25	36	3
<u>d</u> /328	12 ¹ miles northeast	A. Kennon	J. W. Coulter	Bottom land	1934	6,033		as vit
<u>d/329</u>	14 miles northeast	Vm. McVilliams	W. A. Boyette	River bottoms		1,705		
330	11 miles	J. Chenowith	Icrmers Na- tional Bank	₫o.	1927	20	30	Ó
331	do.		F. J. Foyt	Draw bank	1924	1,032	3	ado ado

-22-

W. I. Clark, Jr., Project Superintendent

		··· · · · · · · · · · · · · · · · · ·	777 17 4	I. Cla	ark, Jr., Project Superintendent
		r Level			
No.		Date of		Use	Remarks
	below	measure-	and	of	
	neasu:	r- ment	power	water	
	ing po	oint	b/	<u>c/</u>	
	(feet				
309		Oct. 22,	В, Н	D,S	Vitrified tile curb; 140 feet tile casing. Tenant re-
		1936	,	- , -	ported strong supply in dark gray sand and never fails
310	98	e/	-,E,5	D.S	120 feet vitrified tile casing. Owner re- in drought.
			, _, _,	,	ported 22 feet drawdown after pumping 20 gallons a
	1				minute for 5 hours. Water reported in fine green sand
311	63 4	Sept.24,	В,Н	D,S	Vitrified tile curb; 91 and never fails in drought.
011	01.4	1936	لنور	D, G	feet tile casing. Owner reported strong supply in
		1230			
73.0	7.77 C	0.4 00	T) 7T	7.7	bluish-green sand and never fails in drought.
312		Oct. 22,	в,н	14	Dug well. Wood curb; wood casing, top to bottom. Ten-
22.0		1936			ant reported water in gray sand and bails dry but nev-
313	29.2	do.	В,Н	D,S	Dug well. Concrete curb; con- er fails in drought.
					crete casing, top to bottom. Tenant reported weak sup-
					ply in black sand but never fails in drought.
314	43.8	Jan. 5,	C,₩	D,S	Dug well. Vitrified tile curb; tile casing, top to
		1937			bottom. Owner reported water in fine sand and never
315	60	€/	A,Cf,	Ind	Plant manager reported slight draw- fails in drought.
			E,-		down after pumping 45,000 gallons a day. Capacity of
					air lift, 252 gallons a minute; of turbine, 150 gallons
					a minute. Water reported in fine gray sand; never
316	150	e/	A,D,	Ind	Steel curb. Attendant re- fails in drought. See log.
			100		ported 100 feet drawdown after pumping 175 gallons a
					minute for 1 hour. Water pumped from 3 similar wells
					nearby. Reported supply in fine gray sand: never
317	7.5	Sept.24,	В,Н	D,S	Dug well. Concrete curb; fails in drought. See log.
011	, .0	1936	22,11	2,2	concrete casing, top to bottom. Tenant reported water
		1300			in fine white sand and never fails in drought.
318					Oil test. Known as R. A. Brantley No. 1. See log.
210					OIT rest. Mighii as W. W. Dismittal Mo. I. Dec Tok.
319					Oil test. See log.
015					077 0000 000 1081
321	TET ATT 9	Dec. 16,	None	S	Estimated flow, 2 gallons a minute from numerous open-
ULL	TTOMP	1936	None	· ·	• *
322		T900			ings in dark gray send.
322					Oil test. See log.
707	T27 -	5. 61	NT.		77.4.2.4.3.22.4.3.23.4.23.4.3.23.4.23.4.23.4.23.23.23.23.23.23.23.23.23.23.23.23.23.
323	FLOUS	Dec. 21,	None	D,S	Estimated flow, 1 gallon a minute from opening in gray-
me :		1936			ish thit: sandston. Report d never fails in drought.
324	do.	do.	None	D,S	Estimated flow, 3 gallons a minute from numerous open-
					ines in white sand. Reported never fails in drought.
325	22.3	do.	в,н	P,S	Dug well. Wood Known locally as Sulphur Springs.
			1		curb; 18 feet wood casing at top. Resident reported
					water in sandstone and never fails in drought.
326			С,Н	D	Iron casing. Rosident reported strong supply in sand
			{		and never fails in drought. See log.
327	18.1	Dec. 21,	В,Н	D,S	Dug well. Wood curb; wood casing, top to bottom. Owner
		1936			reported water in hard sand and never fails in drought.
328					Oil test. Known as J. W. Coulter No. 1. Drilled by
		İ	1		South rn Seaboard. See log.
329					Oil test. Known as W. A. Boyette No. 1. 72 feet 10-
				1	inch easing. See log.
330	1 9	Dec. 21,	В,Н	D,S	Dug well. Concrete curb; concrete casing, top to bot-
000		1936	,п	٠,٠	
77.77		Dec. 14,	None		
OOL			MOTIO		Studi casing. Estimated flow, 30 fails in drought.
		1936	į	1	gallons a minute into tank 10 feet above ground. Neigh-
					bor reported water in fine sand; never fails in
					drought. Supply is warm.

	Reco	rds of wells and	d springs in Burle	son Coun	tyC	ontinu	ed	
NO.	Distance from	Survey	Owner	Topo- graphic	Į.	Depth of	Diam- eter	Height of measuring point
	Somerville			situa-	ple-	1	of	above
	20mer.Arrie			tion		(ft.)	well	ground
				51011	ted	(10.)	•	
my my C							(in.)	
332	10 g miles	J. P. Cole	H. P. Drought	Knoll	1935	16	36	- 2
	northeast							
333	do.	W. R. Dallas	G. Hinton	Valley flat	1919	35	30	1
334	9½ miles northeast	C. Gourd	Joe Baker	Ridge top		54	3 6	2
d/335	9 miles	J. P. Cole	J. H. Baker	Gentle	1929	2,097		
<u>~</u> / ₹000	northeast	1	J. II. Dunor	slope	1	~',` '		
776	8 miles	S. Lawrence	J. Bravak	Valley	 	38	36	- 2
990	northeast	D. TOMI OTICE	a. Diakay	valuey		00	00	~
77 77 77	1	A. Colvin	John Gunek	Gentle	 	31	30	0.5
337	9년 miles	W. COTAIL	Jenn Gunek	} -) JT	<i>5</i> U	0.5
	northeast			slope	1005	3.00		
338	8 miles north	J. S. Jox	A. W. Wincher	do.	1925	102	4	1
340	9g miles north	A. Colvin	Mrs. J. H. Kozar	do.		28	8	. 1
341	10 miles J	. Hollingsworth	R. R. & J. C.	do.	1912	73	8	1
	north	1	Wincher					
342	11 miles	P. Jola	Frank Orsaj	Flat	1935	32	8	1
	north			1				
343	10 ਹੈ ਸ਼ਾਂਹਿਤ north	A. Colvin	Frank J. Fojt	do.	1929	1,267	4	
344	do.	do.	do.	do.	1929	1,620	21/2	
<u>d/345</u>	do.	M. Cummins	A. Giesenschlag	Hill- side	1926	3,715		
346	ll miles north	do.	Martin Scar- borough	Gentlo slope	1928	30	8	1
347	do.	do.	Holley Wilson	Ridge top	1929	74	8	2
348	12 miles north	do.	J. F. Elsik	Gentla slopa	1925	890	3	
349	13½ miles north	J. P. Cola	B. H. Dewey	River bottoms		980	2	
350	do.	do.	do.	do.	2017 - 1211	750	2	
351	14 miles north	do.	do.		1900	750	2	
o/ Mcs	l surring point	t mag nanally to	on of casing ten	of mall	au rih	or to	0 f n	umn hase

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

b/ A, air lift; B, bucket; C, cylinder; Cf, centrifugal; T, turbine; D, diesel engine;
E, electric; G, gasoline engine; H, hand; W, windmill; number indicates horsepower.

W. I. Clark, Jr., Project Superintendent Water Level Use Mo. Depth Date of Pump Romarks below measureand οf measarment power water ing point b/ <u>c/</u> (feet) 352 18.4 Dec. 14, Due well. Concrete curb; concrete casing, top to bot-E,E D,S 1936 tom. Tenant reported water in fine sand and nover D,S 333 27.1 do. в,н Dug well. Vitrified tile curb; tile fails in drought. casing, top to bottom. Owner reported water in hard gray sandstone and nearly fails in drought. 0,7 334 46.8 do. D,S Dug woll. Concrete curb; 50 fest concrete cusing at tou. Yeighbor report d yield, 10 gallons a minute from sandstone and never foils in drought. 335 __ ---Oil test. See log. 23.8 Dec. 21. Dug will. Wood curb; 16 feet rock masorry casing at 336 В,Н D,S 1936 top. Reignbor reported water in hard sand and n. vor 337 28.3 Nov. 5, B,H D,S Dug well. Vitrifi a til curb; El fails in drought. 1936 fort tile cosing. Owner reported water in white sand 338 67 C,H Galvanized iron curt; 102 and never fails in drought. D,S e/ feet galvanized iron casing. Owner reported water in fine blue sand also weak supply but never fails in dro-340 18 6/ C,H Wood curb; 28 feet vitrified tile casing. Owner ught. reported water in gravelly blue sand and never fails U,W D.S Vitrified tile curb; 73 fect tile casing. In drought. 341 43 e/ Tonant reported strong supply in blue sand and never Vitrifi.d tile curb; 32 feet tile | fails in drought. 342 28 C,H D.S U/ casing. Owner reported water in blue sand and never 343 Flows Hov. 17, Non-Estimated flow, 20 gallons a minute fails in drought. 1956 from coarse white water sand reported in log, 1010-1020 fest. 1,269 feet 4-inch drill stem. Located behind Tojt Store, Snook, Texas. Reported never fails Estimated flow, 30 gallons in drought. Water is warm. Nov. 5, 344 do. None 193€ a minute. Driller reported vater in porous rock, 1550-1820 feet. Drilled by J.F.Elsik. Water is hot. See 345 Oil test. Reighbor reported strong artesian --__ flow encountered at 1,100 feet and 1,700 feet. Drilled $\overline{0},\overline{M}$ D,S Joncrete curb; vitrified by Oliphant-Caldwell Oil Co. 346 22 <u>ت/</u> tile easing, top to bottom. Tenant reported strong supply in fine blue sand and never fails in drought. 69.5 Dec. 17, B,H 347 D,S Witrified tile curb; tile casing, top to bottom. Owner 1936 reported water in fine quicksand and nearly fails in 348 Flows Nov. 17, None D.S Estimated flow, 5 rellons a minute. 878 feet drought. 1936 3-inch essing; 12 feet of screen at bottom. Owner reported vator in fine blue sand; never fails in dro-349 do. Nov. 20, None Ind Estimated flow, 2 gallons a minute, 8 feet above | ught. 1936 ground through 2-inch galvanized iron casing. Owner ruported water in fine gray sand; mover fails in drought. Drilled by W. S. Minl. Supplies cotton gin. Comer reported flow of 1 gallon a minute 6 flet above 350 D,S do. /زے Non: ground. 750 feet 2-inch iron casing. Owner reported unter in fine gray sand: new r fails in drought. Ormer reported flow of 1 gallon a minute 4 feet above 351 do. None D €/ ground through 2-inch galvanized iron easing. Water reported in fine blue sand: I never fails in drought.

Drill. d by W. S. Mial.

c/D, donostic; I, irrigation; Ind, industrial; P, public; S, stock; N, not used. d/ No vater sample collected for enalysis.

c/ Water level reported.

Driller's log of well 1		Oriller's log of well 85Cont	i ทบลดี
Birmir Oil Co., J. P. Sperks Esta	te. i	Thickness	
14½ miles north of Caldwell.		(feet)	
Thickness	Dorth	Sand 35	1478
(foet)	(feet)	Shale 36	1514
Surface clay and gravel 60	60	Sandy shele 10	1524
Gravel, shale, s rd streaks		Shale 36	1560
and boulders 140	8:71	Pyrite and sand 15	1575
Rock 61	261	Sand rock	1578
	201	Sendy shelo5	1583
Shrle, send brooks, nd	500		1587
boulders 239	500 500	L I	1610
Hard sand 7. Shale 10	570	Shale 25 Sand 38	
	580		1648 1650
	588	Sand rock 2	
Sand 38	620	Sandy shile 15	1669
Sandy shale 80	701	Sand rock 3	1672
Sticky shale 100	800	Sand and shale 1	1673
Send 15	815	Sand rock	1677
Shale 83	898	Sandy sh 18 52	1729
Sand 2	Ç∙1()	Hard sani 26	1755
		Shale 42	1797
Driller's log of velt 89	5	Sand rock3	1800
Q. Y. Crain No. 1.		Shale 9	1806
ll miles most of Caldwell.		Send 10	1819
Sard and rock 45	45	Shale 56	1875
Water send 17	6.2	Rocl 1	1876
Sand and clay 25	87	Shele and sand 36	1912
Sand 123	210	Sand 18	1924
Shale 151	561	Rock 1	1925
Rock 1	362	Sand and shale 29	1954
Hard sand 13	375	Sh 38 37	1991
Shale 6	531	Rock 1	1992
Sand 36	417	Sandy shale 30	2022
Shale 245	662	Shale 15	2037
Hard sand 10	672	Sandy shale 5	2042
Shale 25	697	Shele 10	2052
Hard sand 6	703	Hará sand and pyrite 36	2088
Shale and hard sard 20	723	Hard stind rock 2	2090
Shale 22	743	Hara sand 13	2103
Fard sand 5	750	Hard send rock 11	2114
Shale 42	792	Hard sind and sindy	
Sand rock 5	797	shale 37	2131
Sand 9	805	Hard sand rock 4	2155
Shale 24	830	Sind 3"	2185
Sand 15	845	Shale and broken	
Shale 25	870	sand 24	2209
Send 115	985	Hard send and shale 74	2283
Sond and shole 40	1025	Hard sand 2	2285
Herd sand 5	1030	Shale 8	2293
Sond 88	1118	Water sand 45	2338
Rock 2	1120	Sand rock 2	2340
Shale	1149	Sandy shale 10	2350
Send 2	1151	Hard sand rock 1	2351
Shale 28	1179	S.nd 14	2365
Herd rock 6	1179	Hard sand rock 2	2367
S-nd 2	1	Sandy shile 25	2392
Proken sand and sandy	1187	Shrift 6	2398
shale	1000	Sr.nd 107	2505
Shale 56	1270	<u> </u>	2543
	1326	<i>†</i> 1	2634
Send 112 Herd send 5	1438	11	20 <i>34</i> 6337
11c1d 3c1d	1443	the formation of the state of t	.,,,,

Driller's log of well 159		Driller's log of well 158Cont	inued
Poorboy Cil Co., A. K. Pol nsky N	0. 1.	Thickness	
8½ miles south of Coldwell.		(foet)	(foct)
Thickness	Depth	Gray sandy shale 6	1762
(feet)	(feet)	Sandy shale 1	1763
Clry 1	1	Sand, shale and lime 25	1788
Sandy clay 7	8	Shr.lo 82	1870
Shels 56	64	Scnd 5	1875
Sand 4	68	Shrlg 7	1882
Shrle 16	84	Sand 67	1949
Sand 12	ે	Shale 21	1970
Shr le 18	114	Sard	1980
Sand 11	125	Sandy shale 3	1983
Sh le 12	137	Sand6	1989
Rock 28	135	Sandy shale 1	2003
Srnd 1	166	Sand28	2031
Blue sendy shale 42	208	Sand, shals, and lime 9	2040 2 0 42
Rock 43	251	Sandy shale 2 Shale 10	2052
Shr le 6	257	Sindy shale 8	2060
110017	347	Sand 5	2065
Srnd 3	350 363	Sand and shale1	2066
Shr le and bouldors 13	531	Sandy shale 1	2067
Srnd 168 Shrle 23	551 554	Scn1 23	2090 2090
Rock 146	700	Shile	2139
Shelo5	705	Sand	2149
Sand 85	790	Shale 20	2169
Sandy shale 20	870	Sandy lime rock 14	2183
Shale 6	816	Green sand and lime 5	2188
Sind 30	846	Green scad 3	2191
Send and shale 7	853	Green sendy shile 16	2207
She le 141	994 994	Groon sand 5	2212
Send 83	1077	Green sand and shale 14	2226
Srnd and shale 5	1082	Green shale 8	2234
Shele 64	1146	Shala 1	2235
Srnd 50	1202	Hard shale 5	2240
Shr16 17	1219	Dork brown shale 40	2280
S'nd 25	1248	Sand 32	2312
Shale 40	1282	Rock 24	2336
Sand 19	1301	Sandy shale 2	2338
Lime rock 48	1349	Sc.nd 8	2346
Limo and said 7	1550	Sh-1c 4	2350
Shale 51	1491	Sand 4	2354
Send 40	1411	Sh le 3	2357
Brown sandy shale 5	1440	Send	2361
Rock 15	1461	Shale 3	2364
Shele	1402	Sand	2368
Sand 4	1-166	Shalo 19	2387
Sandy shale 5	1471	Sand 4	2391
Send 19	1490	Shalc 9	2400
Shrle 37	1527	Sand 6 Shole 8	2406
Sand 4	1531	Shite 6	2414
Shale 8	1539	Shale5	242 0 2425
Srnd 67	1606 1610	Rock 44	2469
Sandy shale 4 Shale 1	1	Rock 44	2470
Rock 24	161J 1635	Gray sand and dark shale- 7	2477
Shrle	1636	Shale 1	2478
Rock 18	1654	Sandy shale 58	2536
Shricis	1655	TOTAL DAPTH	2780
	1756	1 TOTAL DAFTH	2,000
<u> </u>		1 *	

Driller's log of well	167	Drillor's log of well	198Conti	nued
E. D. Aharns farm.	1		Thickness	
6 miles south of Caldwell.			(foot)	(fcet)
	ss Depth	Shale		•
(fcet		L .		584
Surface soil 10	10 1	Shale	- 23	607
Laminated white and	1 10	Blue shell rock		800
ycllow clay 50	60	Shale		624
Blue shile 100	160	Shell rock		627
	180	Shale	13	640
	390	Send		643
Broken shale and shells 210	430	Shale	11	654
Blue water sand 40	ا رينءِ، ا	Sendy snalo		673
m + 7 2 . 4 . 7	3.00	Shale	- 2	675
Driller's log of well	180	Send		678
F. Marck-Marck form.		Shile		682
$10\frac{1}{3}$ miles east of Callwell.		Sond	4 4	686
Cl~y 4	- 1			i .
Send 12	16	Shale		693
Red sand 6	22	Scnd		7:11
Hard sand 3	25	Sandy shale		716
Water sand 10	35	Shr1c		722
Shale 27	62	Green sand and shale-		725
Srnd 36	98	Sendy shalo		729
Shale2	100	Shr10		754
Sand 18	113	Sandy shale	7	761
Shrle 15	133	Shale		796
Sand 6	139	Srnd		805
Lignitc 11	150	Shalo and sand		813
Shrle 8	158	Sh/le		820
Lignite 6	164	Send		823
Shole 7	171	Shale		824
Sand 3	174	Send		626
Sand and shale 23	197	Shale		841
Sand 27	224	Green sand		842
Shr lo 10	254	Shale		843
Green sand 12	246	Green sand and shale-	1	844
Rock 2	248	Sand and shale		848
Shr.le 17	265	Srnd		854
Rock 1	266	Shalo		857
Shale1	267	Sini		898
Sand 9	270	Shalo		921
Shale 35	311	Sant		925
Shale and rock 42	355	Shalo		966
Sand and shale 2	355	Scni		970
Shr.lo 20	375	Shale	4	974
Shale and rock 39	414	Green sand and shalo-	2	976
Green sand and shale 6	420	Sandy shale	21	997
Shale 26	44€	Hard shile		T000
Sand 5	•	Sand	10	1010
Shr.le 11	462	Rock	1	1 1011
Sand 19	481	Brown sand and shale-	1	1012
Shale 59	540	Brown send	- - 3	1015
Blue shell rock 1	541	Shrle		1032
Shalo 3	1	Sen!		1941
Blue shell rock 1		Rock or boulders		1042
Shale	546	Hard sand		1045
Bluc shell rock 3	3		3	1048
Shale 2	551	Send and shale		1070
Blue shell rock1	552	Shale		1077
Sh^le	571	Rock or boulders		1078
Blue shell rock 1	572	(Continual or		
Pred SHOTT (ONT T	. 012	• 1	45	•

Driller's log of well 198Conti		Driller's log of well 198Continued
Phickness		Trickness Depth
(fcet)	(fest)	(feet) (feet)
Shale 9	1087	Sand and bituminous
Rock or boulders1	1088	shale
Shale 27	1215	
Sand showing gas 16	1131	T-0
Shale 9	1140	Iignitic shale 62 2285 Rock 1 2286
Hard sand 7	1147	TOTAL DEPTH 2236
Water sand 16	1163	LULAL DEFINE
Shele 14	1177	Driller's log of we:1 203
Sand 23	1203	Layre - Tex s Co., J. M. Fountain furm.
Shale 5 Sand 9	12 0 8 1217	13 miles cost of Coldvell.
Shale 10	1.827	Soil 8 8
Sand 81	1308	G1·y 24 32
Sandy shale 5	1313	Send and gravel 40 72
Shale 32	1345	Sandy-cl y rid gr vol 14 36
Sandy shale 59	1404	Hard clay 62 148
RockI	1405	Soft red clay 22 170
Shele 23	1428	Sand and gravel 48 218
Sand 31	1459	Hard shale 58 276
Shale 11	1470	Clay and gravel 60 336
Sand 9	1479	Hard shale 62 398
Shele 7	1486	Hard shale and clay 70 468
Rock 2	1488	Hard clay 42 510
Shele 9	1497	Shale and sand rock 64 574
Send 3	1500	Sandy sh.le 92 666
Shale 2	1502	Shale 108 774
Sand	1506	Sand 12 736
Shale 4	1510	Shale 44 830
Rock2	1512	Sand and sh le 162 992
Shale 23	1535	Sn: le 2 294
Iron pyrites 1	1536	CASING RECORD: 925 feet
Sandy shale 14	1550	4 - inch stool casing.
Shale and thin layers of		65 feet
rock 130	1680	4 - inch serten.
Sand 2	1632	2 foot
Rock1	1635	4 - inch set nipple.
Sand 18	1701	
Shale 3	1704	Driller's log of well 205a
Hard sand 3	1707	M. R. Exploration Co., J. M. Fountlin
Shale 8	1715	10. 1.
Hard sand 42	1757	132 miles northeest of Caldwoll.
Shale 17	1774	Rothry table 4 4
Hard sand 18	1792	Surface soil 4 8
Shale 13	1805	Red claj 24 32
Sand 35	1938	Sand and gr: vel 23 55
Shale 38	1876	Soft brown shale 54 109
Sand 11	1887	Soft rock 1 110
Sandy shale 9	1896	Soft brown shale 14 124
Sand 21	1917	Hard sticky shale 5 129
Shale 9	1926	Soft rock 1 130
Sand14	1940	Soft brown shale and thin
Shale 9	1949	layers of rock 45 175
Sand	1959	Brown shale, lignite, and
Shale 9	1968	some shell 32 207
Sand 32	2000	Send and some shell 11 218
Shale 74	2074	Soft brown shale and shell-75 293
Sandy shale 26 Shale 21	2100	Soft brown shale, sholl, and
Suare ST	2121	numerous thin layers of rock 65 358
		1006 00 [000

Driller's log of well 205a		tinusd Depth	Drillar's log of well 295 Continued Thickness Depth
		(fcat)!	
•	000)	(1090)	Brown sticky shale and
Hard gray shale and shall boulders	40	1 398	sh.ll 51 1161
Hard packed sand	3	401	Soft gr yich-brown sh la- 61 1222 Rock 1 1223
Hard shale	11	412	Soft snnlo 18 1241
Hard proked sind	2	-11/2	Book 10 1241
Soft gray shale	21	435	
Hard shale	10	445	
Hard gray shale and		1	Hari sticky brown shile
shell	20	465	with this leyers of
Soft gray shelp and		1	rock 128 1391
shell	30	495	Rock 1 1392
Soft shale, thin layers of			Hord sticky sh 12 12 1404
brown sand, lignite, and			Rock & 1496
rock	49	544	Hard shile and thin layers
Soft shale	14	558	of rock 1.1 1416
S-nd	10	568	Rock 1 1417
Brown shale, shell, and			Hard sticky shalo 4 1421
layers of sand	23	591	3oft sh.lo 1. 1455
Soft blue shale	11	602	Fine green water send and
Good water sind and			thin levers of shale 19 1454
lignite	34	636	Hard rock 2 1456
Soft shale	6	642	Green sand 6 1162
Soft shale and layers of			Groom shalo, sand, and
send	18	660	shcll 6 1168
Hard brown shale and			Soft shale and thin layers
sholl	80	740	of rock 24 1492
Hard, sticky, green shale-	13	753	Green sand and layers of
Soft shale	10	763	brown shelp on: lignite- 5 1197
Hard shale	7	770	Soft brown sh.le 45 1540
Soft gray shale and thin		.,,	Lignite ha layers of send
layers of sand	20	790	and brown shelp 9 1549
Soft gray shale, lignite	ω·-	'50	Soft brown shile 13 1562
nd s.nd	24	814	Water san1 27 1589
Hard gray shale, shell,	£)∓	0.1.2	Soft blue sh lo 82 1671
			Rock 1 1672
lignite and layers of	20	834	Soft brown shale 76 1748
hard sand	2	836	Brons nd mish lc 8 1756
	చ	000	BLO, U.S. 110 Wt. St. 16 C 1 1430
Soft gray shale and	7 /2		D-333, mln 3cm cv. p33 736
shell	13	846	Driller's log or sell 315
	Ī.	847	Gulf Const Utilities, behind
Soft gray shale and shell-	5	855	office of for going. In southeast
Rock	1	854	part of Smarvillo.
Hard shale, sholl, and this	67	075	Sanly loan 30 30
layers of rock	21	875	Sand 10 40
Soft shale	22	897	Lignite 16 56
Hard sand	4	901	Clay 7 63
Soft gray shale and thin			Sand rock E 68
layers of sind	45	9.46	Clay 3 71
Sendy and lignitic shala	27	973	Chalk 19 90
Shale, sand, and chocolate-			Clay 10 100
colored lignite	14	987	Lignitu 8 108
Good water send and thin	****		Gumbo
layers of shalo	.50	1037	lignite 10 158
Rock	ī	1038	Shale 10 168
Fine gray sand and layers			Water sand 12 180
of shale	8	1046	Shale and clay 18 198
Soft brown or gray shale	65	1109	(Continued on next page)
Hard rock	1.	1110	

Driller's log of well 315Continued Thickness Depth	Driller's log of well 318Continued Thickness Depth
(feet) (feet)	(foet) (feet)
CASH G RECORD: 200 feet, 8 - inch casing with bottom 20 feet perforated.	Sand and shale 40 920 Lignite, shale, and
160 feet, $1\frac{1}{8}$ - inch air line.	water sand 2 922
	Water sand 13 935
Driller's log of well 316	Sand and shale 15 950
G. C. & S. F. Ry., Wolls No. 1 and No. 2	Gummy shale and sand 50 1000
Near roundhouse, 3/4 - mile portheast	Gummy shrlo 40 1040
of Somerville.	Gumbo and boulders 10 1050
Clay 18 18	Tough gumbo 20 1070
Sand 6 24	Gummy shalo 70 1140
Lignite and brown clay161 185	Gumbo 15 1155
Send 15 200	Rock 2 1157
Blue gumbo	Sandy shilo 43 1200
Lignite 6 506	Rotten shale 50 1250
Blue gumbo 94 600	Gumbo 20 1.270
Send 8 608	Lignite 'nl shale 35 1305
Gumbo	Brown gummy shalo 55 1360
Sand 25 815 CASING RECORD: 785 foot, 8 - inch	Brown gumbo 40 1400
crsing. 40 feet, 8 - inch screen.	Rotten lignite and shale 50 1450 Coarse black shale 17 1467
450 feet, $1\frac{1}{2}$ - inch air line.	1 "
450 1600, 1g - Inch air Iinc.	Rotten shale 160 1627 TOTAL DEFTH 1627
Driller's log of well 318	TOTAL DEFIR 1027
Burham-Davis, R. A. Brantley No. 1.	Driller's log of well 319
1 - 1/4 mile east of Somerville.	M. M. Kr.uso form. 2 - 3/4 - miles
Blue clay 9 9	east of Somerville.
Gray and white water sand 6 15	Black sand 14 14
White sand 20 35	Weter sind 27 41
Hard shale and flaky sand 7 42	Lignite 8 49
Broken send and shale 13 55	Packed sand 7 56
Lignite 2 57	Blue water sand 14 70
Sand rock 2 59	Send rock 28 98
Sand and shale 45 104	Lignito 7 105
Hard gray sand 46 150	Sand and shale 175 280
Shale and lignito 20 170	Hard sanl 10 290
Sand and shale 23 193	Sand and shale 30 320
Shale and lignite 40 233	Sand 120 440
Gummy shale 3 236	Sticky shale and boullers- 20 460
Hard sand 20 256	Sen1 and shale 30 490
Lignite and shale 20 276 Sandy shale 62 338	Sticky shale 80 570 Broken shale 30 600
Lignite and sand 28 366	i }
Gummy shale and sand 54 420	Shale 30 650 Sand and shale 20 650
Lignite and sand 20 440	Harl rock 1 651
Gummy shale and sand 20 460	Sandy shale 29 680
Gummy shale 85 545	Sticky shalo 5 685
Shale 85 630	Send and shale 9 694
Gummy shale and boulders 20 650	Sanly shale 56 750
Gummy shale 15 665	Gumbo 5 755
Send and shale 10 675	Water sand 7 762
Sandy shale and gumbo 65 740	Lignite and study shale 15 777
Lignite 2 742	Water scal 14 791
Water sand 18 760	Sticky shale 57 848
Sand and shale 40 800 Water sand 15 815	Shelp and lignite 15 863
Water sand 15 815 Sand and shale 35 850	Sticky shale and bouliers- 12 875
Shrie 10 830	Sticky shale 100 975 Shale and boulders 25 1000
Gummy shale 20 880	Shale and boulders 25 1000 Gumbo 17 1017
No. 1 Oct.	(Continued on next page)
	. The second of More Page 1

Driller's log of well 319Conti		Driller's log of well 322Continued
Thickness		Thickness Depth
(feet)	(feet)	(fcet) (feet)
Shale 8	1025	Shale, sand, and lime
Gumbo 3	1028	rock 95 2140 Blue water sind 20 2160
Sticky shale 22	1050	Harl sand 60 2220
Shale and boulders 50	1100	Sandy shale and lime
Water sand 20	1120 1165	rock 18 2238
Shale and boulders 45 Lignite and sendy shale 20	1185	Soft green san! 2 2240
Lignite and sandy shale 20 Water sand 90	1275	Sticky shale and sand
Sticky shale 15	1290	boullers 78 2318
Gumbo sand and shale 40	1330	Tough gumbo 78 2396
Water sand 25	1355	Sand, sticky shale, and
Lignite and sendy shale 10	1365	lime shells 79 2475
Lignite 3	1368	TOTAL DEFIE 2475
Sticky shale 15	1383	
Shale and boulders 40	1423	Driller's log of well 326
Lignite 6	1123	G. C. & S. F. Ry., east of depot at
Sticky shale 37	1466	Clay.
Lignite 3	1469	$11\frac{1}{2}$ miles east of Somerville.
Shale and gumbo 18	1487	Soil 15 15
Sticky shale 25	1512	Clay 13 28
Herd send 3	1515	Rock 13 41
Shale 2	1517	Sen1 26 67
Lignite and sand 27	1544	Lignito 7 74
Water sand 12	1556	Blue sand rock 14 88
Sandy shale 24	1580	Blue sand 36 124
Sand and shale 18	1598	Gray sand rock 37 161
Sandy shale 22	1629	Lignite 8 169
Send 75	1695	Blue limestone 16 185
Rock 1	1696	St.nl 3 188
Sticky shale 5	1701	Gray sand rock 9 197
TOTAL DEPIH	1701	Soapstonc 20 217
		Rock 3 220
Driller's log of well 5	22	Soapstone 29 249 Fine blue send 5 254
W. R. A. Rogers form.		; —
7 miles northeast of Somerville.		Blue limestone 7 261 Soapstone 10 271
Surface send, sand rock, and	, co	Rock 11 282
fuller's earth 60	60	Sceptone 138 420
Fine water sand 15	207	Fine water send 60 480
Lignite, shale and gumbo 132 Fine packed water and 143	350	Sonpetone 45 525
Sticky shale, gumbo, lig-	200	Close blue sind,
nite, sendy shale, hard		lignite, and sompstone- 83 608
shells and sandstone 613	963	Water sand 5 613
Water sand, gumbo, shale,		Lignite and soapstone - 19 632
and sandstone 42	1005	Water sand 4 636
Water sand 15	1020	Sospstone and sand 11 647
Gumbo, shale and hard		Water scnd 40 687
sand 82	1102	Rock 1 688
Hard black shale 23	1125	
Hard sticky sendy shale,		Driller's log of well 328
gumbo, boulders, and		Southern Scabourd, J. 7. Coulter
herd send rock 737	1862	No. 1. 12, miles northeast of
Fossils and shells 10	1872	Somerville.
Sticky shale and hard sand- 96	1968	Surface 50 ; 50
Hard send rock 34	2002	Sand 75 125
Sticky shale, hard sand		Sand and shale 205 330
rock, and lime rock 38	2040	Sticky shale 150 480
Hard lime and sand rock 5	2045	(Continued on next page)
	, 1	•

Driller's log of well 328Cont		Driller's log of well 329Conf	
Thickness	-	Thickness	-
(fcct)	(feet)	(feet)	
Shale 60	540	Sticky tough shale 48	486 505
Sticky shale 429	969	Brown and blue shale 19	
Shale 286	1255	Blue shale 50	555
Sand rock 2	1257	Shale and sand 45	600
Sand 5	1262	Water sand 61	661
Sand and shale 18	1280	Hard dry sand 142	803′
Shrle 18	1298	Sticky shale 105	908
Shale and lime streaks - 77	1375	Sandy shale 213	1121
Sandy lime 2	1377	Sandy shale 69	1190
Sand and shale 10	1387	Sand and boulders 44	1234
Sandy lime 1	1388	Hard dry shale 105	1339
Sticky shale 23	1411	Sand 17	1356
Shale 4	1415	Water sand 36	1392
Lime 5	1420	Dry sand 12	1404
Shrle 70	1490	Sticky shale 96	1500
Sticky shale 10	1500	Sticky shale and sand 57	1557
Sticky shale and lime		Sticky shale 10	1567
shells 218	1718	Sandy shale 92	1659
Gummy shale 202	1920	Brown sticky shale 1	1660
Sticky shale and lime	!	Water sand 45	1705
streaks 240	2160		ı
Sticky shale 120	2280	Driller's log of well 33	
Hard lime shells 50	2330	J. H. Baker farm. 9 miles north	est
Sticky shale 6	2336	of Somerville.	
Shale 324	2660	Surface clay and lime	
Sticky shale and limo		rock 20	20
shells 160	2820	Broken lime and sand 22	42
Shale and lime 54	2874	Sandy shale 33	75
Hard lime 6	2880	Water sand 20	95
Shale 26	2906	Shaly gumbo 41	136
Hard sendy lime 82	2988	Sandy gumbo 59	195
Shale 6	2994	Sandy rock 2	197
Shale and lime shalls 21	3015	Blue gumbo 123	320
Hard lime 15	3030	Sr.ndy gumbo~ 50	370
Gummy shale 155	3185	Sandy shale 30	400
Sticky shalo 135	3320	Gumbo and gypsum 20	420
Gummy shale 25	3345	Shale 40	460
Sand 5	3250	Tough gypsum ind gumbo 39	499
Sendy shale 30	3380	Hard lime cap 1	500
Shale 65	3445	Brokes sand and brown	
Sticky shale 60	3505	sh le 12	512
Shrle 532	4037	Water sand 18	530
Hard limo 41	4078	Gumbo 30	560
Sendy shale 2	4080	Gypsum nd gumbo 15	575
Water sand 6	4086	Sandy shale 5	580
Hard sandy shalo 21	4107	Black shale 10	590
Sandy shale 133	4240	Gummy sh'lo 30	620
Lime rock 2	14242	Tough gumbo and gypsum 115	735
	- Andrew	Broken sand rock 5	740
Driller's log of well (329	Shale water 8	748
Dolly Boyett Oil and Gas Co.,		Gumbo and gypsum 32	780
W. A. Boyett No. 1.		Gummy shale 70	850
14 miles northerst of Somervilla		Srndy gumbo 50	900
Surface clay 46	46	Tough gumbo 26	926
Sticky shale 29	75	Sandy gumbo 49	975
Sticky blue shale 168	243	Blue sandy shale 25	1000
Shale and hard sand 129	372	Packed sand 17	1017
Dry sand 66	438	Lime rock 1	1018
	,	(Continued on next page)	

(Continued on next page)

Driller's log of well 335	Cont	inued ;	Driller's log of well 335Cont	inuod
		Depth		Dopth
	feet)		(feet)	(feet)
Lime cap `	5	I	Send 3	2024
Gummy sand	20	1043	Gumbo and streaks of	
Sandy shale	40	1083	srnoy sh.le 73	2097
Shale	7	1090	TOTAL DIFTH	2097
Water sand	50	1120		
Tough gumbo	14	1134	Driller's leg of well 3	44
Hard cap rock	1	1135	J. F. Elsik, Frank J. Fojt, behin	
Hard yellow sand rock	1	1136	Fojt Store, Snook, Texas.	
Tough gumbo	70	1206	10% miles north of Somerville.	
Gumbo	19	1225	Surface soil 27	27
Conglomerate and shale	20	1245	Sand 53	80
	یر 2	1247	Hard black sand 45	125
Hard lime rock		1255	Blue sand, gravel, and	120
Sand and shale	8	!	boulders 63	188
Hard sand rock	2	1257	Soft shale 16	204
Sandy shale	10	1267	Gumbo 2	206
Gummy shale	13	1289		239
Tough gumbo	20	1300		
Gurbo and gummy shale	50	1350	Soft shale 21	260
Sand, shells, and			Gumbo 22	282
shale	10	1360	Soft shale 22	304
Tough gumbo	40	1400	Water sand and boulders 62	366
Tough gumbo and gypsum	43	1443	Soft shale and boulders 56	422
Tough gumbo	30	1473	Blue shale 10	432
Gumbo boulders	10	1483	Gumbo 16	450
Tough gumbo	28	1511	Brown sticky shalo 40	490
Gumbo	1	1512	Gumbo 24	514
Sand, shale, and shells	4	1516	Shele 19	533
Gumbo ε nd shale	39	1555	Rock 1	534
Sandy shale and shells	10	1565	Gumbo 32	566
Gumbo and gypsum	15	1580	Shale 18	584
Gumbo	1	1581	Gumbo 2	586
Water sand	9	1590	Send rock 4	590
Shale and fossils	45	1635	Soft shale 19	609
Tough gumbo	50	1685	Water sand 20	629
Gumbo	15	170)	Gumbo 3	632
Tough gumbo	23	1723	Sticky shalo 14	646
Sendy gumbo	10	1733	Rock 1	647
Shale, shells, and sand	12	1745	Sticky shale 12	659
Sandy gumbo and shale	25	1770	Blue flint 2	661
Tough gumbo and fossils	30	1800	Gumbe 46	7:07
Tough gumbo	5	1805	Rock 1	7:08
Soft pink shala	55	1860	Shale and boulders 90	798
Hard coarse shale	40	1900	Gumbo 42	840
Brown water sand	b	1906	Soft shale +3	983
Gry water and		1940	Gumbo 17	900
Gumbo	5	1945	Hard rock 1	901
Brown shale and sand	5	1950	Shale 2	903
Brown sand and shall	5	1955	Hard rock 1	904
			Gumbo 16	920
Sandy shale	5 5	1960	Blue shale 30	950
Gumbo	5	1965		300
Sordy shale	30	1995	Hard and soft streaked	1,100
Brown gumbo nd streaks	_	}	shalc 50	1000
of srmd	5	5000	Tough gumbo 38	1038
Tough brown gumbo	8	8008	Shale and shell 27	1065
Soft shale	7	2015	Gumbo 15	1080
Tough gumbo	6	2021	Soft shale 10	1090
			(Continued on next page)	

Drillcr's lcg of ell		
	Thickness	
	(foct)	(fast)
Gumbo	- 30 1	1120
Hard block shale	- 12	1152
Boulders, brown shale,		
nd sholl	- 24	1156 !
Blue gumbo	- 19	1175
Soft block shole and		
boulders	- 52	1227
Sind rock	- 3.4	1241
Soft shelp and boulders-		1259
Water sand	- 8	1267
Shale and boulders	- 20	1267
Sandy shale		1322
Send rock		1326
Gumbo		1327
Blue send rock	- 2	1329
Blue shale		1342
Blue gumbo		1392
Black shale and shell	_ 11	1403
Gumbo	- 7	1410
Green shale	- 20	1430
Black shale and shall	*	1485
Hard blue rock		1487
Black shale		1507
Rock	- 2	1509
Black shale	- 15	1524
Rock	_ 1	1825 /
Brown shale		1530
Pipo clay	- 10	1540
Hard rock	- 1	1541
Brown shale	- 3	1544
Blue rock	- 2	1546
Blue shale	- 4	1550
Ircn pyrites	- 1	1551
Brown shale	- 5	1556
Rock	- 1	1557
Sticky shale	- 3	1560
Rock	- 2	1563
Brown shale		1570
Rock	- 2	1572
Blue shale and boulders Rock	8 2 6	1579
Shale and boulders	- 11	1590
Hard black shale	- 9	1599
Plack shale and shell -	- 22	1621
Water sand	_	1621
CASING RICCRD: 1620 fco	t	
21 - inch drill stem.		1
A THOSE GENERAL DOCUME		Ì

loss of test relis wrilled by W. P. A. labor in triese Jounty, Exas (Samples examined and classified by W. I. Clark, Project Superintendent.)

(b) improve o admired and ordered to a to	1
117 1 1 17	
Well 7	77 17 00
Flat, M. White tract, $13\frac{1}{5}$ miles north of	Well 22continued
Caldwell.	Caving at 36 feet.
Thickness Dopth	No rater sample collected. Dec. 31, 1956.
(feet)	
Black sandy gumbo 5 ! 5 ;	W.11 32
White micaceous send 10 15	Slope, H. Runhol treet, R. W. Scott Survey,
Tan sand with small ferruginous	6½ miles northeast of Calawell.
concretions 1 16	Thickness Depth
*	
Red sand 2 18	(feet) (feet)
Fine yellow sand 7 25	Sandy soil 2 2
Struck water at 25 feet.	Sandy yello clay6 8
Water level 24.2 feet below top	Brown shely eley and yello:
of ground, 12 hours after hold completed.	
Tater sample collected. Nov. 27, 1936.	Sandy rust-colored clay 5 15
	Dry white shad 7 22
Well 14	Gray sand and clay 10 52
	Fine gray state 17 49
Valley flat, F. M. Stubbs tract,	
H. E. Davis Survey, $12\frac{1}{2}$ miles north of	Struck with at 49 foot.
Caldwell.	Water level, 45.9 feet below top
Sandy red clay 2 2	of ground, 12 hours after hole completed.
Rust-colored sandy clay 7 9	Water scaple collected. Nov. 18, 1936.
Brown gravelly sand 1 10	
Reddish-brown send 4 14	7611 45
Rust-colored gr velly send - 22 162	Slope, Mrs. E. B. Bell tract, Francisco
Struck water at 14 feet.	Ruiz Survey, 3/4 mile north of Caldwell.
Water level, 14 foot below top of ground,	
	14
l hour after hold completed.	Green and yellow silty elsy
Water sample collected. Sept. 1, 1936.	vith black spots 3 6
	Yellot and bite stracked
7c11 21	cly 2 8
Flat, Giles McDermott tract, C. II.	Corrst white sand1 9
Nathers Survey, 11 miles north of	Green and yellow sandy clay 2 11
Caldrell.	Rod sindy elty and iron ora
Tan sand 2 2	gravel2 13
Red and gray sandy clay 6 8	Red sandy iron ore gravel 1 14
	Struck mater at 13 feet.
Yellow and gray hard silty	Water level, 12.6 feet below top
sand 15 25	of ground, 4 hours after hole completed.
Dork green glauconitic and	1 1
fossilliferous shale 17 40	Untor s mplo collected. Oct. 8, 1936.
Hard green rock glauconits,	
and fossils 1	∭311 46
Struck rock at 11 foot.	Side of county road, W. I. Clark, Jr.
No water sample collected. Duc. 15, 1936	tract, Francisco Ruiz Survey, 3/4 mile
<u>.</u>	Inorthwest of Caldwell.
mt-11 CO	Fine loose silty sand 3 3
Well 22	Sindy shile 6 9
Slope, J. Bowers tract, I. & G. N. R. R.	Corrsc gray s ná 1 10
Co. Survey, 10 miles north of Caldwell.	
Fine ten surfece s nd l l	Yellow sonly shale 2 12
Fine clay and dun-colored	Red s'ndy iron ore gravel 1 15
packed sand 1 2	Struck water at 13 feet.
Red clay and glouconitic	Water level, 12.1 feet below top
srnd 4 6	of ground, C hours after hole completed.
Fine gray sand tith red and	Writer sample collected. Cet. 8, 1936.
yellow nodules 5	
Verifor doi: to good and white	Toll 49

27

32 36 Caldwell.

Fine white sand and white

cley- - - - - - - 16

chocolate-colored clay- - - 5

Fine yellowish-brown sand and

Brown sandy gumbo - - - - -

Toll 49

Hilltop, D. Rolen tract, Francisco Ruiz

Survey, 1 3/4 miles north west of

Surface and ---- 1

Logs of T. I. tost we	lls i	r Burloson Com tyContinued
Toll 49continued Thickness Dej	pth	7011 59 Thickness Depth
(fcct) (f	oct) 7 17	(foet) (foet) Gentle slope, Will Newcome tract, J. Waring Survey, 4 miles north of Caldwell.
Well 50 Hillton, D. Rolan tract, Francisco Ru Survey, 2 miles north rest of Caldre Rod sindy clay 5	1 1	White son,2 2 2 Red sond2 4 Hard white sond12 16 Caving at 16 feet. No water sample collected. Nov. 2, 1936.
· · · · · · · · · · · · · · · · · · ·	23 30	Well 69 Valley flat, side of county road,
Struck water at 29 feet. Struck quicksand at 30 feet. Water level, 28.6 feet below top of ground, 10 hours after hole completed. Water sample collected. Jan. 6, 1937		A. Thompson Survey, 8 miles northwest of Caldvell. White sand
Well 51		Yellow sandy clay 7 17 Yellow clay and glauconite 2 19
Slope, side of county rend, J. B. Fox Survey, 2 3/4 miles north test of Cal-		Dark red clay 1 20 No vater sample collected. Sept. 21, 1936
Yollow and tan study clay 17 Fine white sand 10 Fine tan sand and white	22 32 40	Well 72 Valley flat, side of county road, H. H. Goff Survey, 9g miles northwest of Caldwell.
Yellow and red bedded send 2 caving at 42 feet.	42	Red sandy clay 3 3 Green red, and yellow
No voter sample collected. Dec. 11, 1	1936 .	sendy clay
Flat, Bill Blaha tract, 3 1/4 miles northwest of Caldwoll.		White quick send 1 22 Struck water at 21 feet.
Fine ten send 8 Fine white send 8 Fine white send and white	5 20 28	Struck quicksend at 22 feet. Thter level, 21. feet below top of ground, 4 hours after hole completed. Water sample collected. Sept. 2, 1936.
Fine white send o Quick send Struck quicksend at 42 feet.	36 4£ 4£	Well 73 Flat, side of county road, Jose M. Sancaes Survey, 7g miles northwest of Caldwell.
Well 53 Slope, Otto Berndt tract, J. B. Fox Survey, 3 miles northwest of Caldwell Fine white sand 2	est and the second seco	White sand 2 2 Sand and yellow elay 3 5 Thite and yellow sand 5 10 Thite quick sand 1 11 Struck water at 9.5 feet. Coving at 11 feet.
Gray and yellow silty sand and clay 32	10 42 46	Tater level, 9.5 feet below top of ground, 2 hours after hole completed. Tater simple collected. Aug. 31, 1936.

Struck ther at 46 feet.
Water level, 45.3 feet below top of ground,

Water sample colloctol. Nov. 17, 1936.

10 hours after hole completed.

Well 79	1
Slope, side of county road, W. N. L Survey, 7 miles northwest of Caldw Thickness	rell.
(feet) Sandy soil 2 Sandy yellow clay 1 Hard red sandy clay 4	
Hard ferruginous sand and clay 2 Soft tan sand 4 Fine dry white packed sand 8	9 13 21
Caving at 21 feet. No water sample collected. Sept. 4,	1936.
Well 96 Flat, side of county road, S. C. Robertson Survey, 7½ miles west of	
Caldwell. Fine white sand 2 Brown sandy clay 5 Hard gray sard and clay 3 Ferruginous sand and clay - 3 White sand 3	2 7 10 13 16
Sandy shale with rust and sulphur-colored streaks- 8 Brown sand and slaty shale - 3 Brown sand 2 White micaccous 7 Caving at 36 feet.	24 27 29 56
No water sample collected. Sept. 3	., 1936.
Well 104 Gentle slope, C. Harris tract, J. G. McKean Survey, 5⅓ miles west Caldwell.	of
Yellow and red sandy clay 5 Tan sand 1 Red sandy clay 7 Red sand 3 No water sample collected. Oct. 13	10 11 13 21
Well 109 Slope, side of county road, S. E. Robertson Survey, 6 miles west of	
Caldwell. Ten sand 2 Hard rust-colored sand	3
and clay 9 Hard tan sand 3 Loose white sand 3 Hard tan sand 1 Fine white loose sand 7	11 14 17 18 25
Loose rust-colored sind 4 Loose gray sind 9 Dark gray microcous sind - 16 Dark gray shale and sand - 4	29 38 54 58

Nov. 13, 1936.

Caving at 58 feet.

No water sample collected.

Well 112 Gentle valley slope, side of county road, J. W. Porter Survey, 4 miles southwest of Caldwell. Thickness Depth (feet) (fcet) Fine white silty sand - - - 2 Red and yellow sindy micaceous clay - - - - 4 No water sample collected. Cat. 16, 1936: Well 11.6 Ridgetop, Jud Hornsberry tract, west of highway in F. Smith Survey, near southwest limits and 2 mile from center of Childwell. Gray sindy clay - - - - -Yellow clay - - - - - -4 Yellow shalo and white rock - - -- - - - - -5 Red iron rock and clay- - -Yellow and tan clav- -- - 7 13 Soft red iron rock- - - - 1 14 28 Wellow and blue shale - - - 14 Sandy yellow fossiliferous 35 shale - - - - - 7 White and yellow rock with fossils and glauccnite- - 1 36 Shale and soft ferruginous rock - - - - - - - - -37 Black fossiliforous shale with glauconite streaks - 19 Black fossiliferous shale and rock - - - - - - -59 Hard gray rock -- - - -60 Struck rock at 60 feet. No water sample collected. Oct. 14, 1936. Woll 117 Slope, John Bollard tract, F. Smith Survey, at cast limits and I mile from center of Caldwell. Grown sandy clay - - - - -Red chalky iron rock and green clay - - - - - -(holky and sendy green and yellow shale - - - -8 Green shale -- - - - -2 10 Red iron rock- - - - - -11 Blue, green, and yellow shale - - - - - - -21 Blue and yellow fossilifercus shale - - - - -32 11 Rod iron cre gravel- - - -33 Struck water at 32 feet. Water level, 32 feet below top of ground, 6 hours after hole completed. Water sample collected. Oct. 30, 1936.

Well 118	4	Well 124-continued	
Ridgetop, Fuller Cummings tract, 1	P.	Thickness Depth	
Smith Survey, et limits 1 mile eas		(feet) (fest)	ł
Caldwell.		Gray and black shale and	
Thickness	Denth	gypsum 24 49	
(feet)		Tough black glauconitic	
Sendy soil 1	1	and fossilliferous	
Sandy yellow clay3	4.	shale 20 69	
Yellow and blue stratified	-	Hard gray rock 69	
shale and sand 10	14	Struck rock at 69 feet.	
Yellowish-green shale	7.4	No mater sample collected. Dec. 29, 133	36.
small concretions, and		No later barpro correction. Door as, 100	, .
gypsum crystals 8	22	Well 130	
Soft red chalky rock 1	23	Slope, side of county road, J. Reed	
Yellowish-green shale, con-	20	Survey, 6 miles southwest of Caldwall.	
cretions, and gypsum		Fine tan sand 2 2	
crystels 12	35	Sindy red and white clay 2 4	
Shale and soft rock 1	36	White and yellow strutified	
Bluish-black glauconitic	00	clay 6 10	
shele 6	42	Fine loose white send 5 15	
Fard gray fossilli-	*::&	Fine white packed sand and	
ferous rock 1	43	clay 3 18	
Fossilliferous sandy shale 1	44	Fine loose thite and tan	
Rock	44	send 11 29	
Struck rock at 44 feet.	77	Fine whits and yellow	
No water sample collected. Oct. 2	20 1036		
No rater simple confector. Oct.	ا 1	Fine gray quick send 1 39	
Well 119		Struck water at 37 feet.	
Hillside, A. S. Broadas tract, S.		Struck quickend at 39 feet.	
Dickenson Survey, west of highway,	٦	Writer level, 37 feet below top of	
mile southeast of Caldwell.	,	ground, 4 hours after hole completed.	
Sandy red and yellow		We ter sample collector. Oct. 13, 1936.	
clay 4	4	West studied corrected. occ. 10, 1900.	
Gray and tan laminated		Well 131	
shalo and sand 15	19	Slope, side of county road, J. Read	
Chocolate-colored shale		Survey, 6 miles southwest of Caldwell.	
with sulphur-colored		Fine s nd 2 2	
strceks 13	32	Red sendy clay 3 5	
Hard black glauconitic and	0.0	White and yellow strati-	
fossilliferous shale 12	4/2	fied elay 5 10	
Herd black shale and		Struck roce of 10 foet.	
blue sond 3	47	Row ter simple collected. Oct. 13, 1936.	
Hard black glauconitic and		1 10 7 002 5 15 10 002200000. 000. 15, 1550.	•
fossilliferous shale 10	57	Well 132	
Hrrd grey fossilliferous		Slope, side of county rold, J. H.	
rock	57	Bowers Survey, 7 miles southwest of	
Struck rock at 57 feet.		Coldwell.	
No vater sample collected. Dec.	7. 1936.		
110 11.001 0 00.000	,	Fine yellow send and clay 3 10	
Well 124		Fine send with leminations	
Hilltop, M. Broadas tract, S.		of red and yellow clay 10 20	
Dickenson Survey, 1 1/4 mile			
southeast of Chlarell.		41	
Surface sind 1	1 1	11	
Sandy red clay 2	3	1	
Fine dun-colored packed		1.5	
sand 8	11	Caving at 46 fest. No water sample collected. Nov. 16, 1936	ł
Fine gray sand and red and	1	1 140 Maror Bambre Corrected Wor. To, 1830	
yellow clay12	23		
Red and gray clay and			
ycllow silt 2	25		
,	, ~~		

Well 140	70e11 306
Slope, side of county road, E. M. Cox	Valley flat, Lyons Estate, J. Perry
Survey, 93 miles southwest of Caldwell.	Survey, 8 miles northwest of
Thickness Depth	Somorville.
(feet) (feet)	Thickness Depth
Fine tan send 4 4	(feet) (foet)
	Black loam 1 1
Send with red clay	i i
strceks 3 7	Of Colif Care Drover Oaks
Tan sand 4 11	Sendy green and yellow
Rust-colored send 1 12	clay 5 11
White sand 2 14	Mhito sind 1 12
Sandy brown elsy 3 17	Struck water at 11 feet.
White sand 3 20	Water level, 10.2 fest below top of
Brown send 9 29	ground, 6 hours after hole completed.
Fine gray quick send 2 31	Water sample collected. Dec. 16, 1936.
Struck water at 31 feet.	WC.001 B INDED OCEEOOOG . DOC 20, MOOTO
[3	Well 320
Struck quick send at 31 fect. Hole	
caved.	Gentle slope, side of county road,
Water level, 31 feet below top of	4 3/4 mixes nertherst of Somerville.
ground, hours ofter hole completed.	Ten send 1 1
No rater sample collected. Oct. 12, 1936.	Gray white cahy a md and
	streaked red clay 8 9
₩oll 170	Fine white pleked
Hillside, Horman Prieba tract, E.	s-nd 12 21
Sucaringen Survey, 3 1/4 miles south of	Soft yellow sandstone 1 22
- '	Soft white and red sand-
Caldwell.	stone 2 24
Sandy loam 1 1 1	•
Sandy red clay 2 3	Soft white and yellow
Hard sand and red and yellow	san1stona 10 34
clay 7 10	Slety a ristone with
Chocolate-colored shale 8 18	carbonacious spots 6 40
Black shalo 3 21	Struck rock at 40 feet.
Black sandy shale 9 30	No tator sample collected.
Black fossilliforous	Dec. 14, 1936.
srnd3 33	2000 21, 2000
Struck water at 30 feet.	7511 339
! 1	
Water level, 29.5 feet below top of	Slope, George Smith treet, C. H.
ground, 6 hours after hole completed.	Bonnett Survey, 9 miles north of
Water sample collected. Nov. 6, 1936.	Somerville.
ļļ	Simily low 2 2
7ell 181	Thit ashy elay 5 7
Slope, F. Surovik treet, F. Smith	Sindy fishy elegander 3 10
Survey, 3 miles east of Caldwell.	Sinly chocolite-colore:
Sondy locm 1 1	chay and yellor silt 13 23
Red sandy clay 2 3	Sandy chocol te-colored
Red and yellow sandy	clry 9 32
clay 3 6	Blue shalo 2 34
Hard yellow and gray	No inter simple collected.
s nd 10 16	Nov. 5, 1936.
Loose dun-colored sind 5 21	
Hari yellow sand 3 24	
Hard brown send 2 26	
Fine gray sand and clay 20 46	
Hard gray rock 46	
Struck rock of 16 foot	

Struck rock of 46 feet.
No water sample collected. Dec. 17, 1936.

(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, C. R. Stewart, 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 records.)

00 11	miners in capie					,				·	
		Depth	1	Total		Magnes-	Sodium and			1	Total
Well	Owner	of	Date	${ t dissolved}$	Calcium	1	Potassium				
No.	İ	well	of	solids	(Ca)	(Mg)	(Na / K)	(HCO ₃)	(SO ₄)	(C1)	as CaCO ₂
		(feet)	collection (calculated)			(calculated)			(calculated)
2	J.W. Porter	950	Nov.27,1936	227	30	7	46	153	50	19	105
3		Spring	do.	724	180	16	71	415	77	176	515
4	Jackson Griggs	do.	do.	437				268	35	107	
5	Aetna Life Ins.	Co.700	₫ი.	344	8	2	122	207	81	29	31
6	Jackson Griggs	34	₫o.	1,029		-	-	293	116	400	-
7	W.P.A. test well		do.	8,010		-	-	464	1,412	3,600	•••
8	Federal Land Bar	nk 52	Sept.21,1976		-			98	106	335	**
9	Lizzic Porter	-20	do.	2,174	94	99	540	238	303	925	641
10	H. Haines	500	do.	415	7	2	150	244	106	30	27
11	H.K. Hornsbury	50	do.	173	29	11	24	122	a/	49	117
12	Burleson County	Sprine	do.	101	_			24	20	34	44
13	Jim Stubbs	16	Sept.1, 1936	192	31	4	42	165	ੜ./	34	92
14	W.P.A. test well	1 16	do.	97	-	**	-	98	<u>a</u> /	11	-
15	Annie M. Jennin		do.	373	22	16	84	6	142	106	120
16	Cecil Porter	Spring	Dec.15,1936	46		-		18	ತ್ರ/	20	•••
17	do.	do.	Sept.1,1936	30	2	6	1	24	<u>a</u> /	9	31
18	V.J. Sparks	15	do.	82	_	-		49	<u>a</u> /	27	-
19	Giles McDermott	Spring	Dec.15,1936	60	5	1	14	12	24	10	17
20	C.A. McDermott	do.	do.	44			-	31	<u>a</u> /	12	-
23	Fedoral Land Bar	nk 20	Sept.1,1936	362	-	_	-	305	35	40	
24	C.A. Baines	54	Nov.23,1936	587			_	122	51	265	_
25	J.F. Keller	66	Sept.2,1936	1,269	209	62	100	-	723	175	77 8
26	R.M. Moorman	42	do.	353	24	27	71	232	7 9	38	171
27	Jim Woodson	37	do.	1,404	-	•••	-	61	779	160	منعر
28	Ed. Williams Es	t. 62	Oct.21,1936	843	-	**	~	183	335	140	
29	Wm. Havarak	16	Sept.21,1936	2,695	252	139	45 7	31	1,122	710	1,201
30	Mary Teal	24	Nov. 2,1936	1,736	282	1	250	-	953	250	711
31	Joe Gibson		Nov.18,1936	1,554	48	58	421	-	45 7	570	361
32	W.P.A. test well		do.	332		_	-	12	101	102	-
33	Woodson Lumber	Co. 77		944	139	44	78		559	124	527

35 A. 36 Jo 37 Fr 38 D.	Owner L. Lightscy G. Noack De J. Mikeska rank Kubin J. Hanacik an Bowers	Depth of well (feet) 36 38 52 124 315	Date of collection (Sopt.23,1936 Sept.21,1936 do.	571	Calcium (Ca)		Sodium and Potassium (NA / K) (calculated)	bonate (HCO _z)	Sulphate (SO ₄)	Chloride (C1)	Total hardness as CaCO ₃ (calculated)
No. 34 J. 35 A. 36 Jc 37 Fr 38 D.	L. Lightscy G. Noack De J. Mikeska Cank Kubin J. Hanacik Lan Bowers	well (feet) 36 38 52 124	of collection (Sopt.23,1936 Sept.21,1936 do.	solids calculated) 571	(Ca)	(Mg)	(NA + K)	(HCO _z)			as CaCO3
34 J. 35 A. 36 Jc 37 Fr 38 D.	G. Noack De J. Mikeska Pank Kubin J. Hanacik an Bowers	(feet) 36 38 52 124	collection (Sopt.23,1936 Sept.21,1936 do.	calculated)	-		! (NA ≠ K) (calculated)	(HCO ₃)	(so ₄)	(C1)	
35 A. 36 Jo 37 Fr 38 D.	G. Noack De J. Mikeska Pank Kubin J. Hanacik an Bowers	36 38 52 124	Sopt.23,1936 Sept.21,1936 do.	571	-		(calculated)	J	-	1	' so to Irro I so '
35 A. 36 Jo 37 Fr 38 D.	G. Noack De J. Mikeska Pank Kubin J. Hanacik an Bowers	38 52 124	Sept.21,1936 do.						<u> </u>	,	'carentaren'
36 Jo 37 Fr 38 D.	oe J. Mikeska rank Kubin J. Hanacik an Bowers	52 124	do.	447			-	171	110	176	-
37 Fr 38 D.	rank Kubin J. Hanacik an Bowers	124					***	85	28	216	-
38 D.	J. Hanacik an Bowers			697		_		104	244	170	
	an Bowers	315	do.	2 , 728	338	216	226	250	1,500	325	1,734
39 Al			Sept.19,1936		14	9	18	79	<u>a</u> /	32	70
		23	Sept.18,1936		30 1	133	346		988	730	1,397
	hn Mrnustik	37	Sept.19,1936		-	~	wa .	293	63	236	Pro-P
	lan Bowers	15	Sept.18,1936				***	165	154	136	wa.
	ty of Caldwell		Sept.25,1936		4	6	15	43	a/	22	34
43	do.	300	do.	89	7	5	22	67	a/	22	38
	.E. Port∩r	16	Oct. 8,1936	1,442		***		12	768	220	
	P.A. test well		do.	4,205	36 8	136	896	7 9	1,456	1,310	1,479
46	do.	13	do.	3 ,7 46	-	•••	***	6	1,185	1,320	-
		Spring	Oct. 6,1936	51	-	_	-	24	ਭੁ/	20	•••
	to Berndt	45	Nov.13,1936	114	-	***	-	79	20	13	
	P.A. test well		Jan. 6,1936	553	-	-	tuo	37	151	198	-
53	do.	46	Nov.17,1936	1,263	-			12	708	160	-
			Oct.26,1936	109	_		***	92	<u>a</u> /	22	\$-0
	eter Womack	24	Sept.12,1936		-	444		49	<u>a</u> /	40	
	ank Hekalopka	52	Sept.19,1936				-	12	213	396	
57		Spring		110		-	•	61	16	24	***
	becca Price	28	Oct.21,1936	155	2	9	46	110	28	16	40
	enry Jackson	22	Sept.2,1936	82	**	***		37	<u>a/</u>	33	-
		Spring	Jan. 4,1936	34	1-4	•	-	18	<u>a/</u>	1.2	***
	Risse	, do.	do.	74		***		18	24	16	
	F. Dolameter	do.	Oct.21,1936	115	-	•**	\$1-1	79	อ/	32	
64	do.	do.	do.	83	10	-	18	37	16	13	26
	ldwell Fishing	227	do.	194	30	16	24	183	16	18	140
	lub										
66	do.	27	do∙	53	2	9	7	49	<u>a</u> /	11	40
	gar Simpson	9	do.	10 8			_	31	a/	53	_
	I. Perkins	do.	Sept.16,1936		-		ens.	61	<u>a</u> /	29	
70 J.	P. Winkler	17	Sept.11,1936		•	-	4004	31	a/	27	-
71 A.	R. Richardson	58	Sept.2,1936	124		_	w#	43	20	39	40

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

Results are in parts per million.

]	Results are	in parts	per mil	lion.				
		Depth	1	Total		Magnes-	Sodium and	Bicar-			Total
Well	Owner	of	Date	dissolved	Calcium	ium	Potassium		Sulphat e	Chloride	hardness
No.		well	of	solids	(Ca)	(Mg)	$(Na \neq K)$	(HCO ₃)	(SO ₄)	(C1)	as CaCO,
		(feet)	collection	(calculated)			(calculated		Ŧ	•	(calculated)
72	W.P.A. test well	. 22	Sept.2,1936	197	-	-	•••	220	<u>a</u> /	11	P-0
73	do.	11	Aug.31,1936	45	_	-	-	24	a/	16	-
74	Hattie Greer	27	Sept.4,1936	440				24	1 73	112	**
75	L.O. Kornegay	90	do.	246			***	159	<u>a</u> /	74	440
76	Joe Adamek	48	Oct. 1,1936	459	_	_		177	165	51	***
78	L.H. Guick	49	Sept.11,1930	5 522	64	46	74	464	67	43	349
80	Baskin School	40	Sept. 4,1936				***	18	20	10	**
81	S.M. Segler	23	do.	425	76	16	52	153	130	76	255
82	Mrs. F.A. Mauldi	n 29	do.	153	dw.			85	<u>a</u> /	53	**
83	D.H. Hornsby	18	do.	240		-	***	268	<u>a</u> /	13	-
86	C.R. Sprose	21	Nov.15,1936	1,562	_	<u>-</u>	-	7 3	354	640	-
87	J.E. Dyer	31	Sept.3,1936	235	-	-	-	85	79	34	•
88	F.A. Willard	16	₫o.	480	***	-		171	67	157	
89	Webb Price	42	Sept.22,1936	5 570	68	15	111	12	170	200	229 # 585
90	R.C. Ryan	48	Sept. 3,1936	928	234		90	128	236	305	585
91	C.S. Perry	27	Oct. 9,1936	443	~=	-		128	71	152	
92	P.R. Odstricil	35	Sept.3,1936	130	***	***	4-4	12	43	38	-
93	Pete Odstricil	30	Oct. 9,1936	184	**	~		110	39	25	
94	V.D. Floyd	48	Sept. 3,1930	3 234	***	-		79	55	58	**
95	- Johnson	27	Sept.15,1936	266	-		***	281	a/	23	-
97	L.R. Buffington	38	Oct. 9,1936	75	***		***	67	a/	13	-
98	Jos. Janicek	36	Sept.15,1936	97	***	#=	-	61	a/	30	
99	Mrs. A.B. James	30	Oct. 9,1936	357			***	159	79	74	
100	R.S. Bowers	Spring	do.	46	3	4.	10	24	<u>a</u> /	17	22
101	do.	do.	Oct. 8,1936	43	-			24	a./	15	****
102	J.R. Bent	85	Sept.12,1936	183	26	16	20	24	<u>a/</u>	109	130
103	Walter Koehler	Spring	Aug.26,1936	38	-		_	18	a/	15	
105	Ethel Hensloe	39	Sept.12,1936	91	****	-	**	43	<u>a</u> /	36	
106	H.M. McMillan	36	Sept.22,1936			***	# a	18	114	46	wa
107	Vince Urban	25	Nov.16,1936	1,326		***	***	262	541	220	-
108	Mose Pierce S	pring S	ept.22,1936	42	5	4	7	37	a/	8	27
110	Henry Townsend	46	Oct.10,1936	486	**		-	98	<u>a</u> /	260	
111	C.C. Nelm	47	do.	358	18	9	95	37	138	80	80
113	J.C. Windell	92	Sept.25,1936		59	51	80	293	157	90	357
	a/ Sulphate less	than			······································						

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

Results are in parts per million.

				Rosults arc	in parts	per mil	lion.				
		Depth	1	Total		Magnes-	Sodium and	Bicar-	1	l	Tota1
Well	Owner	of	Date	dissolved	Calcium	ium	Potassium	bonatc	Sulphate	Chloride	hardness
No.		well	of	soliās	(Ca)	(Mg)	$(Na \neq K)$	(HCO ₃)	(SO ₄)	(Cl)	as CaCO3
		(feet)	collection	calculated)			(calculated)	. 5.	4.		(calculated)
114	Joe Veiss	20	Oct. 8,1936	282	44	9	52	195	47	34	145
115	G. C. & S. F. RY	. 351	Sept.25,1936	70 -	7	5	14	49	a/	20	38
	Co.										
117	W.P.A. test well	33	Oct.30,1936	3,079	***	-	la la la la la la la la la la la la la l	256	811	1,100	
120	J.R. Simpson	18	Dec. 4,1936	360	-			171	43	102	
121	L.B. Dowell	19	do.	238			-	122	27	64	**************************************
122	A.S. Broadas S	pring	Dec.12,1936	129				55	24	32	-
123	Gordon Shanklen	12	Oct.14,1936	158	***			98	35	18	-
125	C. Cromady	32	Nov. 6,1936	774	_		9-4	159	173	255	-
126	J. Janacek	49	Oct. 1,1936	1,374		***		85	567	320	
127	A.C. Windell	79	do.	892	-		**	268	331	130	
128	John Pivonka	270	do.	1,029	84	97	132	110	347	315	610
129	J.J. Jurcak	58	Oct.13,1936	1,808	•	=40	•	104	433	710	
130	W.P.A. test well	39	do.	160		-	-	98	20	33	\$**
133	J.J. Holik	50	Oct.15,1936	7,536	**	***	•••	85	933	4,060	
134	M.E. Brymer	50	Sept.22,1936	216	35	• 19	24	189	a/	45	167
135	Chas. Adamwate	25	Nov.16,1936	473	-	-	•••	232	74	114	-
136	Sunnyside School	28	do.	320	-	-	••	360	<u>a</u> /	16	-
137	S.C. Blahah	66	do.	1,081			•	384	143	360	
139	John Harrison	29	Oct.12,1936	412	_		**	92	165	66	
141	Henry Mitchell	80	Sept.22,1936	109	7	5	27	61	24	16	38
142	Olivia Parker	55	Oct.12,1936	469	-	_		12	130	176	-
143		pring	do.	4,968	413	265	734	***	1,300	2,070	2,123
144	- Karnes	25	do.	230	-	_	-	159	28	39	-
145	Rufus Coleman	30	do.	5,449		637	••	i Seri	3,542	550	
146	Dick Fisher	21	do.	244	13	11	62	6	39	116	77
147	Frank Krall	33	Oct.15,1936	1,572	~	-	-	55	283	720	
148	John M. Paukrat	59	do.	1,071	191	4	169	85	405	260	492
149	Hugo Doerr	108	Nov.12,1936	2,871	296	146	430	67	1,496	470	1,340
150	Mrs. C. Kocurec	56	do.	2,229		_	-	**	1,110	420	•••
151	Mrs. L.N. Dean	37	do.	949	77	28	181	189	260	196	307
152	H.A. Benn	54	do.	291	28	9	67	85	59	86	105
153	R.O. Flippin	88	do.	866	-	-		299	185	230	***
	Jim Harvey	108	Dec.11,1936	731		*		134	47	355	1970
	o/ Carlmhata logg	4.7	7.0								

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

157 Jo 159 G. 160 Gu 161 Gu 162 Fr 165 164 Ot	Owner to Meir olm Machousky A. Walman as Eberhardt as Brinkman ank Kubelka do. to Kelvig hn Gerdas	Depth of well (feet) 61 . 34 . 22 . 95 . 420 . 150 . 149 . 630	Date of collectiom (Sept.24,1936 Nov. 6,1936 Dec.11,1936 do. Oct.13,1936	3,687 3 419 2,459 276 215 1,481	Calcium (Ca)		(Na / K) (calculated) 724		Sulphate (SO ₄) 1,027 63 1,472	Chloride (C1) 1,420 112 172	as CaCO ₃ (calculated) 1,436
No. 156 Ot 157 Jo 159 G. 160 Gu 161 Gu 162 Fr 163 164 Ot 165 Jo	to Meir olm Machousky A. Walman as Eberhardt as Brinkman ank Kubelka do.	well (feet) 61 . 34 22 95 420 150 149	of collectiom (Sept.24,1936 Nov. 6,1936 Dec.11,1936 do. Oct.13,1936 do.	solids calculated) 3,587 419 2,459 276 215 1,481	426 - - 19 28	(Mg) 90 -	(Na / K) (calculated) 724	(HCO ₃)	(SO ₄) 1,027 63	(C1) 1,420 112	as CaCO ₃ (calculated) 1,436
156 Ot 157 Jo 159 G. 160 Gu 161 Gu 162 Fr 163 164 Ot 165 Jo	lin Machousky A. Walman is Eborhardt is Brinkman rank Kubelka do. ito Holvig	(feet) 61 . 34 22 95 420 150 149	Sept.24,1936 Nov. 6,1936 Dec.11,1936 do. Oct.13,1936 do.	calculated) 3,687 413 2,459 276 215 1,481	426 - - 19 28	90	724 - -	- 189	1,027 63	1,420 112	(calculated) 1,436 -
157 Jo 159 G. 160 Gu 161 Gu 162 Fr 163 164 Ot 165 Jo	lin Machousky A. Walman is Eborhardt is Brinkman rank Kubelka do. ito Holvig	61 . 34 . 22 . 95 . 420 . 150 . 149	Sept.24,1936 Nov. 5,1936 Dec.11,1936 do. Oct.13,1936 do.	3,687 3 419 2,459 276 215 1,481	19 28	The state of the s	724 - -	- 189	1,027 63	112	1,436
157 Jo 159 G. 160 Gu 161 Gu 162 Fr 163 164 Ot 165 Jo	lin Machousky A. Walman is Eborhardt is Brinkman rank Kubelka do. ito Holvig	. 34 22 95 420 150 149	Nov. 6,1936 Dec.11,1936 do. Oct.13,1936 do.	3 419 2,459 276 215 1,481	19 28	The state of the s		189	63	112	***
159 G. 160 Gu 161 Gu 162 Fr 163 164 Ot 165 Jo	A. Walman as Eborhardt as Brinkman ank Kubelka do. ato Holvig	22 95 420 150 149	Nov. 6,1936 Dec.11,1936 do. Oct.13,1936 do.	2,459 276 215 1,481	19 28	ana .					
160 Gu 161 Gu 162 Fr 163 164 Ot 165 Jo	s Eborhardt s Brinkman ank Kubelka do. to Holvig	95 420 150 149	Dec.11,1936 do. Oct.13,1936 do.	276 215 1,481	19 28			128	1 179	779	
161 Gu 162 Fr 163 164 Ot 165 Jo	s Brinkman mank Kubelka do. to Holvig	420 150 149	do. Oct.13,1936 do.	215 1,481	28	11			エッサイル	1.16	
162 Fr 163 164 Ot 165 Jo	rank Kubelka do. to Helvig	150 149	Oct.13,1936	1,481			68	85	58	78	92
163 164 Ot 165 Jo	do. to Holvig	149	do.	Name of Street, or other party of the last	And in column 2 is not a second or s	10	36	85	58	41	111
164 Ot 165 Jo	to Folvig				202	56	227	110	512	430	735
165 Jo		630		1,019	74	40	220	98	409	228	350
	hn Gerdas		Dec.11,1938	919	127	29	141	61	380	212	438
166		135	Oct.13,1953	759	70	41	136	134	264	182	346
	ão.	94	do.	3,865	-	_	-	153	1,515	1,020	•
	D. Aharms	430	do.	227	33	11	38	134	35	44	127
	rtin Hlavaty	277	Oct. 1,1936	353	26	15	76	140	87	60	124
169		18	Nov. 6,1936	4,663	-		-	287	1,937	1,080	-
170 7.	P.A. test well	33	do.	2, <u>4</u> 28	314	112	364	366	868	590	1,244
	A. Mercer	48	do.	5,591	542	408	_	-	3,857	180	3,034
172 Be	thel Rogers	70	do.	1,628	140	49	356 ·	317	661	266	550
173 J.	Hudec	82	Oct.14,1936	1,296	~			85	203	600	***
174 H.	A. Duncan	43	do.	1,352	_		***	67	165	680	
176 0.	Windle	54	do.	1,329	424		-	73	394	455	
177 Je	ss Garrett	30	Sept.24,1936	1,964	345	69	144		1,200	206	1,148
	mpson Grocery (Co.17	Oct.14,1936	469	44	30	77	37	138	162	234
179	do. S	pring	Sept.24,1936		ລ5	11	23	49	24	65	107
180	do.	56	Oct.14,1936	891	94	39	164	299	335	112	394
182 No	va ck & Dubeak	117	Sept,19,1936		24	7	87	226	31	44	9 0
	lter Macat	35	Sept.23,1936			_	-	110	110	210	-
184 W.	F. Newcome	49	Dec.17,1936	1,436	-			49	378	550	
185 Zo	lph Newcomb	95	Nov.13,1936	278	38	15	45	79	35	106	154
186 Ad	∩lph Gold	64	do.	1,652	309	77	197	268	67	870	1,087
187 Gr	ady Ryan	240	do.	284	23	11	73	128	16	98	102
188	do.	92	do.	700	1.10	26	116	165	47	320	381
	witt Calvin	25	do.	1,847	***	***		354	146	480	
190 Jo	hn P. Marek	70	Dec.17,1936	898	-	-		140	442	100	
191 Vi:	nce Hejl	58	do.	2,196	327	74	342	122	533	860	1,122
192 Ja	ck Honderson	79	Nov.17,1936	655	38	16	182	293	197	7 8	160
193 Re	x Plimper	42	do.	640	-	-		256	54	226	

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

Results are in parts per million.

				cesults are							
		Depth		Total		Magnes-	Sodium and	Bicar-			Total
Well	Owner	of	Date	dissolved	Calcium	ium	Potassium	bonate	Sulphate	Chloride	hardness
No.		well	of	solids	(Ca)	(Mg)	$(Na \neq K)$	(HCO3)	(SO ₄)	(C1)	as CaCO3
		(feet)	collection (calculated)	· ·		(calculated)		-		(calculated)
194	F. Marek	1,920	Jan. 8,1936	1,155	7	2	597	1,049	8	325	27
195	do.	1,560	do.	988	1	2	386	683	218	45	12
197	Adolph Marek	115	Sept.23,1936	1,687	116	31	454	220	413	565	419
199	Old Bethlem Scho	001 25	do.	457	_			281	28	120	-
200	W.H. Oliver	800	Nov.20,1936	175	5	2	66	165	<u>a</u> /	21	21
201	do.	940	do.	172	3	2	67	171	a/	16	17
202	Bill Oliver	700	do.	200	1	4	75	159	27	15	17
203	J.M. Fountain	992	Sept.23,1936		7	5	359	586	252	54	38
204	do.	660	do.	233	14	1	83	244	ਬ/	15	41
206	Chas. Campesi	500	Dec.17,1936	200	-	1	80	159	23	18	6
207	Mrs. R.L.D. Knis		do.	399		**		348	35	41	**
208	do.	500	do.	311	-		-	256	27	40	
209	Jas. Carmode	550	do.	1,351	7	12	457	464	591	56	68
210	Webb Howell	800	Nov.20,1936	435		-	-	323	96	22	***
301	Vince Ofclarzak	71	Nov.12,1936	70	_	_		31	<u>a/</u>	29	t
302	John Shoppe	87	do.	659	72	33	129	98	47	330	315
303	F.O. Weichert	107	₫o.	121	_	•••		98	<u>a</u> /	26	•••
305	E.B. Jones	91	Oct.14,1936	614	54	22	138	98	102	250	238
306	W.P.A. test well	1.2	Dec.16,1936	9,710	_	-		586	1,934	4,150	•••
307	C.C. Martin	25	Sept.24,1936	101	20	6	12	98	<u>a/</u>	15	74
308	J.J. Nix	27	Oct.22,1936	931	***	_		183	295	232	-
	Mrs. Lee Woods	140	do.	1,800	60	22	582	140	3 07	760	239
310	Geo. Shelfer	1.20	Sept.24,1936	1,100	174	18	209	220	126	465	511
	Herman Witte	83	do.	5,094	542	23	1,208	323	1,752	1,410	1,449
312		17	Oct.22,1936	4,995		-	-	165	1,732	1,540	-
313	John Parker	37	do.	1,263	~	p4		183	598	170	***
314	F.F. Snyder	77	Jan. 5,1936	1,896				140	374	800	•••
315	Gulf Coast Util-	198	do.	1,730	63	4	599	500	243	5 7 5	172
	ities										
316	G. C. & S. F. Ry	r.Co.82	5 do.	1,684	21	2	643	634	151	555	62
31.7	Bob Brantley	10		568	-	**		146	157	144	
321	J.H. Baker	Spring	Dec.16,1936	64	-		-	24	20	10	
323	Burleson County	do.	Dec.21,1936	256	5	4	94	55	16	1.10	27
	J.C. Patrick	do.	do.	285	34	9	59	37	39	126	120
	- / Class - 1 - 1 - 3	41	10								

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

				nesults are .					·		
		Depth		Total		Magnes-	Sodium and			İ	Total
Well	Owner	of	Date	dissolved	Calcium	,	Potassium		Sulphat e	Chloride	hardness
No.		well	of	solids	(Ca)	(Mg)	$ (Na \neq K) $	(HCO_3)	(SO ₄)	(C1)	as CaCO ₃
		(feet)	collection	(calculated)			(calculated)	·]	(calculated)
325	Town of Clay	24	Dec.21,1936	153	_	-	_	43	8	68	-
326	G. C. & S. F.	Ry.Co	do.	1,235			-	702	8	415	-
327	Robert Kemp	25	do.	1,317	73	51	359	756	2 7 0	192	392
330	Farmers Nat'l.	Bank 20	do.	399		••	Engl.	293	58	49	\$a
331	F.J. Foyt	1,032	Dec.14,1936		26	4	1,602	1,342	8	1,740	80
332	H.P. Drought	16	do.	201	46	15	4	7 9	54	43	174
333	G. Hinton	35	do.	921	-			305	326	134	-
334	Joe Baker	54	do.	1,163			a-m	134	390	320	· · · ·
336	J. Bravak	38	Dec.21,1936		121	13	246	220	403	208	358
337	John Gunek	31	Dec. 5,1936		_	-	_	317	110	295	
338	A. V. Wincher	102	do.	2,617	307	44	553	214	1,063	545	847
340	Mrs. J.H. Koza		do.	165	_		-	177	a/	13	-
	R.R. & J.C. Wi	ncher 73	do.	508	100	16	64	49	39	265	31.5
342	Frank Orsaj	32	do.	394				348	a/	70	-
343	Frank J. Fojt	1,267	Nov.17,1936		6	**	633	1,440	<u>a</u> /	150	15
344	do.	1,620	Nov. 5,1936	347	_			262	5 1	38	-
346	Martin Scarbor	ough 30	Nov.17,1936					348	128	380	
347	Holley Wilson	74	Dec.17,1936	222		***	_	73	27	79	***
348	J.F. Elsik	890	Nov.17,1936	234	5	1	86	171	42	16	16
349	B.H. Dewey	980	Nov.20,1936		1	2	125	244	35	33	12
350	do.	750	do.	1,354	12	-	523	647	181	320	30
351	do.	750	do.	1,318	11	2	50 7	659	189	285	36

