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STATE BOARD OF WATER ENGINEERS C. S. Clark, Chairman A. H. Dunlap, Member J.W. Pritchett, Member

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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

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

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Austin, Texas August 25, 1937.

BUTLESON COUNTY, TEXAS

* * *

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," sponsored by the State Board" of Water Engineers. The Division of Ground Water of the U.S. Geological Survey cooperated in the technical direction of the project and the Bureau of Industrial Chemistry of The University of Texas furnished laboratory space and equipment and supervised the chemical analyses.

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

The field work in 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, Texes. 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 V. 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 drillor in charge of the party. The project superintendent studied these samples and compiled the logs. -3-

Records of wells and springs in Burleson County, Texas

	1	}	led unless otherwi			1	1	Hei	ght c
ю.	Distance	Survey	0 7 mer	Topo-	Date	Depth	Diam-	•	suri
	from			graphic		-	leter		oint
	Caldwell			situa-	ple-	1	of		bove
				tion	ted	(ft.)	well	1	ound
				01011	usu	(200)	(in.)		t.) <u>s</u>
/ 1	14 miles	H. E. Davis	J. P. Sparks Est.	Gentle	1930	900		<u> </u>	
•	north		-	slope					
2	do.	do.	J. W. Porter	do.	1931	950	10		1000 vv
3	14 miles	do.	do.	Orcek		Spring	<u> </u>		
	north	- Fa	Toleson Antone	bank		do.	1	ļ	
4		do.	Jackson Griggs	do.					
5	14 miles	J. C. Robertson	Aetna Life	Gentlo	1910	700	4	[
	northeast		Ins. Co.	slope				L	
6	14 miles north	H. E. Davis	Jackson Griggs	do.	1920	34	30		3
8	13 miles north	J. C. Robertson	Federal Land Bank	do.		52	30		2
0	13 miles	dc.	Lizzic Porter	Flat		40	10	╄	3
9	northeast	ue.	LIZZIC PORter	ETC0		4()	TO		J
10	125 miles	John Toal	H. Heincs	Gontlo		500	3	+	
	northeast			slope			ł		
11	lly miles northeast	do.	F. K. Hornsbury	ão.	1932	50	6	د	1
12	11 miles	do.	Burleson County	Sand		Sprin	? ~~		
	northeast			bank			1		
13	13 milos	C. M. Mathews	Jim Stubbs	Gentle	1935	16	37	17.0	0.5
	north			slopc					
15	12 milus	I. Maiden	Annic M.	Small	1875	58	30	1.5	3
	north		Jennings	knoll.] = -	1	
16		C. Mathevs	Jacil Porter	Draw		Spring	2	J]	
							ĺ		
17	11 miles	do.	do.	âo.		do.		-	
	north		an a sa a					<u> </u>	
18	do.	J. A. Sorrell	V. J; Sparks		1917	15	30	-	2
10	ll miles		Ciles McDernott	top		Cnri-	<u>[</u>	<u> </u>	
ТА	ll miles north		OITCE NODCENOLT	Drav		Spring	3		49 m.
20	10 ¹ / ₂ miles		C. A. McDermott	do.		do.	1	-	
	north								
23	10 miles	C. M. Mathear	Freeral Land	Small		20	36	+	3
20	north		Benk	ridgo		20	1		0
24	9 milos	H. Covington	C. A. Beines	dɔ.		54	30		3
	north					- *			
25	10 milus	J. McCunc	J. F. Keller	Gentle	1930	66	30	+ 1	3
	north			slop		-		Ì	

b/ A, air lift; B, buck t; C, cylinder; Cf, contrifugel; T, turbine; D, diesel engine;
 E, electric; G, gasolino ensine; H, hend; W, windmill; number indicates horsepower.

-4-

Records obtained by ". I. Clar':, Jr., Project Superintendent

(Chemical analyses	of water from	1 these wells	and springs	are in	the tablc	of analyses.)

<u> </u>		r Level	1	1	on these verils and springs are in the table of analyses
No		Date of	Dumo	Use	Romarks
1/0 •				of	Notical LS
		maasure-		1	
	mea s u:		- ,	Water	
	ing p		<u>b/</u>	<u>c/</u>	
	(feet)			
1			None	N	Oil test. 84 fect 2-inch casing at top. See log.
		35 05	27.		
2	⊮ lows	Nov. 27,	None	D,S	10-inch stud easing, 0-50 foot. Tenant reported wa-
		1936			ter in fine gray sand and never fails in drought.
					2-inch pipe plugged into easing at top. Drilled by Joe
3	do.	do.	Nono	S	Estimated flow, 2 gallons a minute from 2 open- Marks.
					ings in gray silty sand.
4	do.	de.	Nono	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.
					Estimated flow, 2 gallons a minute.
6	35.5	Nov. 27,	B,H	D	Dug well. Vitrified tile curb; tile casing, top to
Ĩ		1936	,	-	bottom. Owner reported never fails in drought.
8	50 3	Sept.21,	B,H	D	Dug vell. Brick curb; brick casing. top to bottom.
0	00.0	1936	1,	ע	
- 9	41.3		דד ת	Da	Tennat reported water in gravel. Weak supply.
Э	41.0	do.	В,Н	D,S	45 feet 10-inch galvanized iron curb and casing. Ten-
					ant reported water in red gravelly send. Reported
					weak supply but never fails in drought.
10	Flogs	do.	None	D,S	500 feet steel casing; screen at bottom. Estimated
					flow, 1 gellon a minute. Tenant reported never fails.
11	40	<u>c/</u>	C,H	D,S	50 feet 6-inch galvenized iron curb and casing. Esti-
					mated yield, 1 gallon a minute. Neighbor reported nev-
12	Flows	Sept.21,	None	D,S	Estimated flow, 2 gellons a minute from er fails.
		1936			white sand. Reported never fails in drought. Known
13	13.0	Sept. 1,	B,H	D.S	Dug well. Brick curb; brick locally as Tipton Spring.
		1936	,		cosing, top to bottom. Neighbor reported vater in find
				1	tan send and never frils in drought.
15	18.8	do.	B,H	D,S	Dug well. Wood curb; rock casing. Neighbor reported
- 0	70.0			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	weter in sandstone and never fails in drought.
16	TTOTO	Dec. 15,	None	S	Estimated flow, 10 gallons a minute from numerous open-
-10		1936 19,	MOILE		inca in brown good weined with lignite
17		Sept. 1,	Mone	D,S	ings in brown sand, veined with lignite.
17	το.		NOLTE	<i>D</i> ,5	Improved with 1 joint of tile. Strong supply.
-10	10 5	1936		D G	
18	10.5	do.	В,Н	D,S	Dug well. Wood curb; 17 fect brick casing. Owner re-
					ported water in fine yellow sand and never fails in
19	Flows	Dec. 15,	None	S	Estimated flow, 2 gallons a minute from sev- drought.
		1936			eral openings in mottled light-brown sand. Stronger
				L	flow reported in rainy weather.
20	do.	ão.	None	S	Reported uniform flow, E gallons a minute from numer-
l	ļ				ous openings in white sand. Improved with vitrified
					tile. Reported never fails in drought. Known locally
23	19.5	Sept. 1,	B,H	D,S	Dug well, 0-20 feet; wood curb and as Mansa Spring
		1936	-	-	casing. Bored well at bottom. Tonant reported water
		1			ir sand at 20 feet and from bored hole. Bails dry after
			1		2 barrels. Reported never fails in drought.
24	49 0	Nov. 2,	B,H	D,S	Dug vell. Concrete curb; concrete casing, top to bot-
~+		1936	±دو بد	12,0	ton. Exighbor reported water in fine sand and never
25			B,H		
25	C0.7	Sept. 2,	D,n		Dug well. Wood čurb; stone casing, fails in drought.
	1	1936			top to bottom. Owner reported water in soapstone and
	i	1			
				<u> </u>	sandy shale and never fails in drought. Ind, industrial; P, public; S, stoch; N, not used.

 $\frac{\overline{a}}{c}$ No water sample collected for analysis. \overline{c} Water level reported.

-5-Records of wells and springs in Burleson County--Continued

	Ree	cords of wells and	d springs in Burlo	e so n Coun	tyCo	on tin 16	ed	
No.	Distance	Survey	Owner	Topo- graphic situa- tion	com-	Depth of well (ft.)	eter of	Height of measuring point above ground (ft.) <u>a</u> /
26	9 miles north	J. McCune	R. M. Moorman	Gentle slope	1933	42	30	3
27	8 miles north	J. Hughes	Jim Toodson	đo.	1935	37	30	2
28	do.		Ed. 7illians Estate	Kno ll top	1934	62	36	2
29	8 miles northeast	W. 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		Sprine		
33	6] miles northeast	R. V. Scott	Voodson Lumber Co.	Gentle slope	1925	77	8	2
34	8 miles northeast	F. Niebling	J. I. Lightsey	Ridge top	1912	36	30	2
35	6½ miles northeast	A. Kuykendall	A. G Noack	Knoll top		38	36	2
36	5] miles northeast	J. Reed	Jo. J. Mikeska	Ridge top	1929	52	30	3
37	4 miles northeast	do.	Frank Kubin	đo.	1913	124	10	1
38	2 ³ / ₄ miles north∈est	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
	2 <u>1</u> miles north	do.	John Mrnustik	Ridge top		37	30	3
	$1\frac{3}{4}$ miles north	do.	Alan Bowers	Creek valley		15	36	1
42	$\frac{1}{4}$ nile northeast	F. Smith	City of Caldwell	Vallev flet	1935	160	10	
43	do.	do.	E.E.	do.		300	10	
	≩ mile north	Francisco Ruiz	J. E. Porter	Creek yalley		16	30	3
	l <u>a</u> miles north	F. Smith	Jce Souruick	do.	au 0	Spring		

				-6-	
₩.	I.	Clark,	Jr.,	Project	Superintendent

					-6-
	To de au	r Level	<u> </u>	<u> </u>	ark, Jr., Project Superintendent
No		Date of	D1. 22	Use	Benowly
10.		messure-		of of	Remarks
	mensu	۲ I	pover	1	
	ing p	1	<u>n/</u>	<u>c/</u>	
	(feet				
26	33.0	Sept. 2,	P,H	D,S	Dig well. Wood curb; brick casing,0-6 fost; rock cas-
		1956			ing, 6-45 feet. Owner reported water in green sand and
07	19.3	áo.			in yeller sandy cley; nover fails in drought.
۲ ک	19.0	ω.	B,H	S	Dug well. Concrete curb; concrete casing, top to bot- tom. Tenant report d water in white sand; new r
28	40.6	Oct.21,	B,H	S	Due 'ell. Tood curb; whod casing, fails in drought.
		1936	~,		top to bettom. Terant reported water in fine gray
					stnd; never fails in drought. Reported strong sup-
29	14.4	Sept.21,	В,Н	S	Dug well. Wood curb; brick casing, top to bot- ply.
		1936			tom. Other reported set r in white sendy grevel and
30	16.2	Nov. 2,	В,Н	S	Vitrifica tile curb; tile nev-r feile in drought.
		1936			casing, top to botton. Finant reported retar in dark grean sund; nov.r fails in drought.
31	Flours	Nov. 18,	Mone	S	Estimated flow, 30 gallons a minute from numerous
01	27000	1936	1(0)10		oponings in sandstone and iron ore gravel. Reported
					stronger flow in rainy weather. Known locally as
33	71.2	Nov. 2,	B,H	S	Vitrified tile curb; tile casing, top Pettis Spring.
		1936			to bottom. Tenant reported wat r in blue shele and
		0.1.27			red grevel and nev r fails in drought.
34	23	Sept.23, 1936	0,V	D,S	Due well. Vitrified tile curb; tile cesing top to
		1900			bottom. Owner reported withr in find tan sond; natur fails in drought. Reported slight drawdown by
35	21.0	Sept.21,	B,H	D.S	Dug well. Wood curb; rock crsing, top to vindmill.
2.0		1936	~,	-,-	bottom. Ormer reported where in blue and feiled
36	32.2	do.	B,H	D,S	Dug well. Wood carb; tile casing, fince in 20 years.
					tor to bottom. Other reported tter in blue sond and
	50				never feils in drought.
37	30	<u>è/</u>	0,72	D,S	Tile curb; tile cusing, top to bottom. Other reported that in blue quicksand and never fails in drought.
					Reported slight drivdown by windmill.
38	30.0	Sept.19,	C, 1	D,S	Gordrete curb; 315 fort sterl chaine, with scroth at
		1.936	, , ,		bottom. Tenent reported weter in send and never fails
39	16.2	Sept.18,	B,H	⊃,s	Dug will. Brick curb; brick casing tor in drought.
		1936			to bottem. Water reported in block sand and never
40	24.5	Sept.19,	В,Н	S	Dug well. Brick curb; brick casing, fils in drought.
41	8.6	1936 Sept.18,	В,Н	D,S	top to bottom. Owner reported water in sund and never Dig well. Brick curb; brick casing fails in drought.
47	0.0	1936	D,11	0,0	top to bot+om. Tenant reported water in sand and nev-
42	Flows	Sept.25,	Τ,Ε,	P, Ind	Steel casing, 0-122 feet. Esti- er fails in drought.
-		1936	71		mated flow, 40 gellons a minute, 5 feet above ground.
					Reported 14 feet drawdown pumping 200 gallons a min-
]	ute. Attendant reported water in fine gray send and
	a -	2			rever fails in drought. Temperature 73°F. Drilled by
43	do.	do.	T,E,-	Р	Steel casing, top to bettem. Estimated Louis Kiel. flow, 40 gallons a minute, 5 feat above ground. Re-
	1	1			ported yield 200 gallons a minute when purpleg. Atten-
	1				dant reported water in fire gray sand and never fails
					is drought. Tomperature, 73°F. Drilled by L. Kiel.
44	13.5	Oct. 8,	B,H	S	Due well. Wood curb; brick casing, top to bottom.
		1936			Neighbor reported 75 tor in iron ore gravel and bails
A 171		loot C	Mana	<u>11</u>	dry; nover frils in drought.
47	LTOAR	Oct. 6, 1936	Nonc	τV	Wood curb. Estimated flow, 3 gallons a minute from 3 optrings in whit, sand. Known locally as Evans
	ł	1000			Spring.
	L	<u> </u>	L	ļ	jer z ale da kap 🕴 👘 🥵 za

		Notice of Wotte off	o phillip ill Dulle	JOUL VOUL	<u>y ()</u>	onothu	su	
No.	Distance from Jaldwell	Survey	Owner	Topo- graphic situa-	com- ple-	of well	eter of	Height of measuring point above
				tion	ted	(ft.)		ground
							(in.)	(ft.) <u>a</u> /
48	$1\frac{1}{4}$ miles	Francisco Ruiz	Utto Berndt	Hill-	1936	45	8	1
	northwest			top				
54	25 miles	do.	R. Struwe			Spring		
	northwest							
55	3^1_{4} miles		Peter Womack	Gentle		24	30	0
	northwest			slope				
56	$2\frac{3}{5}$ miles	Francisco Ruiz	Frank Heka-	do.	1933	32	8	1
50	north	2 -	lopka		ļ			<u> </u>
57	$3\frac{1}{4}$ miles	do.	do.	Drav		Spring		
F 0	north	TT T Daba	D have Dut					
58	4 miles	H. J. Dobie	R becca Price	Knoll		ଅନ	30	r 2
	north $3^{\frac{1}{2}}$ miles	T. T. Moudae	TT	top	1085			
60		J. W. Marion	Henry Jackson	Valley	1935	22	30	5
61	north	do.	T T are use	flat	ļ	Con da a	·	
οı	5 miles north	ao.	J. Lonzo	Dray		Spring 		
62	53 milcs		B. Risse	Sand-		do.		
	north			hil1				
63	5 miles	J. W. Marion	D. F. Delameter	Draw		do.		
	north							
64	do.		do.	do.		do.		
					1.0.51	0.00		
65	5] miles north	Mary Carnaghan	Caldwell Fish- ing Club	Valley	1924	227	ຂ	
66	do.	do.	đo.	Hilltop		27	30	3
6 7	6½ miles	do.	Edgar Simpson	Ridge	1934	9	30	3 3
	north			top		-		
68	7 miles	A. Thompson	G. I. Perkins	Draw		Spring		
	northwest	-				~r+++6		
70	8 miles	do.	J. P. Winkler	Gentle	1917	17	30	1
	northwest			slope				
71	9 miles	d٥.	A. R. Richardson	do.	1926	58	10	1
	northwest							
74	71 miles	D. Clanton	Hattie Greer	do.		27	30	3
14	northwest	D* OTOTION	THURSTE GIGOT	uv.		~ ·		0
75	7 miles	Jose M. Sanches	L. U. Kornegay	do.	1910	90	10	1 1
10	northwest	CODO M. BUILONOD	L. J. INTHOGAY					· ·
	CI miler	A Thomas	Joe Adamck	de.	ļ	48	30	L
76	6 <mark>북</mark> milcs	A. Thompson	JOE AUBIICK	ue.		40	50	· 1
	northrest						, 	
	1			do.	1007	1,700		
00	6 m = 7	To an If Comphan		(1))	1 1 1 1 1 1 1	1 1 . 7984		م ر مرد (
77	6 miles	Jose M. Sanches	Speckman	uo.	1	_,	1	
	northwest				1			
77	1	Jose M. Sanches do.	Speckman L. H. Guick	Slope		49	36	0

-7-Records of wells and springs in Burleson County--Continued

-8-". I. Clork, Jr., Project Superintendent

			······	<u>ــز، .ا.</u>	rrk, Jr., Project Superintendent
		: Level			
No.		Date of		Use	Remarks
	1 1	measure-		of	
	mensui		power		
	ing po	vint	b/	<u>c/</u>	
	(feet)				
48	30.5	Nov. 13,	B,H	D	Vitrified tile curb; tile e sin; top to bottom. Ormer
		1936			reported water in fine tan send and never feils in
54	Flows	0ct. 26,	Nonc		Located east of rold. drought.
		1936			
55	22.1	Sept.12.	E,H	D	Dug -cll. Brick curb; brick casing, top to bottom.
		1936	- ,	-	Tenant reported water in fine white sind and neverfails
56	12.5	Sept.19,	B,H	D,S	Tile curb; tile casing, top to bottom. in drought.
00		1936	,	2,0	Owner reported water in Cark gray sand and never fails
57	Flows		Mone	S	Strong flow from numerous openings in yel- in drought.
07	L TO MP	u u.	Tione	U	low shaly sand.
58	26 4	0a+ 21	TT TT	na	
90	40•4	Oct.21, 1936	В,Н	D,S	Dug well. Vitrified tile curb; tile casing, top to
	17.0		D 77	The off	bottom. Terant reported water in fine sand and never
60	17.8	Sept. 2,	B,H	D,S	Dug well. Wood curb; brick casing, fails in drought.
		1936			top to bottom. Owner reported water in white sandstone
61		Jan. 4,	None	S	Reported uniform flow of and never fails in drought.
		1937			2 gellons a minut: from opening in hard, fine, brown-
					ish-thit. sand. Known locally as Denton Valley Spring.
			L		Numerous springs in this locality.
62	do.	do.	Nonc	S	Estimated flow, 1 gallon a minute from several openings
			} 		in fine white send. Stronger flow reported in rainy
63	do.	Cet. 21,	Non	Ś	Estimated flow, 15 gallons a minute from seasons.
		1936	1		numerous openings in thits send. Reported heavier flow.
64	đo.	do.	None	S	Estimated flow, 30 gallons a minute in rainy seasons.
			1		from numerous openings is sand. Reported heavier flow
65	do.	do.	lione	D,S	40 feet 2-inch iron casing. Estima- in rainy seasons.
	1				ted flow, 2 gallons a minute. Neighbor reported water
					in fine blue sand; never fails in drought. Tempera-
66	20.4	do.	B,H	D,S	Dug well. Vitrified tild curb; tile cas- ture, 73°F.
			- ,	_ , _	ing, top to bottom. Neighbor reported water in fine
			• •		sand. Reported bails down but never fails in drought.
67	10.9	do.	E,H	D	Dug vell. Concrete curb; concrete casing, top to bot-
0] -,	-	tom. Tonant reported rater in fine gray sand and fails
68	FLOTS	Sept.16,	None	S	Estimated flow, 3 gallons a minute from) in drought.
00	1	1936	INOID .		several openings in light send.
70		Sept.11,	B,H	D,S	Dug vell. Til_ curb; tile casing, top to bottom. Ten-
70	10.0	1936	10,11	2,0	ant reported vator in fine gray guicksand and nevor
		1230			foils in drought. Slight dra-down when beiled.
	EC 0	Ocent D	D TT	D G	Til curb and 58 foot til casing. Owner reported va-
71	50.4	Sept. 2,	D,11	D,S	tor in yellow quicks and and never fails in drought.
		1926			
		Cont 6	1 D TT	- <u>-</u>	Reported dry after bailing 2 barrals but refills quick-
74	26.0	Sept. 4,	B,H	D	Dur well. Wood curb; brick casing, top to bottom. 1y.
		1936		<u> </u>	Omer reported strong supply in white sand and never
75	45.0	do.	0,7	D	Vitrified tile curb; 90 foot 10-inch fails in drought.
				ł	steel easing, perforated at bottom. Other reported
	1		1		strong supply from fine thite send and never fails in
76	20	<u>e/</u>	0,1	D,S	Dug rell. Brick curb; concrete and brick drought.
	l]	casing, top to bottom. Tenant reported water in fine
				L	sand and never fails in drought.
77			None	N	Oil test. Neighbor reported water encountered in sands
				!	for several hundred feet. Drilled byGilley.
78	23.7	Sept.11,	B,H	D,S	Dug well. Brick curb; brick casing, top to bottom.
		1936	1		Tenant reported strong supply from fine green quick-
				ł	sand and nover fails in drought. Snall springs and
		1			several similar wells nearby.
	f			i	

Records of wells and springs in Burleson County -- Continued

_							1	Height of
No.	Distance	Survey	Owner	Topo-		Depth	4	
	from		6 1 1	graphic		of	eter	point
	Caldzell			situa-	ple-	well	of	above
				tion	teà	(ft.)	well	ground
			رو رود به محمود بر برسانی زبان				(ir.)	(ft.) <u>a</u>
80	9 miles	H. H. Goff	Baskin School	Sand		40	10	
	northwest			flat				
81	do.	J. C. Meek	S. M. Segler		1934	23	30	2
		and the standard and the second s		valley			L	L
82	ll miles	J. Shaw	Mrs. F. A.	<u> Yroll</u>	1916	29		2
	northwest	and the second state of th	Mauldin	top				
83	11; miles	H. Martin	D. H. Hornsby	Ridge	1924	18	30	2
	northwest			top				
i/ 84	12 miles	E. Sante	Rudhank Oil	do.	1936			
,	7est	-	<u>Co.</u>		ļ			
1/ 85	ll miles	7. C. Pierce	Q. V. Crain	Guntle	1935	6,337		
	vest			<u>slop</u> e				
86	14 milus	J. C. Walker	C. R. Sprose	do.	1919	21	30	2
	west					L	- <u></u>	
87	12] miles west	do.	J. E. Dyer	do.	1933	31	30	3
88	105 miles	A. Smith	F. A. Willard	do.	1935	16	30	3
	west							
89	8 1 miles	E. Hill	Vebb Price	do.	1916	42	30	3
	west							
90	do.	S. C. Robertson	k. C. Ryan	Gentle		48	30	0
				slope				
91	75 miles	do.	C. S. Perry	do.		27	8	3
	vest							
92	dr.	đo.	P. R. Odstricil	Knoll		35	30	2
				top				
07		do.	Pete Odstricil	Gentle		30	30	+
93	do.	uo.	Fere Oustricht			30	0.0	2
	1.	50	V. D. Floyd	slope Small	1920	48	30	<u> </u>
94	do.	. co.	V. D. FLOYd		1920	40	100	1
05		00.	Johnson	ridge Gentle		27	36	3
90	7 miles west	u0.	Jonneon	slope		<i>ω</i> (100	3
07	1	do.	L. R. Buffington	do.	+	38	30	3
97	75 miles west	ά0.	L. A. DULLINGION	u0.		00		
98	7 miles	do.	Jos. Janicsk	do.		36	36	3
	northwest							
99	5 miles	Jose M. Sanches	Mrs. A. B. James	Ridge	1911	30	8	5
	north-est							
100	45 miles	J. B. McKeen	R. S. Bowers	Draw	+	<u> </u> Spring		
100	northwest	J. D. Moneon		101/17/		:		
	HOT MARE						1	
101		do.	đo.	do.	<u> </u>	do.	+	+
101	do.	u0.	u0.	uu.	1	u0.		
				1]	1		
				ł	ł			4
	,	1		,	1	1	i	1

b/ A, air lift; B, buck t; O, cylinder; Cf, contrifugal; T, turbine; D, diosel engine; E, electric; G, gasoline engine; H, hand; W, windmill; number indicates horsepower.

				-10-	
77.	I.	Clark,	Jr.,	Project	Superintendent

			• ['	1. U1:	ara, Jr., Project Superintendent
		Level			
No.	Desth	Date of	Pump	Uзе	Remarks
	below	measure-	and	of	
	measui			water	
	ing po		<u>b</u> /	<u>c/</u>	
			<u> </u>	<u> </u>	
	(feet)				
80			C,H	D	Concrete block curb . Screen at botton. Reported
					strong supply from white sand; rever fails in drought.
61	19.8	Sept. 4,	B,H	S	IPu, toll. Concrete curb; concrete casing, top to bot-
		1936			tom. Comer reported water in fine white sand and nev-
82	25.2	do.	в,я	ົ,ຬ	Dur 11. Concret. curt. Owner or fails in drought.
02	60•A	uU•	التواط		
					reported rator in fine white send and never fails in
83	9.3	do.	E,म	D,S	Dug well. Concrete curb; concrete casing, drought.
	ļ				top to bottom. Owner reported water in red sand and
					gravel and never fails is drought.
84					Oil test. Depth, Sept. 4, 1988, 4,800 feet. Not com-
01					plated. Drillad by Goffield and Laniag.
					
85					0il Test. 200 feet 152-inch casing; 2,735 feet 103-
					inch essine. See log.
86	13.3	Oct. 15,	B,H	D,S	Dug 7.11. Nood curb; rood casing, top to bottom. Owner
		1936			roported tater in fine thits sand and bails dry but
87	30.1	Sept. 3,		D.S	Dag well. Wood curb; concrete never fails in drought.
0.7		1936			casing. Tonant recorted ator in fine send and wver
88	1260	1	E.H	D,S	
00	16.0	do.	≞,п		Dug -ell. Concrete curb; concrete fails in drought.
					casing, top to bettom. Unter reported water in fine
				i I	white send and never fails in drought.
89	32	Scpt.22,	E,H	D,S	Dug well. Wood curb; 16 feet brick casing at top.
		1936			O mor reported strong supply from shell rock, 40-52
90	32.6	Scot. 3,	B,H	D,S	Dug well. Brick curb; brick casing, top to foot.
50	02.0	1936	10,11	2,0	bottom. Owner reported rater in sand and never fails
	00.7		T) TT		
91	22.1	Oct. 9,	В,Н	D,S	Vitrified tile curb; tile casin, top to in drought.
-		1936			bottom. Tenant reported water in find sand end never
92	30.5	Sept. 3,	B,H	D	Dug mell. Brick and concrete curb; fails in drought.
		1936			brick casing, top to bottom. Owner reported water in
					yelley sand and never fails in drought.
93	23 A	Oct. 9,	C, · I	n g	Dug tell. Brick curb; brick casing, top to bottom.
50			0,1		
		1936			Our er reported strong supply from white sand.
94	1	Sept. 3,	В,Н	⊃,s	Dug mull. Brick curb; brick casing, top to bottom.
		1936.			O mor reported vater in fine white sand and never fails
95	15.7	Sept.15,	B,H	D,S	Dug vell. "ood curb; 8 feet rock casing in drought.
		1936		İ	at top. Tenent reported at r in send and never fails
97	1	0es. 9,	B,H	D,S	Dug tell. Concrete curb; brick cosing, i in drought.
	1	1936	, ~, , , ,		top to bottom. Ornor reported tatr in fin. tan sand
		1900	1		,
			 		and never fails in drought.
98	,	Sept.15,	B,H	D,S	Dug will. Brick carb; 8 fect brick casing at top.
	1	1936	1		Open bottom. Mater reported in fine shife sand and
99	11.4	Oct. 9,	B,H	D,S	Vitrifi d til. curb; til ers- never feils in drought.
- •		1936			ing, top to bottom. Tenert reported wat r in fine tan
		1-0-0	1	ļ	quicksand and never fails in drought.
300			27.0		
100	Flows	do.	No.1 ,	Э , S	Estimated flot, 15 gollons minut from numerous open-
		1	i	ĺ	ings in fine ton send. Improved with 1 joint 30-inch
		1			vitrified tile. Reported stronger flow in rainy weath-
101	do.	áo.	Don.		Estirut d flot, 20 gallons a minut from numerous for.
			Į		openings in thit, send. Supplies stimming pool. Re-
	1			i i	perted stronger flow in rainy wether. Known locally
			i	l	• • •
	د ا مع د میں م	i 		Ĺ	129 Sprin, Lake Spring.
- C7 E	. aom.	SUIC: 1.	arrig	avion:	Ind, inaustrial; P, public; S, stock; N, not used.

c/ D, domistic; I, irrigation; Ind, industrial; P, public; S, stock; N, not used. d/ No onter sample collected for arriysis. c/ Mater level reported.

•

Height of Distance No. Survey 0wner Торо-Date Depth Diammeasuring from graphic compoint of eter Caldwell well sitvapleof above tion ground ted (ft.) well (in.) (ft.) a/ 102 44 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 1 **__**__ west slope 106 9 miles H. M. LicMillan E. Hill Gentle 1936 36 36 2 slope west 8 miles C. B. Erath Vince Urban 25 30 107 do. Õ ----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 1114_4^3 miles Hilltop 47 30 do. --southwest 113 1³/₄ miles E. Swearingen J. C. Windell Gentle 1933 92 8 1 southrest slope Joe Veiss 1935 20 8 114 11 miles S. Dickonson Valloy 2 southwest G. C. & S. F. Ry 115 In Calddo. Centle 1936 351 5 1 well slopc J. R. Simpson 1935 18 30 120 1 mile do. Ridge 1 ... southcast 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 Sharklen 12 30 123 2 miles do. ---4 southeast top 125 15 milus C. Cromadv Creek 1926 32 36 do. 1 south valley 30 J. Janacek Gentle 49 126 2³ miles E. Stearingon ---3 slope south 127 34 miles A. C. Windell 1933 79 8 do. do. 1 southvcst John Pivonka 1922 270 128 4층 miles D. Clark Ridge 4 0 southwest top J. J. Jurcak Gentlo 1915 58 8 129 61 miles J. Read 0 southwest slopc

-11-Records of wells and springs in Burleson County--Continued

		-12-		
			Superintendent	

			·/•	1. 11	ere, Jr., Project Superintendent
		Lovel	-		
No.	-	Date of			Remarks
	below	meature-		of	
	measur		power		
	ing po	oint	<u>b/</u>	<u>c</u> /	
	(foct)				
102	55.0	Sept.12,	B,H	D,S	Dry well. Brick curb; brick casing, top to bottom.
		1956	1		Tenant reported water in fine white sand and nover
103	Flows	Aug. 26,	None	S	Reported uniform flow of 50 gallons fails in drought.
		1936		1	a miruta from numerous openings in white sand.
105		Supt.12,	C, H	D,S	Dug : .11. Brick curb; 39 fact brick casing. Ounor
200	1	1936	- 1 -		reported water in fine thite sand and never fails in
106		Scot.22,	В,Н	D	Dug rell. Log curb; 2 feet log cosing at drought.
-00		1936	,,	1	top. Owner reported actor in packed sand and never
107	21 8	Nov. 16,	B,H	D	Dug till. Rock curb; rock casing, fails in drought.
TO 1	01.0	1936	,,		top to bottom. Other reported with in yellow sand-
		1990	i		stone and never frils in drought.
100	777		77	h a	Reported uniform flow of 3 gellons a minute from 3
168	FT0-S	Sept.22,	HON.	D,S	-
		1936			opinines in white sona. Improved with rood box and 3-
					inch till. Known locally as Liberty Spring.
110	4	6ct. 10,	B,H	ˈD , S	Dug tell. Nocd curb; 14 fest wood casing; 38 feet con-
	[1906	1	:	crete casing, open at bottom. Owner reported water in
				1 	black sand and never fails in drought.
111	44.3	do.	B,E	iD,S	Dug well. lood carb, brick casing, top to bottom.
				, 1	Ten at reported strong supply from fine tan sand and
113	58.0	Sept.25,	0,7	,D,S	Vitrified tile curb; 92 feet inever fails in drought.
		1936			tile cosing. Ormer reported water in fine gr yish-blue
	1				send and never fails in drought. Reported slight draw-
114	8.0	Cct. 8,	B,H	D.S	Vitrified tild curb; down after pumping 50 barrels.
		1936	_,	-, -	tile casing, top to bettem. Owner reported water in
				Ì	rud iron ore gravel and bails dry but nover fails in
115	30	0/	A,D,	Ind	Steel carb; 215 feet 10-inch steel crsing;271 drought.
TT ()	50	<u>e/</u>	37		foot 5-inch stud ersing; 80 foot 5-inch screen at bot-
·			012		tom. Fumper reported wher level 80 feet when pumping
			0.7		200 gelions a minute from fine gray send. Drilled by
120	15.0	i	C,E,-		Dug well. Concrete curb; 18 fet Layne-Toxes Do.
		1956			concrete casing. Ormer reported water in fine tan
				, 	sand and lovers in drought.
121	8.3	do.	0,E,±	· D	Dug well. Vitrified tile curb; 19 fost tile cesing.
	l		Ļ	L	Orner reported teter in fine ten send end lovers in
122	Flors	Dcc. 7,	None	S	Estimated flow, 1 gallon a minute from open- drought.
_		1936		ł	ing in sand on cast slow of hill. Box curb.
123	13.5	Oct. 14,	B,H	D,S	Dug well. Concrete curb; concrete casing, top to bot-
	•	1936	1	• • •	tom. Other reported tater in fine ten send and nover
125	9.1	Nov. 6.	E,H	D,S	Dug well. Brick curb; brick crsing, foils in drought.
		1936			top to bottom. Then's reported strong supply from
				1	fine send and never fails in drought.
126	14 2	0ct. 1,	B,H	D.S	Duc well. Whod curb; 51 flot brick cosing. Owner re-
100	12.0	1936	×_و ^{ر_ر}		ported water in fine, sandy, iron ore gravel and never
127	37.0		B,H,&	n e	Vitrified tile curb; 79 feet tile I fails in drought.
101	07.0	do.		ت, د	
			0,₩		crising. Tenant reported strong supply from fine white
3.00		,		+	sand end never fails in drought.
128	46	<u>e/</u>	0,H	p,s	Concrete curb; stell easing, top to bottom. Screened
			1		at bottom. Comer reported strong supply from gray
		·····	L		quicksond and never fails in drought.
129	16	<u>e/</u>	C,G,2	D,S	Vitrifică tile curb; tile casing, top to bottom. Owner
	1		1		remonted slight drawdown after pumping 12 barrels a
		Ĩ		Į	day from find gray quicksand. Reported never fails in
		• •	ł	1	drought.

-13-Records of wells and springs in Burleson County--Continued

Saldwellsitua- tionple- well tedwell ted133 65 milesJ. J. Hulikcentle slope5050134 10 milesE. TatumM. E. Brymerdo.10115016135 106 milesH. McKeenChus. AdarwateHill- top2536136 10 milesdo.Sunnyside Schooldo.1925286137 106 milesdo.Sunnyside Schooldo.1925286137 106 milesH. GriffithS. C. BlabahOentle661139 10 milesJohn Herrisondo2936141 9 milesE. H. JoxHenry Eitchelldo.19188016142 10 milesH. McKeenOlivie FarkerHill5536143 do.do.Go.Rufe ColemenDrewSpring144 105 milesdo.Rufe ColemenDrewSpring144 105 milesdo.Rufes ColemenDrewSpring144 105 milesdo.Fufus ColemenDrewSpring145 10 milesdo.Fufus ColemenDrewSpring144 105 milesdo.Fufus Colemendo.193233145 10 milesdo.Fufus Colemendo.193233145 10 milesdo.Fufus Colemendo.193233145 10 milesdo.Fufus Co		nee	ULUS UI WELLS AII	<u>d springs in Burle</u>		<u>i y==0(</u>		<u>eu</u>	Height of
Saldwellsitua- tionple- well tedwell ted133 65 milesJ. J. Hulikcentle slope5050134 10 milesE. TatumM. E. Brymerdo.10115016135 106 milesH. McKeenChus. AdarwateHill- top2536136 10 milesdo.Sunnyside Schooldo.1925286137 106 milesdo.Sunnyside Schooldo.1925286137 106 milesH. GriffithS. C. BlabahOentle661139 10 milesJohn Herrisondo2936141 9 milesE. H. JoxHenry Eitchelldo.19188016142 10 milesH. McKeenOlivie FarkerHill5536143 do.do.Go.Rufe ColemenDrewSpring144 105 milesdo.Rufe ColemenDrewSpring144 105 milesdo.Rufes ColemenDrewSpring144 105 milesdo.Fufus ColemenDrewSpring145 10 milesdo.Fufus ColemenDrewSpring144 105 milesdo.Fufus Colemendo.193233145 10 milesdo.Fufus Colemendo.193233145 10 milesdo.Fufus Colemendo.193233145 10 milesdo.Fufus Co	No.		Survey	Owner	-				measuring
tionted(ft.)13384 milesJ. J. HolikGentie505013410 milesE. TatumM. E. Erymerdo.1011501013510 ² milesH. McKeenChus. AdarwateHill252613610 milesdo.Sunnyside Schooldo.1925282813710 ² milesH. GriffithS. C. BlahahCentle66113910 milesJohn Herrisondo29301419 milesE. M. CoxHenry Eitchelldo.1918801014210 milesH. McKeenOlivie ParkerHill5530143do.do.Rufe ColemanDrewSpring-14410 ² milesdo.Rufe ColemanDrewSpring-14410 ³ milesdoKarnesGentle26-14510 milesdo.Frenk KrallGentle193630-14510 milesdo.Frenk KrallGentle193233-146do.E. M. CoxDick FisherHilltop2111479 milesdo.Frenk KrallGentle193233-14510 milesdo.John M. PaukretRidge193233-146do.S. F. Austi								eter	point
133 8 ⁴ miles J. J. Holik Gentie 50 31 134 10 miles E. Tatum M. E. Brymer do. 1911 50 16 135 10 ⁴ miles H. McKeen Chus. Adamwate Hill- 25 33 135 10 ⁴ miles H. McKeen Chus. Adamwate Hill- 25 34 135 10 ⁴ miles H. Oriffith S. C. Blahsh Centle 66 4 139 10 ⁴ miles H. Oriffith S. C. Blahsh Centle 66 4 141 9 miles E. H. Oriffith S. C. Blahsh Centle 29 34 142 10 miles H. McKeen Olivis Parker Hill- 55 35 142 10 miles A. McKeen Olivis Parker Hill- 56 36 143 do do Farkes Bot 16 36 <td></td> <td>Jaldwell</td> <td></td> <td></td> <td></td> <td>ple-</td> <td>1</td> <td>oſ</td> <td>above</td>		Jaldwell				ple-	1	oſ	above
133 By miles J. J. Hulik Gentle 50 50 134 10 miles E. Tatum M. E. Brymer dc. 1911 50 10 135 10% miles H. McKeen Chus. Adarwate Hill. 25 30 135 10% miles dc. Sunnyside School dc. 1925 28 3 136 10 miles dc. Sunnyside School dc. 1925 28 3 137 10% miles H. Griffith S. C. Blahah Gentle 66 4 139 10 miles John Harrison dc. 29 30 141 9 miles E. H. Jox Henry Kitchell do. 1918 80 10 142 10 miles A. McKeen Olivie Parker Hill- Sping 144 10% miles do. Rufes Coleman Drew Sping					tion	teđ	(ft.)	well	ground
133 By miles J. J. Evlik Gentle 50 50 134 Io miles E. Tatum M. E. Erymer dc. 1911 50 10 135 Io miles H. McKeen Ches. Adarwate Hill. 25 30 136 Io miles do. Sunnyside School do. 1925 28 3 137 Io miles do. Sunnyside School do. 1925 28 3 137 Io miles do. Sunnyside School do. 1925 28 3 137 Io miles H. Griffith S. C. Blahah Gentle 29 30 141 9 miles E. H. Jox Henry Eitchell do. 29 30 142 Io miles H. McKeen Olivie Parker Hill- Sping 143 do. do. Karnes Gentle Sping 144								(in.)	(ft.) a/
westSlope13410 milesE. TatumM. E. Brymerdo.1911501613510% milesH. McKeenChus. AdurwateHill253613610% milesdo.Sunnyside Schooldo.192528413710% milesH. GriffithS. C. BlahahCantle66413910 milesJohn Harrisondo293613910 milesE. H. CoxHenry Kitchelldo.191880101419 milesE. H. SoxHenry Kitchelldo.1918801014210 milesH. McKeenOlivio ParkerHill5536143do.do.Rufe ColemenDrewSpring14410% milesdoKarnesGentle25-14410% milesdo.Frenk Krs11Gentle2336146do.F. M. CoxDick FishorHillop2111479 milesdo.Frenk Krs11Gentle19323336149do.S. F. AustinHugo DoorrHillop192650161509% milesdo.S. F. AustinHugo DoorrHillop1061081609% milesdo.S. F. AustinHugo DoorrHillop56515210% mi	133	8 miles		J. J. Holik	Gentle		50	36	3
13410 milesE. TetumM. L. Brymerdc.1911501013510% milesH. McKeenChus. AdarwateHill- top253613610 milesdo.Sunnyside Schooldo.192528813710% milesdo.Sunnyside Schooldo.192528813710% milesH. GriffithS. C. BlahahContle66613910 milesJohn Harrisondo29361419 milesE. H. JoxHenry Eitchelldo.1918801014210 milesH. McKeenOlivie ParkerHill5536143do.do.Rufe ColemenDrewSpring14410% milesdoKarnesGentle2514410% milesdo.Rufus ColemenDrewSpring14410% milesdo.Rufus Colemendo.19363014410% milesdo.Frank KrallContle19323314410% milesdo.Frank KrallContle19323314510 milesdo.John M. PaukretHilltop2111479 milesdo.John M. Paukrettop1926501149do.S. F. AustinHugo Doorr<		~			· ·				Ĵ
westH. McKeenChus. AdarwateHill- top253413610 milesdo.Sunnyside Schooldo.192528413710% milesH. GriffithS. C. BlabahGentle66413910 milesJohn Harrisondo29341419 milesE. H. CoxHenry Eitchelldo.1918801014210 milesE. H. SoxHenry Eitchelldo2534143do.do.Rufe ColemanDrew5534143do.do.Rufe ColemanDrew553414410% milesH. McKeenOlivie ParkerHill- side5534143do.do.Rufe ColemanDrewSpring14410% milesdoKarnesGentle2514410% milesdo.Frank KrallGentle19323314510 milesdo.Frank KrallGentle1932331459 milesdo.S. F. AustinHugo DoorrHilltop563149do.S. F. AustinHugo DoorrHilltop190610815110 milesdo.Hrs. C. Kocurvedo56315210% milesdo.R. O. Flippindo	174		TE Motum	M T' Promo	and the state of the second second second second	1011	50	10	2
13510% miles southwestH. McKeen topChus. Adarmate topHill- top253013610 miles southwestdo.Sunnyside School slopedo.1925283013710% miles southwestH. Griffith southwestS. C. Blahah slopeGantle slope664013910 miles southwestJohn Harrison slopedo29301419 miles southwestE. H. Jox southwestHenry Eitchell slopedo.1918801014210 miles southwestH. McKeen slopeOlivic Parker sldeHill- slope5530143do.do.Rufe Coleman slopeDrew slopeSpring slope14410% miles southwestdoKarnes slopeGentle slope2514410% miles southwestdo.Frank Krall slopeGentle slope211014410% miles southwestdo.Frank Krall slopeGentle slope19363014410% miles southwestdo.Frank Krall slopeGentle slope19323314510 miles slopedo.Frank Krall slopeGentle slope19323314510 miles slopedo.Frank Krall slopeGentle slope193233146do.S. F. Austin slope <td< td=""><td>104</td><td></td><td></td><td>M. E. DIJMEI</td><td>u0.</td><td>* * * *</td><td></td><td>10</td><td></td></td<>	104			M. E. DIJMEI	u0.	* * * *		10	
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southslore152 $10\frac{1}{2}$ miles southD. Perry H. A. BennH. A. Benndo5415311 miles southdo.R. O. Flippin H. A. Benndo8815311 miles 	151	10 miles	do.	Mrs. L. N. Dear	Gentio		37	8	1
152 $10\frac{1}{2}$ miles southD. Perry H. A. BennH. A. Benndo5415311 miles southdo.R. O. Flippindo88 $\frac{153}{54}$ 10 miles southdo.0. Brinkmando.19251,100 $\frac{155}{55}$ 9 $\frac{1}{5}$ miles southAnn BassJim Harvey southHilltop108156do.do.Otto Meier slopeGentle slope191161	- · · +				1			-	
southdo.R. O. Flippindo88153 ll miles southdo.R. O. Flippindo88d/154 lO miles southdo.O. Brinkman or do.do.1925 l,100 -155 9 miles southAnn Bass southJim Harvey or do.Hilltop108156 do.do.Otto Meier slopeGentle slope1911 61			n Dammer	H & Ronn			54	8	1
153 11 miles do. R. O. Flippin do. 88 30000 South do. O. Brinkman do. 1925 1,100 153 9% miles Ann Bass Jim Harvey Hilltop 108 155 9% miles Ann Bass Jim Harvey Hilltop 108 156 do. do. Otto Meier Gentle 1911 61	TUR		D. LOIT'		u0.				÷
southdo.0. Brinkmando.19251,100d/15410 miles southdo.0. Brinkmando.19251,10015595 miles southAnn Bass southJim HarveyHilltop108156do.do.Otto Meier slopeGentle slope191161		sourn					1	1	
southdo.0. Brinkmando.19251,100d/15410 miles southdo.0. Brinkmando.19251,10015595 miles southAnn Bass southJim HarveyHilltop108156do.do.Otto Meier slopeGentle slope191161			j 	,		<u> </u>	1 00		<u> </u>
d/154 10 miles do. 0. Brinkman do. 1925 1,100 - south 155 95 miles Ann Bass Jim Harvey Hilltop 108 108 south 156 do. 0. Otto Meier Gentle 1911 61 108	153		ao.	K. U. Flippin	ao.		68	8	1
south Jim Harvey 155 9% miles Ann Bass south Jim Harvey 156 do. do. Otto Meier Gentle slope					<u>-</u>	+		<u> </u>	L
1559% miles southAnn BassJim HarveyHilltop108156do.do.Otto MeierGentle191161156slope1081911611911108	<u>d</u> /154		do.	0. Brinkman	do.	1925	11,100		
south 156 do. do. Otto Meier Gentle 1911 61 slope		south						<u> </u>	
156 do. do. Otto Meier Gentle 1911 61 slope	155	93 miles	Ann Bass	Jim Harvey	Hilltop		108	8	0.5
156 do. do. Otto Meier Gentle 1911 61 slope		south							
slope	156		do.	Otto Meier	Gentle	1911	61	8	1
					ļ		1		
157 9 miles M. B. Lawrence John Machousky Ridge 1916 34 30	157	9 miles	M. B. Lawrence	John Machousky	Ridge	1916	34	30	1
south	101		THE DE TRANTOROO					Ĭ	±
	3/2 501			A K Daler aler	1	1057	3 200		
	a/108		uu.	H. V. LOTSURKA	1	1220	10,000	1	
south slope		south			stobe		1	1	

-14-7. I. Clark, Jr., Project Superintendent

			<u></u>	1. 01	ark, Jr., Project Super: ntendent
	I	r Level	1	ţ	
No.	Depth	Date of	Pump	Use	Remarks
	below	measure-	and	of	
	measu:	r- ment	power	water	
	ing po	oint	b/	<u>c/</u>	
	(feet			-	
133		0ct. 15,	РН	S	Dug well. Tood curb; roch cessing, top to bottom. Owner
100	01.0	1936	1 12911		reported water in fine sand and never fails in drought.
134	16 5	Sept.22,	DU	D.S	Dug well. Vitrified tile curb; 51 feet tile casing.
104	TO*0		, ^D , ⁿ	ت, لا	
		1936	 		Omer reperted strong supply from gravelly sand and
135	19.4	Nov. 16,	L E,H	D,S	Dig tell. Vitrified tile curb; never fails in drought.
		1936			Tile easing, top to bottor. Tenant reported water in
					porous yellow rock and never fails in drought.
136	13.1	do.	B,H	D	Tl+rified tile curb; til casing top to bottom. Neigh-
					bor reported tater in white sand and never fails in
137	25.4	do.	E,H	D,S	Vitrifi d til: curb; til: casing, top to bot- drought.
		_			tom. Owner reported strong supply from fine sand and
139	23.3	Oct. 12,	B,H	D,S	Dug voll. Mood curb; 19935 never fails in drought.
		1936		-,-	rock casing, top to betsom. Owner r.ported tater in
		1.200			fine sand and never fails in drought.
	10 77				
141	42.5	Sept.22,	1 B,H	D,S	Drg vell. Vitrified tile curb; 80 fest tile casing.
	<u> </u>	1936	 		Other reported water in sand and never fails in drought.
142	51.8	Oct. 12,	B,H	D,S	Dug sell. Wood curb; loose Drilled by Henry Clemons.
		1936			rock casing, top to bottom. Owner reported water in
					fine tar sand and never fails in drought.
143	Flows	.05	None	S	Estinated flow, 2 gallons a minute from numerous open-
					ings in sendstore veirs. Known locally as Copp ras
144	21.8	do.	E,H	D,S	Dug vell. Rock curb; rock casing, top to Springs.
nda	~~~~~				bottom. Owner report d strong supply from white sand
145	28.0	do.	B,H	D,S	Dug well. Rock carb; rock and never fails in drought.
140	20.0	40.	; 1 /91 4	5,5	casing, top to bottom. Orner reported rater in soft
740	18.0		D TT	D	
146	10.0	do.	В,Н	ЦП	Vitrified tile curb; tile casing, top to sandstore.
					bottom. Neighbor report a water in white sand.
147	30.2	Oct. 15,	В,Н	S	Vitrifi d tile curt; 33 feet tile casing. Other ro-
		1936			ported mater in fine sand and never fails in drought.
].48	31.5	do.	B,H	D,S	Vitrified tile curb; tile casing, top to bot+om. Neigh-
	1	1			bor reported water in blue sand and never fails in
149	39.9	Nov. 12,	B,H	D,S	Vitrified tile curb; 108 feet tile casing. drought.
		1936	,		Prighber reported strong supply from fine sand and
150	47.1	do.	B,H	D.S	Dup well. Masonry curb; 56 never fails in drought.
-00			- • • •	-,-	fest sand masonry casing. Tenant reported water in
					five dark sand and nearly bails dry in 6 hours but
151	33.4	do.	B,H	D	Vitrified tile curb; 37 feet never fails in drought.
TOT	00.4	1 00.	р , г	L L	
					tile essing. Neighbor reported water in fine blue sand
152	50.1	do.	В,Н	ຸມ,ຽ	Vitrified tile curb; tile and never fails in drought.
		1		İ	casig, top to botton. Tenant reported water in blue
					send and never fails in drought.
353	73.4	ão.	E,H	D	Vitrified tild curt; tild casing, top to bottom. Ormer
		1		t I	r.post-d weak supply from fine gray sand but nover
154					Oil test. Known as H. L. Griffin fails in drought.
		1			No. 1.
155	65	e/	C,H	D,S	108 rest vitrified tile casing. Tenant reported vater
			~ ,	-,~	in fine and and hever fails in drought.
156	50 1	Dec. 11,	E,H	S	
700			ಖ , ಗ	L L L	Vitrifia tile curt; tile casing, top to bottom. Otmer
3		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.
		1936		L	top to bottom. Ormor reported rater in quicksand and
158					Oil test. See log. Neighbor never fails in drought.
					r ported water flor i to surface from blue sand at 1100
_ 1	L				f ct. Known as Poorboy Gil Co., A. K. Polansky No. 1.

-15-Records of wells and springs in Burleson County--Continued

		1	d springs in Burle					1 Toistabe of
			^	m	The bas	Denth	Diam	Height of
No.	Distance	Survey	Owner	Topo-		Depth		
	from			graphi c			eter	point
	Jaldwell			situa-	ple-	well	of	above
				tion	ted	(ft.)	well	ground
							(in.)	(ft.) a,
1 59	65 miles	M. B. Lawrence	G. A. Walman	Gentle	1925	22	30	1
200	south			slope		~~		-
1.60	8 miles		Gus H. Eberhardt	do.	1925	95	8	- 2
100	1		Gub II. Ibeillaiut	uo.	1920	30	0	â
	south		Oralia Directional	7.	1007	4.00		
191	8 miles	S. M. Williams	Gus Brinkman	do.	1923	420	4	0
	southwest						}	i i
162	do.	do.	Frank Kubelka	Slope	1925	150	8	. 2
163	7 miles	do.	do.	Ridge		149	8	1
100	southwest	40.	401	midgo				-
	Southwest							
3.6.4	3	The One of the Original Provide State		1000	670			
164	do.	E. Greenwood	Otto Helvig	Gentle	1920	630	4	1
				slope				
165	7 miles	do.	John Gerdas	do.	1912	165	8	1
	south .							
							•	
166	61 miles	do.	do.	do.	1900	94	8	1
	south							
167	6 miles	do.	E. D. Aharns	Hilltop	1027	430	8	1
701	south		D. D. Midelib	TITTT 00 b	1001	100		1 ±
	South							
- 160	43	7. 77		703 - 1	1010	OPP		
168	$4\frac{3}{4}$ miles	D. Clark	Martin Hlavaty	Flat	1919	277	4	
	south					1		
169	3 miles	E. Swearingon		Creek	1931	18	30	- 3
	scuth			valley				
				č				
171	4 miles	do.	W. A. Mercer	Gantle	1929	48	8	. 2
- / -	south			slope	2000	10		
172	47 miles	do.	Bothel Rogers	do.	1898	70	8	
$\mathbf{T}(\mathcal{L})$		ω.	Detmer Mogers	uo.	1090	10	0	1
	south	7 17 7 7 7	T TT- 2	T) • 7				
173	8 miles	J. 7. Bell	J. Hudec	Ridge		82	8	2
	southeast			top		ł		
174	75 miles	do.	H. A. Duncan	Knoll	1897	43	8	1
:	southeast			top				
d/175	6 miles	J. Bird	C. W. Young	Gentle	1927	1,850		
<u></u>	southeast		· •	slope	-		1	
176	6 miles	do.	0. Windle	do.	1920	54	8	2
+10	southeast		A. UTITATO	u.74	2020		Ĭ	2
7 00			Tran Commett			70	30	F7
177	4^3_{2} miles	do.	Jess Garrett	do.		30	100	3
	southeast							L
<u>סמ</u> ר	4 miles	do.	Simpson	do.		17	30	1
1,0						1	1	1
1,0	southeast		Crocery Co.			1	1	

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.

				-16-	
11.	I.	Clerk,	Jr.,	Project	Superintendent

			<u></u>	<u>I. Cl</u>	erk, Jr., Project Superintendent
	1	r Level			
No.		Date of		Use	Remarks
	below	measure-	and	of	
	measu	1	power	water	
	ing po		b/	<u>c/</u>	
	(feet		-		
159	1	Nov. 6,	B,H	D,3	Dug vell. Vitrified tile curb; 24 fect tile casing.
705	20.0	1936	i l'gill	2,0	Tenant reported water in fine tan sand and bails dry
1.00	- <u></u>			n a	Vitrified tile curb; 95 , but never fails in drought.
160	70.8	Dec. 11,	, B,I	D,S	
		1936	 		fout tild casing. Owner reported mat.r in fine sand
161	60	<u>e/</u>		P,S,	420 feet 4-inch steel cas- and nev-r feils in drought.
			12	Ind	ing. Figished with 2-inch tubing. Slight drawdown
			Í		when yielding 30 gallons a minute. Owner reported
	ł				strong supply; I never fails in drought.
162	Flo7s	Oct. 13,	Non	D.S	Vitrified tile curb and casing. Flows 2 gallons a min-
		1936	•		ute from opening in casing 1 foot below ground and 3
			ĺ		fort below top of measuring point. Pater reported in
			1		find gray sand and nover fails in drought.
163	12	6/	C,H	D,S	Vitrified tilt curb; 149 Cot til. casing. Owner re-
100	1 1 5	<u></u>	, О,П	۵,۵	
	1				ported strong supply in fingray sand and
					never fails in drought. Drilled by Chas. Durvasky.
164	30	<u>e/</u>	C, 11	D,S	Steel curb; 630 feet steel casing. Omer reported
······		ļ			strong supply in fine blue sand; never fails. '
165	100	$\epsilon/$	0,7		Vitrified tile curb; 165 [Drilled by Barron.
					feet tile casing. O mer reported strong supply in fine
		1			blue sand and never fails in drought. Drilled by Lew-
166	38.7	Cet. 13,	B,H	S	Vitrified tile curb; 101 feet tile casing. is Kuehl.
		1936			Ormer reported rater in fine blue sand, 80-101 flet,
					and n vor fails in drought. Drilled by Lovis Kuchl.
167	30	<u>c/</u>	0,7	D,S	Steel curb; 430 feet st. 1 casing. Driller reported
TOL			0 , 1	5,0	slight drawdown when pumping 100 gallons a minuto
					from blue sand, 390-450 feet. Reported never fails in
					drcught. Drilled by L. Kuehl. See log.
168		Oct. 1,	Nong	D,S	Concret. curb; 277 fout 4-inch stool casing. Estimat-
		1936		1	od flow, 1 gallon s minute, 2 feet above ground. Ovm-
		· · · · · · · · · · · · · · · · · · ·			er reported mater in sand, 257-277 fult, and stronger
169	10.1	Nov. 6,	B,H	D,S	Dur Jell. Concrete curb; vitrified flot in winter.
		1936	-		tile casing top to bottom. Tonant reported vator in
					dark send and never fails in drought.
171	34.1	do.	B _. H	N	Vitrified tile curb; tile casing, top to bottom. Owner
بياهد ا يناهي	J 1 • +		~ • • • •	, _`	reported water in fine dark sand and never fails in
172	50.4	do.	B,H	D,S	Vitrified tile curb; tile casing, top to bot- drought.
110	JU • 4		л , п	0,0	
7	70 7		T) 77	D C	tor. Tenant reported strong supply in blue sand and
173	38.7	Oct. 14,	в,н	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.	B,H	D,S	Vitrified tile curb; tile casing, top to bottom. Owner
					reported water in dark send and never fails in drought.
175					Oil test by Mid-Tex Petroleum Co. Neighbor reported
-				Į	water rises to surface.
176	21.1	do.	B,H	D,S,	Vitrified tile curb; til- casing, top to bottom. Ten-
±10	~~			,_,	ant reported strong supply in dark sand and never fails
100	00.0	Gent 04	10 17	S	
177	aa.U	Scpt.24,	В,Н	S	Dug well. Soncrete curb; concrete casing, in drought.
		1936			tor to bettom. Tenant reported water in dark sand and
178		Oct. 14,	В,Н	D,S	Dug cll. Vitrified tile curb; never fails in drought.
		1936			tile cesing, top to bottom. Tenant reported vater in
					fine ten sand and never fails in drought.
			i mad u	+ion.	I.vd, industrial; P, public; S, stock; N, not usod.

c/ D, domustic; I, irrigation; Lud, industrial; P, public; S, stock; N, not used. d/ No water sample collected for enclysis. c/ Mater level reported.

-17-Records of wells and springs in Burleson County--Continued

	Reco	ords of wells a	nd springs in Burl	eson Coun	<u>tyC</u>	ontinu	ed	
No.	Distance from Caldwell	Survey	Owner	Topo graphic situa- tion	com-	Depth of well (ft.)	Diam- eter of well (in.)	Height of measuring point above ground (ft.) a/
179	3½ miles southeast	J. Bird	Simpson Grocery Co.	Slope		Spring		
180	3 ¹ / ₂ miles southeast	do.	do.	Gentle slope		56	8	1
182	3 miles east	Jas. Hall	Novack & Dubeak	Hilltop	1932	117	10	1
	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 miles east	B. Hughes	Zolph New co mb	Hilltop		95	8	1
186	5 ¹ / ₃ miles southeast	A. M. Cooper	Adolph Gold	Knoll top		64	8	2
187	7 _호 miles east	do.	G rady Ryan	Hilltop	1936	240	2	0.5
188	7 miles east	do.	do.	do.		92	8	. 2
189	5 ¹ / _코 miles east	A. Blair	Dewitt Calvin	Ridge top	1919	26	8	l
190	6 호 miles east	A. M. Cooper	John P. Marek	Gentle slopa	1911	70	8	- 3
191	9 miles east	N. McFadden	Vince Hejl	do.	1925	58	8	. 2
192	65 miles east	J. Hughes	Jack Henderson	Hilltop		79	30	1
193	7 miles east		Rex Plimper	Gentle slope	1927	42	8	2
194	9충 miles east	N. McFadden	F. Marek	Creek valley	1920	1,920	4 . 2	
195	do.	do.	do.	Gentle slope	1922	1,560	4	
<u>d/196</u>	10 miles east	do.	do,	do.	1932	2,300		
197	· · · · · · · · · · · · · · · · · · ·	do.	Adolph Marek	do.	1920	115	8	· 1
<u>d/198</u>	19호 miles east	M. Cummins	Marek	do.	1931	2,286		
199	do.	J. Kinkead	Old Bethlem School	do.		25	30	1.3

				-18-	
•	I.	Clark,	Jr.,	Project	Superintendent

				T 01	-18-
		T	κ.	1. 01	ark, Jr., Project Superintendent
Mo		r Level Date of	771 1777 77	TTOO	Demomina
. OV	. ~		Pump	Use of	Remarks
		measure-	and	1	
	measu		· ·	ι.	
	ing po		<u>b</u> /	<u>c/</u>	
170	(feet	/ Sept.24,	Mono	D,S	Estimated flow, 1 gallon a minute from 2 openings in
179	FLOWS	1936	I Moue	0,0	tan quicksand at foot of slope. Improved with 3 joints
		1900	1 2 1		30-inch vitrified tile. Reported never fails in drou-
					ght. Known locally as Pabulek Spring.
180	72.4 0	Oct. 14.	B,H	D.S	Dug well. Vitrified tile curb; 56 feet tile casing.
TOU	04.5	1936	о,п	0,0	Tenant reported water in fine tan sand and never fails
182	90	the second second second second second second second second second second second second second second second s	C,1,1	Trd	Tilc curb; 117 feet tile casing. Estima- in drought.
102	50	<u>e</u> ,/	± ون. و V	1 1 1 1 1	ted yield, 6 barrels a day. Water report d in fine
					yellow quicksand and never fails in drought. Supplies
183	77 77	Sept.23,	B,H	D.S	Vitrified tile curb; tile casing, top to cotton gin.
100	00.1	1936	D,11	0,0	bottom. Owner reported weak supply in fine sand but
184	32.0	Dec. 17,	B,H	D,S	Vitrified tilc curb; 49 fest never fails in drought.
704	04.9	1936	р,п	υ,ο	tile casing. Other reported water in fine sand and
185	62		C,H	ম	Vitrified tile curb; 90 feet never fails in drought.
100		<u>_/</u>	0,11	1 Lí	tile casing. Neighbor reported strong supply in green-
			t t		ish-block sand and never fails in drought.
186	62 1	Nov. 13,	B,H		Concrete curb; vitrified tile casing, top to bottom.
TOO	02+1	1936	المرولد ا		Tenent reported water in sand and never fails in drou-
187	60		0,7	D,S	Coment curb; 145 for 3-inch galvanized iron cas-ght.
107		<u>e</u> /	~, \	2,0	ing at top, 95 foot 2-inch screen at bottom. Owner re-
					ported yield 30 gallons a minute from fine gray sand,
					195-240 feet, and never fails in drought.
188	63 1	Nov. 13,	B.H	D.S	Vitrified tile curb; tile casing, top to bottom. Owner
100	r 00	1936	J.1.	2,2	reported strong supply in fine sand and nover fails in
189	24	do.	B,H	ŋ	Vitrified tile curb; 36 feet tile cosing. drought.
+00	~ -		- ,	_	Owner reported suter in fine blue sand, 20-35 feet, and
190	71.9	Dec. 17,	B,H	D,S	Vitrified tild curb; tild cas- never fails in drought.
		1936	,		ing, top to bottom. Owner reported water in fine gray
					quicksand and never fails in drought.
191	52.5	do.	B,H	D,S	Vitrified til. curb; tile casing, top to bottom. Owner
					reported tater in gray quicksend and never fails in
192	74.9	Nov. 17,	B,H	D	Dug tell. Rock curb; brick and rock casing, drought.
		1936	•		top to bottom. Meighbor reported otor in blus clay
					and sand. Reported bails dry but never fails in drou-
193	22.6	do.	B,H	D,S	Vitrified tile curb; tile casing, top to bettom.] ght.
			·		O nor reported strong supply in dark shele and sand and
194	Flows	Jen. 8,	None	D,S,I	800 feet 8-inch steel essing; never feils in drought.
		1937			180 feet 43-inch stool cosing. Estimated flow, 200 gal-
					lons a minute, 80 feet above ground. Driller reported
					where in fine sond, 1900-1920 feet nover fails in
					drought. Temperature, 102°F. Drillod by F. Marek.
195	do.	do.	None	S,I	600 f.ct iron crsing. Estimated flow, 30 gallons a
					minute. Owner reported water in fine blue sand and
					nov r frils in drought. Temperature, 91°F. Drilled by
196					Oil test. Drilled by F. Marck. Re- Jackson & Balse.
					ported no strong artesian flow encountered.
197	90	e/	C,U	D,S	Vitrified tile curb; 115 feet tile casing. Water re-
_		—			ported in fine sand and never fails in drought.
198	~ ata ata				Oil test. Drilled by F. Marek. Reported no strong
					artasian flow encountered. See log.
199		Sept.23,	B,H	D	Dur 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

	Reco	rds of wells an	d springs in Burla	son Count	tyCo	ontinu	ed	
No.	Distance	Survey	Owner	Topo-		Depth		
	from			graphic			cter	point
	Jaldwell			situa-		well	of	above
				tion	ted	(ft.)	well	ground
							(in.)	(ft.) a/
200	12 miles	C. Falenash	W. H. Oliver	Gentle		800	2	
	east			slove				
201	125 miles	do.	do.	River	1903	940	3	
~~±	east	1		bottoms	1	0.10	ľ	
	50.50			00000000				
202	13 miles	do.	Bill Oliver	do.	1898	700	2	
61/61	least	uo.	DILL OLIVEI	00.	T020	700	1 ~	
	east							
							ł	
					1071	0.00		
203	13 miles	Wm. Raleigh	J. M. Fountain	do.	1934	992	4	
	east							
204	do.	do.	do.	do.	1906	660	3	
d/205	13 miles	do.	do.	Flat	1936			- ·
	northeast							
d/2054	13 miles	do.	do.		1936	1,756		
	northeast					_ ,		
206	11 miles	do.	Chas. Campesi	River	1900	500	2	
200	east		onas. Campebr	valley	1	000	~	
	Cabu			Valley				
907	10 miles	E. Brooks	Ers. R. L. D.	TTo 1 3 and		500	2	
207		E. Brooks		Valley		006	2	
	east		Knight	flat	ļ		ļ	
208	do.	do.	do.	Gentle		500	2	
				slope				
209	10 1 miles		Jas. Carmode	River		550	4	
	northeast			bottoms				
210	11 miles	J. Curtis	Jebb Howell	Hilltop		800	2	. =-
	northeast			_	1		1	
	<u></u>	}	į		Į	ļ	1	
		1			<u></u>	· · · · · · · · · · · · · · · · · · ·	1	Height of
No.	Distance	Survey	Owner	Topo-	Date	Depth	Diam-	
100.	from	Daivoy	0.001	graphic	1	a	eter	point
	Somerville			situa-	í	well	of	above
	DOMEINITIC			ļ	<u> </u>	1		1
			1	tion	ted	(ft.)	well	ground
	L				Į	L	(in.)	
301	$10\frac{1}{2}$ miles	J. Buchanan	Vince Ofclarzak	Gentle		71	8	1
	west			slope		1	<u> </u>	
302	9 miles	do.	John Schoppe	do.	1911	87	8	2
	west				1			
303	do.	M. B. Lawrence	F. O. Weichert	do.	1930	107	8	1
		1			1			_
d/304	7 miles	J. Burleson	A. Schoppe	Knoll	1924	75	8	
<u> </u>	northwest		- Surches	top	1			
						I		
305	do.	J. Perry	E. B. Jones	Gentle	1929	91	8	7
305	uu.	J. Ferry	L. D. Jones	1	TACA	31	0	- 3
				slope	! 			
307	9 miles	do.	C. C. Martin	do.		25	30	1
	northwest				1			1
	L						1	
308	$3\frac{3}{4}$ miles	0. Perry	J. J. Nix	do.		27	30	3
	north							1
					1			
				r	,			

				-20	
7.	I.	Mork,	Jr.,	Project	Superint nder

	-20							
	Lington	r Level	·/•	1. 11	cik, Jr., Project Superintendent			
Mo	A CONTRACTOR OF THE OWNER	Date of	Pump	Use	Romarks			
100.		measure-		020 0£				
	measui	1						
	ing po		b/	<u>c/</u>				
	(fect)		<u> </u>					
200		Nov. 20,	Nono	D.S	Estimated flow, 2 gallors a minute, inte wood tank 39			
		1936		ŕ	fact above ground. Maighbor report d water in fin.			
201	do.	do.	None	D,S	Reported flow, 25 sand and never fails in drought.			
					gallons a minute, 10 flet above ground. Steel easing.			
					fater report d in fine gray sand and never fails in			
202	do.	do.	Non	Ind	Estimated maximum flow, 12 gallons a minute, drought.			
					12 feet above ground. Supplies cotton gin. Iron cas-			
					ing. Feighbor r ported water in fire sand; nover			
			<u> </u>		fails ir drought. Drilled byGillum.			
203	ao.	Sept.23,	None	Inú	Owner r ported flow of 30-100 gellors a minute,45 feet			
204		1936	None	Ind	above ground. Supplies cotton gin. Drilled by Layne- Owner reported flow of 10 gallors [Davas Co. See log.			
204	do.	<u>_</u>	Mone	TUC	a minute. 660 feet steel casing. Supplies cotton gin.			
205					Cil test. Reported strong artesian flow encountered			
200				-	at 631 feet and 960 feet. Known as J.M.Fountain No.2.			
2058					Oil test. Known as Drilled by M.R.Exploration Co.			
4000					J.M.Fountain No. 1. Drilled by H.R.Exploration Co.			
206	Flows	0/	None	D,S	Owner reported flow of 10 gallons a minute, See log.			
				ŕ	6 fect above ground, from fine blue sand. 500 fect			
					iron casing. Reported flows less than formerly.			
207	do.	Dec. 17,	Mone	D,S	Estimated flow, 2 gallons a minute. Steel casing.			
		1936	Ĺ		Neighbor reported water in fine gray sand and recent			
208	do.	do.	Non⊝	D,S	Estimated flow, 1 gallon a minute, decrease in flow.			
					2 for above ground. Iron casing. Neighbor reported			
					vatur in find gray send; never fails in drought.			
209	do.	đc.	Honc	D,S	Estimated flor, 2 gallons a minute 6 feet above ground.			
010			Tama		Stuch casing. Neighbor r.ported mater in fine blue			
210	do.	<u> </u>	None	D,S	Tenent reported flow sand; never fails in drought. 12 gellons a minute into tank. Galvanized iron casing.			
					Tater reported in fine blue send: never fails in			
					drought. Drilled by Arch Eave.			
	. Watci	r Lovul -	1					
No.	l anno 1		Pump	Usc	Romerks			
	bolot	•	and	of				
	measui		power					
	ing po		<u>b/</u>	<u>e/</u>				
	(fact)			D 2				
301	21.7	Nev. 12,	B,H	D,S	Vitrifi.d time curb; tile casing, top to bottom. Owner			
700	40	1936	TTC	D	reported at r in fine gray quicksard and never fails			
302	40	do.	В,Н		Vitrified til curb; tile casing, top to in drought.			
303	81.5	do.	B,H	C	bottom. Owner reported strong supply in fine sand and Vitrified tile curb; tile cas- accor fails in drought.			
000	01.00	u.,	, 10,11	2	ing, top to bottom. Owner reported water in fine blue			
304	74.1	Oct. 14,	B,H	N	Vitrified tile curb: send and never fails in drought.			
001		1936			75 fost tile casing. Owner reported water in blue			
					quicksand which has recently caved and shut off supply.			
305	87	do.	B,H	D,S	Vitrified tile curb; tile casing, top to bottom. Own r			
					reported yield, 3 birrols a day in dark gray quicksand			
307	15.7	Sept.24,	B,H	D,S	Dug well. Concrute curb; and never fails in drought.			
		1936			concrite casing, top to bottom. Tenant reported water			
-					in fias ton sond and never fails in drought.			
308	1	Oct. 22,	B,E	D,S	Dur, tell. Vitrified tile curb; tile casing, top to			
	1	1936			bottom. Owner reported water in fine gray send and			
	<u> </u>	l L	1	L	fails in drought.			

-21								
							Burleson	CountyContinued

	Reco	ords of wells an	nd springs in Burle	son Coun	ty0	ontinu	ed	
No.	Distance	Survey	Owner	Topo-	4	Depth		Height of measuring
	from			graphic	4	1	eter	point above
	Somerville			situa-	4 ⁻	well	of	i
				tion	ted	(ft.)	well	ground
							(in.)	(ft.) a/
309	3 miles	J. Long	Mrs. Lee Woods	Flat	1932	140	8	2
	north		a a 2 a		1070	100		
310	3 g miles	0. Perry	Geo. Shelfer	do.	1930	150	8	0
	northrest							
					L			
311	4 miles	dc.	Herman Witte	Knoll	1925	83	8	1.5
	west			top				
							ļ	
312	35 miles	J. Craft		Gentle		17	40	3
	. zest			slope				
313	$2^1_{\underline{2}}$ miles	E. Peaks	John Parker	do.		37	30	2
	πest			1	1	1		
		·			L	[
314	1 miles	J. Lastley	F. F. Snyder	Encll	1900	77	30	1
	northwest			top				
315	1 mile	J. M. Hardiman	Gulf Coast	Gentle	1914	198	8	0
	east		Utilities	slope				
				_				
				1			1	
316	₹ mile	āc.	G. C. & S. F. Ry.	do.		825	8	2
	northeast		, j				1 1	
317	l ¹ miles	do.	Bob Brantley	do.	1934	10	30	. 2
	southeast	-					1	
	20 20 20 20 20 20 20 20 20 20 20 20 20 2			i				
a/318	1 miles	do.	R. A. Brantley	âo.	1923	1.627		
<i>₩</i> •••	east					_, _, _, _,		
d/319	2 ³ miles	J. J. Dewitt	W. H. Krauso,	do.	1923	1,704	·	
<u> </u>	east		et al.			 , • • •		
102	5 ¹ / ₇ miles	W. W. Allen	J. H. Baker	Flat		Spring		
061.	east	V. N. WITTON	U. H. DAACI	1100		e Phartist	1	
3/206	7 miles	T. B. Rueso	W. R. A. Rogers	Gentle	1070	1 Q ARE	ļ	
<u>u/ 022</u>		T. D. VIAR	M. U. W. Moßelz	3	1200	2,475		
000	northeast	T D Olama	Dural, com Arrite	slope		(()		
525	10 miles	J. E. Chance	Burleson County	Hill-	 	Spring		
	east		T (5 7)-1 1 1	siâc			<u> </u>	۶ ا
324	10^{1}_{g} miles	do.	J. C. Patrick	đo.		do.		
	east					ļ		
325	ll miles	do.	Town of Clay	Valley		24	36	2
	east			flat				
						 	<u> </u>	
326	ll' milcs	do.	G. C. & S. F. hy.	}			4	
	east			slope			l	
327	ll miles	J. Chonowith	Robt. Kemp	Valley	1930	25	36	3
	northcast			flat		<u> </u>		
d/328	12 ¹ miles	A. Konnon	J. W. Coulter	Bottom	1934	6,033		
	northcast			land				
d/329	14 miles	7m. Mc7illiams	W. A. Boyette	River	1929	1,705		
	northeast		-	bottoms		1	i . I	
330	ll ¹ miles	J. Chenowith	l:rmers Na-	do.	1927	20	30	0
	northeest		tional Bank					
331	do.		F. J. Foyt	Drew	1924	1,032	3	
			- v -	bank		,	-	
Construction of the local data								

-22-W. I. Clark, Jr., Project Superintendent

	T			1. 018	ark, Jr., Project Superintendent
	I management of the second sec	r Level			
No.	1 · · ·	Date of	Pump	Use	Remarks
	below	measure-	anđ	of	
	measu	r- ment	power	water	
	ing po	oint	b/	<u>c/</u>	
	(feet				
309		Oct. 22,	В,Ч	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	DS	120 feet vitrified tile casing. Owner re- in drought.
010		<u> </u>	-, 1,0	0,0	ported 22 feet drawdown after pumping 20 gallons a
					minute for 5 hours. Vater reported in fine green sand
172.3		0	TO TT	D. C	
311	61.4	Sept.24,	Э,Н	D,S	Vitrified tile curb; 91 and never fails in drought.
		1936			feet tile casing. Owner reported strong supply in
					bluish-green sand and never fails in drought.
312	17.6	Oct. 22,	В,Н	N	Dug well. Wood curb; wood casing, top to bottom. Ten-
		1936			ant reported water in gray sand and bails dry but nev-
313	29.2	do.	B,H	D,S	Dug well. Concrete curb; con- er fails in drought.
					crete casing, top to bottom. Tenant reported weak sup-
					ply in bleck sand but never fails in drought.
314	43.8	Jan. 5,	C,W	D,S	Dug well. Vitrified tile curb; tile casing, top to
		1937	• • • •		bottom. Owner reported water in fine sand and never
315	60	e/	A,Cf,	Ind	Plant manager reported slight draw- fails in drought.
010	00	<u> </u>	л,ог, Е,-	1 114	down after pumping 45,000 gallons a day. Capacity of
			ونل		
					air lift, 252 gallons a minute; of turbine, 150 gallons
		···			a minute. Noter reported in fine gray sand; never
316	150	<u>e/</u>	A,D,	Ind	Steel curb. Attendant re- fails in drought. See log.
	ł		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,	B,H	D,S	Dug well. Concrete curb; fails in drought. See log.
		1936		-	concrete casing, top to bottom. Tenant reported water
					in fine white sand and never fails in drought.
318					Oil test. Known as R. A. Brantley No. 1. See log.
319					Cil test. Sce log.
010					
321	Flows	Dec. 16,	None	S	Estimated flow, 2 gallons a minute from numerous open-
021	TTOMP	1936	NOIIC	2	· · ·
700		7990			ings in dark gray send.
322					Oil tost. See log.
323	FT0As	Dec. 21,	None	D,S	Estimated flow, 1 gellon a minute from opening in gray-
		1936			ish thit: sandstong. 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.	B,H	P,S	Dug well. Wood Known locally as Sulphur Springs.
			·	ł	curb; 18 feet wood casing at top. Resident reported
					water in sendstone and never fails in drought.
326			C,H	D	Iron casing. Resident reported strong supply in sand
0~0			- ,	-	end never fails in drought. See log.
327	18 1	Dec. 21,	B,H	D.S	Dug well. Wood curb; wood casing, top to bottom.Owner
061		1936 <i>21</i> ,	D,11	0,0	
700		7930			reported water in hard sand and never feils in drought.
328					Oil tost. Known as J. W. Coultor No. 1. Drilled by
					Southern Seaboard. See log.
329	* ~				Oil test. Known as W. A. Boyette No. 1. 72 fect 10-
			I		inch casing. See log.
330	4.2	Dec. 21,	B,H	D,S	Dug well. Concrete curb; concrete casing, top to bot-
		1936	·		tom. Tenent reported water in sand rock and nover
331		Dec. 14,	None		Stuch casing. Estimated flow, 30 fails in drought.
		1936			gallons a minute into tenk 10 foet above ground. Neigh-
				1	bor reported water in fine sand; ' nover fails in
					drought. Supply is warm.
				i	· · · · · · · · · · · · · · · · · · ·

-23-Records of wells and springs in Burleson County--Continued

		}	d springs in Burle 					Height of
NO.	Distance	Survey	Owner	Topo-	{	Depth		
	from			graphic	1	of	eter	point
	Somerville			situa-	ple-	well	of	above
				tion	ted	(ft.)	well	ground
							(in.)	
332	10늘 miles northeast	J. P. Cole	H. F. Drought	Knoll	193ō	16	36	- 2
333	And the second se	W. R. Dallas	G. Hinton	Valley	1919	35	30	1
000				flat		00	00	-
334	9 ¹ / ₂ miles	C. Gourd	Joe Baker	Ridge		54	36	2
	northeast			top				
d/335	9 miles	J. P. Cole	J. H. Baker	Gentle	1929	2,097		·
	northeast			slope				
336	85 miles	S. Lawrence	J. Bravak	Valley		38	36	- 2
	northeast				ļ			
337	9년 miles northeast	A. Colvin	Jchn Gunek	Gentle		31	30	0.5
770	8 miles	J. S. Jox	A. W. Wincher	slope do.	1925	102	4	· 1
000	north	J. D. UO A	A. W. MINCHEL		1300	100	Ŧ	
340	93 miles	A. Colvin	Mrs. J. H. Kozar	do.		28	8	. 1
	north							
341	1	. Hollingsworth	R. R. & J. C.	do.	1912	73	8	1
antes à serie à serie e	north	, <u> </u>	Wincher					
342	ll miles north	P. Jola	Frank Orsaj	Flat	1935	32	8	1
343	10] niles north	A. Colvin	Frank J. Fojt	do.	1929	1,267	4	
344	do.	do.	do.	do.	1929	1,620	3 <u>5</u>	•
3 1745	2-	b. Armeira	t (fill non nahl on	77:17	1000	7 015		
<u>d/345</u>	do.	M. Cummins	A. Giesenschlag	Hi ll- side	1920	3,715		
346	ll miles	dc.	Martin Scar-	Gentlo	1928	30	8	1
	north		torough	slope				
347		do.	Holley Wilson	Ridge top	1929	74	8	2
348	12 milcs north	do.	J. F. Elsik	Gentla slopa	1925	890	3	
349	13 miles	J. P. Cola	B. H. Dewcy	River		980	2	
	north			bottoms				
1								
350	do.	do.	do.	dç.	a te a te	750	2	
351	14 milos	do.	do.		1900	750	2	
	north							
a/ Mca	asuring poin	t was usually to	op of casing, top	of well (curb.	or to	o of p	ump 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.

-24-V. I. Clark, Jr., Project Superintendent

			· · ·	<u> </u>	rr, Jr., Project Superintendent
		r Ievel			
		Date of	Pump	Use	Romarks
	below	measure-	and	of	
	measur	r- ment	pow⊎r	water	
	ing po	oint	<u>b</u> /	<u>c/</u>	
	(feet))	-	-	
332	18.4	Dec. 14,	छ,म	D,S	Dua well. Concrete curb; concrete casing, top to bot-
		1936	,	-,	ton. Tenant reported water in fine sand and nover
333	27.1	do.	в,Н	D,S	Dug well. Vitrified tile curb; tile fails in drought.
000	~ • •		2,22	2,0	cosing, top to bottom. Owner reported water in hard
					gray sandstone and nearly fails in drought.
334	46.8	do.	0,7	D,S	Dug well. Concrete curb; 50 fast concrete cusing at
004	40.0	uu.	' , '	ມ,ວ	
					tou. Meighbor report d yiela, 10 gallons a minute from
		<u> </u>			sandstone and never foils in drought.
335					Oil test. See log.
336	23.8	Dec. 21,	В,Н	D,S	Dug will. Nord curb; 16 fost more masorry casing at
İ		1936			top. Neighbor reported wather in hard sand and never
337	28.3	Nov. 5,	Е,Н	D,S	Dug well. Vitrifi à til curb; 21 fails in drought.
		1936	-	-	fort tild cosing. Own r reported water in white sand
338	67	<u>e/</u>	C,H	D,S	Galvarized iron curb; 102 and never fails in drought.
	-		,	- ,	feet galvanized iron casing. Owner reported water in
					fine blue sand also week supply but never fails in dro-
340	18	6/	C,H	D	Wood curb; 28 feet vitrified tile casing. Owner ught.
040	10	<u>6</u>	0,11	D	reported water in gravelly blue sand and never fails
77.4.2	417			7 7	
341	43	<u>e/</u>	۵,⊽	D,S	Vitrified tile curb; 73 fect tile casing. in drought.
		ļ			Tonant reported strong supply in blue sand and never
342	28	<u> </u>	C,H	D,S	Vitrified tile curb; 32 feet tile fails in drought.
					casing. Owner reported water in blue sand and never
343	Flous	Hov. 17,	Non-	D	Estimated flow, 20 gallons a minute fails in drought.
		1956			from coarse white veter sand reported in log, 1010-
					1020 fost. 1,289 fost 4-inch drill stem. Located bo-
					hind Tojt Store, Snook, Texes. Reported never fails
344	do.	Nov. 5,	Nonc		Estimated flow, 30 gallons in drought. Water is warm.
		1936			a minute. Driller reported vater in porous rock, 1550-
					1620 fect. Drilled by J.F.Elsik. Weter is hot. See
345					Oil test. Neighbor reported strong artesian log.
U±0					flow encountered at 1,100 feet and 1,700 feet. Drilled
346	82		0,W	D,S	Jonerete curb; vitrified by Oliphant-Caldwell Oil Co.
940	84	<u>/</u>	U , 14	ت, 1	
					tile easing, top to bottom. Temant reported strong
				~ ~	supply in fine blue sund and never fails in drought.
347	69.5	Dec. 17,	B,H	D,S	Vitrified tild curb; tild casing, top to hottom. Ounor
		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.
1		1936	(·		3-inch essing; 12 feet of screen at bottom. Owner re-
					ported vator in fine blue sond; never fails in dro-
349	do.	l'ov. 20,	None	Ind	Estimated flow, 2 gallons a minute, 8 feat above ught.
		1936	}		ground through 2-inch galvanized iron easing. Owner
					reported water in fine gray sand; hever fails in
		1			drought. Drilled by W. S. Minl. Supplies cottor gin.
350	do.	<u>c/</u>	Non	D,S	Concr reported flow of 1 gallon a minute & flot above
000		<i>≚′</i>		_,~	ground. 750 feet 2-inch iron casing. Owner reported
			1		witer in fine gray sand: nev r fails in drought.
753	2.		Trong	<u> </u>	
351	do.	<u> </u>	Nonc	D	Owner reported flow of 1 gallon a minute 4 feet above
					ground through 2-inch galvanized iron easing. Water
		ļ			reported in fine blue sand; i never fails in drought.
		<u> </u>	[!	Drill.d by W. S. Mial.
					Ind, industricl; P, public; S, stock; N, not used.
				ct.d f	or chalysis.
\overline{c}/τ	/at∶r]	Lovel rup	ortod.		
<u> </u>					

-25-

Table of Drillers' Logs, Burleson County, Texas

Deiller's log of rell 1 Deiller's log of rell 65Continued Mg miss merte of Ochaveli. (feet) Mg miss merte of Ochaveli. (feet) Surface ochy end grupping Stad					
143 miles nerth of Calaroll. Thickness Depth (foot) Sunda	Driller's log of wel	11		Driller's log of well 85Cont	tinuəd
Thickmass Derth (foot) (foest)Schla	Birmir Oil Co., J. P. Sporks	$\exists \texttt{stat}$	e.		
	141 miles north of Coldvell.				(feet)
$ \begin{array}{c} \text{Surfrees olvy crit gravel = 60 & \text{Gen} & \text{Surfrees 61 & \text{Series}$		kness	Depth		1478
$ \begin{array}{c} \operatorname{Grr} \operatorname{vol}_{1} \operatorname{shcls}_{2} \operatorname{srd}_{2} \operatorname{strd}_{2} st$	(f	oet)	(feet)		1514
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Surface clay and gravel	60 1	60	Sandy shele 10	1524
gock 61 261 Gend work 5 1578 bouldors 285 500 Sand rook 5 1563 Shalo 7' 570 Shalo 8 1610 Shalo 2 682 Sand rook 8 1610 Shalo 2 682 Sand rook 8 1640 Stady shale 10 600 Stady shele 11 1669 Stady shele 10 600 Stady shele 3 1672 Stady shele 10 600 Stady shele 52 1742 Stady shele 2 900 Stady shele 52 1747 Stady shele 2 900 Stady shele 52 1747 Stady shele 77 62 Stady shele 52 1747 Stady shele 74 800 Stady shele 52 1747 Stady shele 74 800 Stady shele 52 1747 Stady shele 74 800 Stady shele 12 1797 Stady shele 77 62 Stady shele 12 191 Stady shele	Gravel, shale, s rd streaks	i			1530
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		140	Sim	Pyrite and suid 15	1
		61	261	Sand rock U	1
				Sendy shelo 5	1
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			500	Sand rock 4	
Bock			1		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1	1		I
		1	ſ	Sand rock 2	1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		1	+	Sandy sh _e 19	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		1			1
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		- 1			
Send 2 2*0 Herd send 2 1755 Drillor's log of vell 95 Shele 3 1800 C. V. Grain No. 1. 5 Shele 9 1830 Sard and rook 45 45 Shele 9 1839 Sard and rook					1
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		C	1440	i rotwr "alithe	* * 3 * 3 *

		Detlinets log of woll 159. Conti	aned
Driller's log of well 153		Driller's log of well 158Conti Thickness	
Poorboy Cil Co., A. K. Pol nsky N	0.1.	(foet)	(foot)
81 miles south of Coldwell.			1762
Thickness			1763
(feet)	(feet)		1788
Clry 1	1	Sand, shale and lime 25 Shale 82	1870
Sandy clr.y 7	8	Send 5	1875
Shrlg 56	64	Sana 5 Shale 7	1875
Sand 4	68	$\frac{\text{Snf1G}}{\text{Send}} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2}$	1949
Shrle 1ô	84	Sena	1949
Srid 12	ઝઇ	Sard 10	1970
Shrle 18	114	Sandy shale 3	1983
Sand 11	125	Send6	1989
Sh·le 12	137		2:03
Rock 28	135	Sandy shale 1. Sand 28	2.03 2031
Send 1	166		2031 2040
Blue sendy shale 42	208	Delater, sender , contraction ,	2040 2042
Rock 43	251	Sandy shale 2 Shale 10	2042 2052
Sh 10 6	257	Sondy shalo 8	2060
Rock 90	347	Sondy share o Sond 5	2065
S'nd 3	350		2066
Shile and bouldars 13	363		2068
Sand 168	531	Sandy shale 1 Sand 23	2007
Sh-le 23	554	Schile	2139
Rock 146	700	$Sn'_{10} = 10$	2139 2149
Shelo 5	705		
Sand 85	790	Shale 20	2169
Sendy shale 20	810	Sandy line rock 14	2183
Shele 6	816	Green sand and lime 5	2188
S'nd 30	846	Green send 3	2191
Send and shale 7	853	Green sandy shile 16	2207
Shrle 141	994	Groon sand 5	2212
Send 83	1077	Green sand and shale 14	2226
Send and shale 5	1082	Green shale 8	2234
Shele 64	1146	Shale 1	2235
Srnd 50	1202	Hard shale 5	2240
Shrlc 17	1219	Dork brown shale 40	2280
S'nd 23	1242	Sand 32	2312
Shelo 40	1282	Rock 24	2336
Sand 19	1301	Sandy shale 2 Sand 8	2338
Lime rock 48	1349		2346
Lime and said i	1550		2350
Shale 51	1401	Sr.nd 4 Sh le	2354
Sand 40	1411	Sn G =	2357 2361
Brown sindy shile 5	1440	Shale 3	2361 2364
Rock 15	1461	Send	2364 2368
Shelel		Shalo 19	2366 2387
Sand	1-166		
Sindy shale 5	1471	Sand 4 Shalc 9	2391 2400
Sand 19	1490		2400
Shrle 37	1527	Sand6 Shale8	2406
Sand 4	1531		2414
Shrle 8	1539		2420
Srnd 67	1606	Shale5 Rock	2425
Sendy shale 4	1610		2469
Shrle1	1611	Sendl	2470
Rock 24	1635	Gray sand and dark shale 7	2477
Sh-lel	1636	Shale 1	2478 2570
Rock 18	1654	Sandy shale 56	2536
Shrlcl.	1655	TOTAL DEPTH	2780
Srnd 101	1756	-	

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Table of Drillers' Logs, Burleson County--Continued

Driller's log of well E. D. Aharns farm.	167	Driller's log of well 198Conti Thickness	Depth
6 miles south of Caldwell.	1	(foot)	-
Thicknes	s Depth	Shale 11	
(fcet)	(fout)		584
Surface soil 10	; 10	Shalo 23	607
Laminated white and		Blue shell rock 1	803
yellow clay 50	60	Shale 16	624
Blue shile 100	160	Shell rock 3	627
Fine gray water send $$ 20	180	Shele 13	640
Broken shale and shells 210	390	Sand 3	643
Blue water stad 40	430	Shale 11	654
Dide with Bind	1 f 0 f 0	Sendy snalo 19	673
Deillorda los of will	169	Shile 2	675
Driller's log of well	3 20	Sand	678
F. Narek-Marok form.		Shile 4	682
$lo_{\overline{g}}^{1}$ miles east of Caldwell.			686
Clay 4	+		
Send 12	16	Shalo 12	693
Rod sand 6	22	Sc.nd	7:11
Hard sand 3	25	Sandy shale 15	716
Water sand 10	35	Shrla 6	722
Shale 27	62	Green sand and shale 3	725
Sand 36	98	Sandy shalo 4	729
Shale 2	100	Shr10 25	754
Sand 18	113	Sandy shr lo 7	761
Shrle 15	133	Sh: le	796
Sand 6	139	Send	805
Lignito 11	150	Shilo ind sind 8	813
Shrile	1 158	Shr 19 7	820
Lignito6	164	Schd 3	823
Shole7	171	Shrilo 1	824
Send 3	174	Sind 2	626
	197	Shale 15	841
Sand and shale 23	1 5	$\begin{array}{c} \text{Shifte} = 1 \\ \text{Green scale} = 1 \end{array}$	842
Send 27	224	Shale 1	843
Shr 1.0 10	254		844
Green sand 12	246		1
Rock 2	248	Sand and shale 4	848
Shr.le 17	265	Srnd 6	854
Rock 1	266	Shalo 3	857
Shale l	267	S.ni 41	898
Sand 9	276	Shalo 23	921
Shale 35	311	Sal	925
Shrle and rock 42	355	Shalo 41	966
Sand and shalo 2	355	Scni 4	970
Shalo 20	375	Shala 4	974
Shale and rock	414	Green sand and shalo 2	976
Groon sand and shale 6	420	Sandy shalo 21	997
Shale 26	-44£	Hard shile 5	1000
Sand 5	451	Sand 10	1010
Sh-le 11	462	Rock 1	1 1011
Sand 19	481	Brown soul and shale 1	1012
Shale 59	540	Brown sand 3	1015
Blue shell rock 1	541	Shile 17	1032
Shale	544 544	Scn' 9	1041
Blue shell rock l	545	Rock or boullers 1	1042
	1	Hard sand	1045
Shale	546	Send $ -$	1045
Bluc shell rock 3	549	Sand and shale 22	1040
Shale 2	551	Shile 7	1070
Blue shell rock 1	552		1
Sh^le 19	571	(Continue' on next page	1078
Bluc shell rock 1	572	I roomering on next pag)

Table of Drillers' Logs, Burleson County--Continued

$ \begin{array}{c cct} & \begin{tabular}{ crct} & $	Driller's log of well 198Conti		Driller's Log of well 198Continued Thickness Depth
Shele1027Send to builders1026Send to builders2159Bock or builders11066SteleStele52216Sard showing gas161131Lightide shule52263Sard showing gas161131Lightide shule52286Bard send71149Lightide shule62285Shule161123Rock12286Shule161123Total LEXAL2286Shule161123Total LEXAL2286Shule101227Shule12286Sand101227Sold yer217Shule101227Sold yer21Shule101227Sold yer21Shule101227Sold yer21Shule101227Sold yer21Shule101227Sold yer21Shule101237Sold yer21Shule101237Sold yer21Shule111403Sold yer21Shule111403Sold yer21Shule111403Sold yer21Shule111403Sold yer21Shule111403Sold yer21Shule111403Sold yer21Shule111403Sold yer21Shule111403Sold yer <t< td=""><td></td><td></td><td></td></t<>			
Book or bouldsres 1 1066 shels shels 2135 Shels 2233 Shels 2233 Shels 2234 Bard and - - 1140 1177 Dirillor's log of xoll 903 Shels 2284 Shels - - 5 1207 Dirillor's log of xoll 903 Shels 2284 Shels - - 5 1217 Dirillor's log of xoll 903 Shels 2284 Shels - - 6 1287 Soll 40 72 Shels 284 Shels - - 1287 Soll 40 72 Shels 74 Stad ref gerol 40 72 Shels 74 Stad ref gerol 40 72 Shels 74 Stad ref gerol 40 74			• • • •
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		11	
Sand aboring gass 16 1151 Lignites art63 2225 Bard sand 7 1147 Roby63 2225 Bard sand 7 1147 Roby63 2225 Bard sand 7 1147 Drillor's log of roll 203 2236 Sand 5 1203 Drillor's log of roll 203 2236 Sand			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		i 1	$\frac{11}{10}$
BardgendgendgendgendgendgendShale141177114711771141177117111011011010001173Sand112711111101011010001111100000111110000011111000001111100000Sand1111110000011111000001111100000111110000011111000001111100000Sand111110000011111000001111100000011111000001111100000011111000000Sand1111100000011111000000111110000000111110000000111110000000111110000000Sand11111000000000111110000000001111100000000001111100000000001111100000000000Sand11111000000000000000000000000000000000	Sand showing gas 10	11	$\frac{116}{1100} = \frac{1}{100} = \frac$
Total DSAL 16 163 TOTAL DSAL 2836 Shels 1177 Driller's log of no:1 203 Driller's log of no:1 203 Shels 1208 LayLs - 76x s Co., J. L. Youthin f'rm. Shels Shels 10 1227 Soft Soft Soft Shels 10 1227 Soft Soft Soft Soft Sand 10 1227 Soft			$\frac{11}{2286}$
$ \begin{array}{c} \sinh 1_{2^{$		É 1	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Water sand 10	11	IOTHI DILITI
Spale		11	Driller's log of well 203
$ \begin{array}{c} \mbox{gend} = $			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			
	Sand r r r r r r r r r r	(I	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Sond	1 i t	
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		i 1	
RockImage: Soft red clayImage: Soft red			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Bock		
Shale11470Clay and gravelCall and gravel60336Send		11	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1470	Clay and gravel 60 336
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1479	Hard shale 62 398
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1486	Hard shale and clay 70 468
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Rock 2	1498	Hard clay 42 510
Shale1502ShaleShale108774Sand41506Sand12735Shale	Shele 9	1497	Shale and sand rock 64 574
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Send 3	1500	Sandy sh. 10 93 666
Shale <th< td=""><td></td><td>1502</td><td></td></th<>		1502	
Rock21612Send end shie162992Shale231535Sand end shie9254Iron pyrites11536CAPING AUGURD: 925 feet92Sandy shale		1506	
Shale231535ShileShile24294Iron pyrites115561556CASING ECOUND: 925 feetSandy shale-1415504- inch stoll ensing.Shale and thin layers of55 feet4- inch stoll ensing.rock13016804Sand116334Rock116334Shale116334Shale31704Driller's log of well 205aHard sand31707N. R. Exploration Co., J. M. Fount inShale410, 1.Hard sand131805Red clayShale31724Bard sand131805Red clayShale3136Shale3136Shale3136Shale3136Shale11857Shale110Sand110Sand110Sand110Sand110Sand <td< td=""><td></td><td>4 1</td><td></td></td<>		4 1	
Iron pyrites11536CASING RECORD: 925 feetSandy shele-1415364 - inch stoll casing.Shale and thin layers of55 feet4 - inch stoll casing.rock-116834 - inch stoll casing.Sand216822 footRock-116634 - inch stoll casing.Sand116634 - inch stoll casing.Sand116634 - inch stoll casing.Sand116634 - inch stoll casing.Sand11663Hard sand31707N. R. Exploration Co., J. M. FountlinShale171774Hard sand181792Shale131805Shale13Shale14Sand11Shale14Sand14Sand14Sand14Sand14Sand1Sand1Sand1Sand1Sand<			
$ \begin{array}{llllllllllllllllllllllllllllllllllll$			
Shale and thin layers of rock			
rock1301680 $4 - inch serech.$ Sand2 footRock1Sand1Shale1Sand1Shale1Sand1		1550	
Sand			
Rock			
Sand		1 1	
Shale			4 - ipch set nipple.
Hard sand			Daillanto log of moll 9000
Shale <th< td=""><td></td><td></td><td></td></th<>			
Hard sand $ 42$ 1757 $15\frac{1}{2}$ miles northest of Caldwoll.Shale $ 17$ 1774 Rotary table $ 4$ 4Hard sand $ 18$ 1792 Surface soil $ 4$ 8Shale $ 35$ 1805 Red clay $ 24$ 32Sand $ 35$ 1838 Sand and growel $ 23$ 55Shale $ 36$ 1876 Soft brown shale $ 54$ 109Sand $ 38$ 1876 Soft brown shale $ 54$ 109Sand $ 38$ 1876 Soft brown shale $ 1$ 110Sandy shale $ 9$ 1896 Soft brown shale $ 14$ 124Send $ 9$ 1926 Soft brown shale $ 14$ 129Shale $ 9$ 1926 Soft brown shale $ 45$ 175Sand $ 9$ 1926 Soft brown shale $ 45$ 175Sand $ 9$ 1949 $1 - 940$ Soft brown shale $ 45$ 175Sand $ 9$ 1949 $1 - 940$ Soft brown shale $ 45$ 175Sand $ $			_
Shale		\$ (
Hard sand $$ 18 1792 Surface soil $$ 4 8 Shale $$ 13 1805 Red clay $$ 24 32 Sand $$ 35 1838 Sand and gr:vel 24 32 Shale 24 32 Sand and gr:vel 24 32 Sand 24 32 Sand and gr:vel 24 32 Sand 24 32 Sand and gr:vel 24 32 Sand 24 32 Soft brown shale 24 32 Sand 24 32 Soft brown shale 24 32 Sand 24 32 Soft brown shale 24 32 Sand 24 32 Soft brown shale 24 32 Sand 24 32 Soft brown shale 24 32 Sand 24 32 Soft brown shale 24 110 Sand 24 32 Soft brown shale 24 129 Shale 24 -24 1940 Soft brown shale 24 130 Sand -244 32 Soft brown shale -244 175 Sand -244 -244 1940 Soft brown shale 110 Shale -244 32 Soft some shale -244 175 Sand -244 32000 Soft brown shale -245 175 Shale -244 32000 So	$\frac{1}{2}$		
Shale 13 1805 Red clay 24 32 Sand 35 1838 Sand and gr:vel23 55 Shale 38 1876 Soft brown shale 24 109 Sand 38 1876 Soft brown shale 23 109 Sand		11	
Sand		24	
Shale		14	
Sand			Soft brown shale 54 109
Sandy shale $ -$ </td <td></td> <td></td> <td></td>			
Sand			
Shale - - 9 1926 Soft rock - - 130 Sand - - - 14 1940 Soft rock - - 1 130 Shele - - - 9 1949 Lyers of rock - 45 175 Sand - - - 10 1959 Brown shale, lignite, and - 32 207 Sand - - - - 32 2000 Sand some shell - - 11 218 Shale - - - 74 2074 Soft brown shale and shell - 11 218 Shale - - - 26 2100 Soft brown shale, shell, and 11 Shale - - - 21 2121 numerous thin layers of 12	Sand 21		
Sand			
Shele	Sand 14	1 1	
Sand 10 1959 Brown shale, lignite, and Shale 9 1968 some shale, lignite, and Sand 9 1968 some shale, lignite, and Shale 32 2000 Sand and some shale	Shele 9		1
Shale - - 9 1968 some shell - - 32 207 Sand - - - 32 2000 Send and some shell - - 11 218 Shale - - - 74 2074 Soft brown shale and shell - - 11 218 Sendy shale - - 26 2100 Soft brown shale, shell, and numerous thin layers of 293	Sand 10	1959	
Sand322000Sand and some shell218Shale742074Soft brown shale and shell75293Sandy shale262100Soft brown shale, shell, and numerous thin layers of293	Shale 9	1968	
Shale	Sand 32	2000	Send and some shell 11 218
Shele 21 2121 numerous thin layers of	Shale 74	2074	Soft brown shale and shell 75 293
	Sendy shale 26	2100	
rock 65 358	Shele 21	2121	
		I 12	rock 65 358

Driller's log of well 205a		tinuod Depth	Driller's log of well 205 Continued Thickness Depth
		(fcet)	
Hard gray shale and shell	000)	(1030)	Brown sticky shale and
boulders	40	398	sn.11 51 1161
Hord proked sond	3	401	Soft gr yich-brown sh La- 61 1222
Hard shale	11	412	Rock 1 1223
Hord prokod sind	2	-14	Soft snalo 18 1241
Soft gray shale	21	435	Rock 1 12 ± 2
Hard shale	10	445	Soft shilo 21 1263
Hard gray shale and			Horl sticky brown sh le
shell	20	465	with this layers of
Soft gray shelp and	W 1		rock 127 1331
shell	30	495	Rock 1 1392
Soft shale, thin layers of	0		H rd sticky sh 1 12 1404
brown sand, lignite, and			Rock £ 1496
rock	49	544	Herd sh le ad thin 1 yers
Soft shale	14	558	of rock 1. 1416
Srnd	10	568	Rock 1 1417
Brown shale, shell, and			H rd sticky shalo 4 1421
leyers of send	23	591	Soft sh lo 1. 1435
Soft blue shrle	11	602	Fino green water send and
Good water sind and			thin layers of shale 19 1454
lignite	$\overline{34}$	636	Hard rock 2 1456
Soft shale	6	642	Green sand 6 1162
Soft shile ind layers of	0		Green shale, sand, and
srnd	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 sint ina layers of
Soft shale	10	763	brown shale on: lignite- 5 1197
Hard shale	7	770	Soft brown shile 45 1540
Soft gray shale and thin			Lignite na layers of send
layers of sond	20	790	and brown shelp 9 1549
Soft gray shale, lignite			Soft brown shrle 13 1562
nd sr.nd	24	814	Water san1
Hard gray shale, shell,			Soft blue sh lo 82 1671
lignite and layers of			Reek 1 1672
hard sand	20	634	Soft brown shale 76 1748
Rock	2	836	Brown sind that she le $$ 8 1756
Soft gray shale and			
shell	10	646	Driller's log of sell 315
Rock	1	847	Gulf Const Utilities, bohimi
Soft gray shale and shell-	- 6	855	office of foregoing. In southeast
Rock	1	854	part of Sourvillo.
Hard shale, shall, and this			Sanly loan 30 30
layers of rock	21	875	Sand 10 40
Soft shale	22	897	Lignito 16 56
Hard sand	4	901	Clay 7 63
Soft gray shale and thin			Sand rock [68
lnyers of sind	45	9.46	Clay
Sendy and lignitic shala	27	973	Chalk 19 90
Shale, sand, and chocolate-			Clay 10 100
colored lignito	1-	987	Lignitu 8 108
Goed water send sud thin			Gumbo 40 148
layers of shale	<u>50</u>	1037	lignite 10 158
Rock	Ĩ.	1038	Shale 10 168
Fine gray sand and layers			Water sand 12 180
of shale	8	10:16	Shale ind clay 18 198
Soft brown or gray shala	65	1109	(Continued on next page)
Hard rock	1	1110	1

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Table of Drillors	Logs,	Eurleson CountyContinued		
Driller's log of well 315Contin		Driller's log of well 318		
Thickness		4		Depth
(feet)				(foet) 920
CASII G RECORD: 200 foet, 8 - incl	1	Sand and shale	40	920
casing with bottom 20 foot perfore	ntea.	Lignite, shale, and	5	000
160 feet, $l_{\overline{z}}^{1}$ - inch air line.	ł	vator sand	2	922
		Water sand	13	935
Driller's log of well 3		Sand and shalo	15	950
G. C. & S. F. Ry., Wolls No. 1 and			50	1000
Near roundhouse, $3/4$ - mile northe	east	Gummy shrlo	40	1040
of Somerville.		Gumbo and bouldors	10	1050
Clay 18	18	Tough gumbo	20	1070
Sand 6	24	Gummy shele	70	11.1()
Lignite and brown clay161	185	Gumbo	15	1155
Sand 15	200	Rock	2	1157
Blue gumbo	500	Sandy shilo	43	1200
Lignito6	506	Rotten shale	50	1250
Blue gumbo 94	600	Gumbo	20	1.270
Send 8	608	Lignito 'nl shale	35	1305
Gumbo	790	Brown gummy shale	55	1360
Sand 25	815	Brown gumbo	40	1400
CASING RECORD: 785 foot, 8 - incl	,	Rotton lignite and shale		145C
crsing. 49 feet, 8 - inch screen	•	Course bluck shale		1467
450 fect, l_{2}^{1} - inch air line.	1	Rotten shale	160	1627
		TOTAL DEFTH		1627
Driller's log of well 3	ť			
Burhem-Devis, R. A. Brantley No. 1	1.	Driller's log of		
1 - 1/4 mile east of Somerville.		M. M. Kr.uso fr.m. 2 - 3/4	- mila	S
Blue clay 9	9	east of Somerville.		
Gray and white water sand 6	15	Black sand	14	14
White sand 20	35	Water sind	27	41
Hard shale and flaky sand 7	42	Lignite	8	e£.
Broken send and shele 13	55	Packel sand	7	56
Lignite 2	57	Blue water sind	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 sen!	10	290
Sand and shale 23	193	Sand and shale	30	320
Shale and lignite 40	233	Sand	120	440 4
Gummy shale 3	236	Sticky shale and boullers-	20	460
Hard sand 20	256	Senl and shelo	30	- <u>∓</u> 90
Lignite and shale 20	276	Sticky shale	80	570
Sandy shale 62	338	Broken shelo	30	600
Lignite and pand 28	366	Shale	30	650
Gummy shale and sand 54	420	Sand and shale	20	650
Lignite and sand 20	440	Heri rock	1	651
Gummy shale and sand 20	460	Sandy shale	29	680
Gummy shale 85	545	Sticky shalo	5	685
Shr.le 85	630	Sand and shale	ç	3 ? ∉
Gummy shale and boulders 29	650	Sanly shele	56	750
Gummy shale 15	665	Gumbo	5	755
Send end shale 10	675	Water send	7	762
Sandy shale and gumbo 65	7·±0	Lignite and sonly shale	15	777
Lignito 2	742	Water stal	14	791
Water sand 18	760	Sticky shale	57	848
Sand and shale 40	800	Shels and lignits	15	863
Water sand 15	815	Sticky shale and bouliers-	12	875
Sand and shale 35	850		100	975
Sh-le 10	830	Shale and boullers	25	1000
Gummy shale 20	880	Gumbo	17	1017
-		(Continuel on next		
		,	- r' 't''	

Table of Drillers' Logs, Burleson County--Continued

$ \begin{array}{c} \mbox{Thickness Dopth} & \mbox{Thickness Dopth} & \mbox{Thickness Dopth} & \mbox{Thickness Dopth} & \mbox{Thickness Dopth} & \mbox{Thickness Dopth} & \mbox{Thickness Dopth} & \mbox{Thickness} & \$	Driller's log of well 319Conti	nuod.	Driller's log of well 322Continued
Shels <th< td=""><td></td><td></td><td>Thickness Dopth</td></th<>			Thickness Dopth
Shele <th< td=""><td></td><td></td><td>(faet) (feet)</td></th<>			(faet) (feet)
Gumbo 31022rock 902140Sticky shele 202160Buck art or all 202220Ktor and			Shale, sand, and lime
Sticky shele221060Blue artor sub-202160Water sub subders201160Sandy shele of 1165Sandy shele of 11652220Water sub-201165Freek sub-22240Water sub-201125Sticky shule caller -762316Uignite	Gumbo 3		rock 95 2140
Shele and bouldors 50 1100 Harl sont 1100 Harl sont 220 Tater sund			Blue trater stad 20 2160
The tor many			Harl son? $ 60$ 2220
Shele and boulders		1	
Lignite and sendy shale - 90 1185 Soft groun smither - 2 2240 Weter sund 15 1295 Sticky shale and smither - 78 2318 Gumbo sund run shile 40 1320 Sund, statey shale, and smither - 78 2395 Gumbo sund run shile 40 1320 Sund, statey shale, and - 78 2395 Meter sund 55 1355 Sund, statey shale, and - 78 2395 Sticky shale 15 1565 Sund, statey shale, and - 78 2395 Sticky shale 15 1585 Driller's log of coll 328 Driller's log of coll 328 Sticky shale 25 1512 Gunto 15 15 Sticky shale 27 1465 Sund, state or 13 41 Sticky shale 28 1512 Soft 13 41 Sticky shale 27 1544 Lignite 36 124 Sticky shale 27 1544 Lignite 36 124 Sticky shale 28 1820 Gury sund rock 46 124 Sticky shale 28 1820 Gury sund rock 46 124 Sticky shale 12 1565 Blue sund 36			rock =
The bar send			
Statey nucle			
Gumbo and chd shele 40 1350 Tough gumbo 78 2396 Water and 85 1355 Shal, sticy shale, 79 2475 Lignito and sondy shale 1 155 Shal, sticy shale, 79 2475 Sticky shale 1 156 Clay, chat of lepst at 2475 Sticky shale 71 166 Clay, chat of lepst at 2475 Sticky shale 71 166 Clay, chat of lepst at 2475 Sticky shale 71 166 Clay, chat of lepst at 2475 Sticky shale 71 166 Clay, chat of lepst at 286 Ferd and			
We tor send		1	
Lignite and sendy shale - 10 1365 lims stalls 78 2475 Lignite 6 1368 Driller's log of vell 326 Driller's log of vell 326 Sticky shale 73 1466 C. & S. f. Ry., cust of lapot at Salls Sticky shale 73 1466 C. & S. f. Ry., cust of lapot at Salls Sticky shale 73 1466 C. & S. f. Ry., cust of lapot at Salls Sticky shale 73 161 Salls Soll 13 41 Sticky shale 22 1512 Clay 13 23 23 Water sand 22 1517 Sanl 13 41 341 Stady shale 24 158 Blue saud rock 37 161 Send y shale 24 159 Blue saud rock 37 161 Send y shale 12 1650 Blue saud rock 37 161 Send y shale 22 1620 Brow and 37 161 Send rud shale 12 1655 Blue linestone 37 161 Send rud shale 16 1595 Blue linestone 32 290 Socpatone 10 27			
Lignito 3 1368 TCTAL DIFTH 2475 Sticky shale			
Sticky shale 151863 1423Driller's log of tell 526ClaySticky shale		1	
Shrle rnd boulders40 1423 Driller's log of cell 326 Lignits6 1423 G. G. & S. f. Ry., cust of lopot at Sticky shrle	Lignite 3	1	TCIAL DEFIE 12470
Lignita			
Sticky shale 37 1466 CLay. Lignite 11g miles cast of Somerville. 11g miles cast of Somerville. State and gumbo 16 1487 Scil 11g miles cast of Somerville. State and gumbo 1517 Clay 11g miles cast of Somerville. 15 State and gumbo 1517 Clay 11g miles cast of Somerville. 15 State and shale 2 1517 Gent 16 67 Lignito 12 156 Blue soul rock 7 74 State and shale 2 150 Blue soul rock 7 74 State shale 2 160 Blue soul rock 7 74 State shale 2 1693 Blue soul rock 7 74 State shale 1 1696 State rock 9 161 State shale 1 1695 State rock 9 197 State shale 1 1695 State rock 9 197 State shale 1 1695 State rock 9 197 State			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			• •
Shele and gumbo161497SoilSoil1615Sticky shele21512Clay1323Herd send21517Send	Sticky shale 37		
Sticky shale251512ClayClay1323Herd sond31515Rock341Shele21517Rock341Ignito and sond271544Lignito774Exter sond271544Blue sud rock774Stady shele241560Blue sud rock7164Sendy shele241680Gray sul rock37161Sendy shele221620Lignito37161Sendy shele71695Blue linestone3186Send			
Herd send 31515Rock 1341Shale 21517Send 1367Lignito and sand 271544Lignito 774Kter sand 211556Blue sand rock 1468Sandy shale 221690Blue sand rock 36124Send a shale 751691Lignito 36124Sendy shale 751695Blue sand rock 37161Sendy shale 751695Blue limeston 3186Sendy shale 751696Stal 3186Sticky shale 751701Gray stal rock 9197ToTAL DEPIH 151701Gray stal rock 3220T allse northerst of Somorville.Scapstone 10271Surface sand, sund rock, and fulner's earth 6060Scapstone 10Thile 's earth 6060Scapstone 10Sticky shale, gumbo, lig- and sandstone 15207Fine water sand 13Sticky shale, gumbo, lig- and sandstone 231102Scapstone 45Sticky shale, numbo, shalo, and sandstone 231102Scapstone 40Gumbo, shale and sandstone 231125Sater sand 40Mater sand , gumbo, shalo, and sandstone 7771862Keter sand , shale 231125Hard sticky srale, shale, gumbo, bouldors, and herd sral scale 7771862Sater sand scale		1487	
Herd sond 21517Rock 1341Shele 21517Senl 2667light to - d senl 211560Blue sud rock 774Water sand 241560Blue sud rock 36124Sendy shele 241560Blue sud rock 36124Sendy shele 221695Blue sud rock 36124Sendy shele 751695Blue sud rock 36124Sendy shele 751695Blue limestone 6169Sendy shele 751695Blue limestone 3186Sticky shele 51701Gray sul rock 9197TOTAL DEFTH 51701Gray sul rock 20217Northere send, sond rock, end100Gray sul rock 20217Tuller's earth 6060Socpstone 10271Surface send, sond rock, endBlue limestone 10271Tuller's earth 1575Socpstone 138420Sticky shale, gumbo, hardBlue limestone 10271shells end senistona 163963Lignite, thi socpstone - 10271Sticky shale, gumbo, shale,11020Water send 45633Water send, gumbo, shale,11020Socpstone 45636Water send, sundstona 231125Socthern Schorrl, J. 7. CoulterWater send, sundstona 771862 <td>Sticky shale 25</td> <td>1512</td> <td>Clay 13 28</td>	Sticky shale 25	1512	Clay 13 28
	Hard send 3	1515	Rock 13 41
Lignite and sund = = = = 271844Lignite = = = = 7774Water sund = = = = = 241856Blue sund rock = = = = 1468Sandy shile = = = = = 241850Gray sund rock = = = = 1468Sandy shile = = = = = 221820Lignite = = = = = 37161Sandy shile = = = = = 221820Lignite = = = = = 37161Sandy shile = = = = = 221820Lignite = = = = = 37161Sandy shile = = = = = 221920Sand = = = = = 37161Sandy shile = = = = = 51701Gray sund rock = = = = 31188Sticky shile = = = = = 51701Gray sund rock = = = = 29220Driller's log of well 522Scapstone = = = = 29220R. A. Rogors frm.1701Gray sund rock = = = = 29220Tiler's earth = = = 6060Scapstone = = = = 29249Fine water sund = = = = 1575Scapstone = = = = = 10271Rock = = = = = = 15120Boostone = = = = = 45225Sticky shale, and sunistona = = 613963Tater sund = = = = = = = 45225Sticky shale and sunistona = = 613963Tater sund = = = = = = = = = = = = 666067Water sund = = = = = = = 421005Water sund = = = = = = = = = = = = = = = 66613Water sund = = = = = = 231125Scapstone = = = = = = = = = = = = = = = = 66627Water sund = = = = = = = = 231105Water sund = = = = = = = = = = = = = = = = = = =		1517	
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Sandy shele $ 24$ 1580Blue sandBlue sand $ 36$ 124 Sendy shele $ 16$ 1598 Grey sull rock $ 37$ 161 Sendy shele $ 28$ 1620 Blue limestone $ 3188$ Sticky shule $ 1695$ 1695 1695 1695 Sticky shule $ 1695$ 1695 1695 Sticky shule $ 1701$ 30295 1977 TOTAL DEPTH $ 1701$ 30295 30295 217 Rock $ 1701$ 30295 30295 3229 Total prime 1701 30295 30295 30295 3229 Supface send, sund rock, and $ 606$ 30295 $30295006 29$ 249 Fine water send $ 6132$ 30295 $30295006 29$ 249 Fine water send $ 6132$ 3027 $30295006 10$ 271 Rock $ 1632$ 307 $30295006 60$ 420 Supface water send, gumbo, shilo 112966 1129166 112916666667 30295006		1556	
Srnd and shele181598Gray sul rock37161Send and shele221620Lights37161Send			Blue sand
Sandy shele 22 1620 Lignita 8 169 Srnd 75 1695 Blue limestono 16 185 Rock 1 1696 Still Still 169 Blue limestono 16 185 Sticky shele 1 1696 Still Still Still 169 188 Sticky shele Driller's log of well 322 Scapstone 20 217 Rock Rock Rock Scapstone 20 217 Rock Rock Scapstone 3 220 Soapstone 320 Scapstone 3 220 Soapstone 320 Scapstone 3 220 Surface sand, sund rock, and Blue limestone 10 271 fuller's earth 132 207 Fine water strl. 10 271 fuller, shale and gumbo, lig Inite, strl. 12 160 Scapstone 10 271 shalls and sanistone 132 207 Fine water strl. 138 420 Water sand, gumbo, shalo,<		1	
StadS			
Rock	Send a set a set a set a set a set a set a set a set a set a set a set a set a set a set a set a set a set a s	-	
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Driller's log of well 522Stopstone 20217TOTAL DEPIH 170Stopstone 20217Rock 3220TotAL DEPIH 3Stopstone 3220TotAL DEPIH 3Stopstone 3220TotAL source of the stop of well 522TotAL source of the stop of			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	DUICKY SHILE		
Driller's log of well 322Soapstone 29249". R. A. Rogors form.7Tiles northeast of Somorville.Soapstone 5254Surface sand, sand rock, andSoapstone 7261Surface sand, sand rock, andSoapstone 7261fuller's earth 6060Soapstone 10271Fune r's earth 1575Soapstone 10271Fine water sand 1575Soapstone 10282Fine packed water sand 143350Soapstone 45525Sticky shale, gumbo, lig- nite, sand, substone 613963Water sand 5613Water sand 421005Water sand 46636Water sand 737162Nater sand 1637Gumbo, shale and hard sand 7371862Driller's log of well 328Hard black shale 7371862Surface 5050Hard sand rock 342002Surface 75125Sticky shale and hard sand961968Surface 75125Sticky shale, hard sand961968Surface 75125Sticky shale, hard sand96202Sand and shale 75125Sticky shale, hard sand96202Sand and shale 75125Sticky shale, hard sand96202Sand and shale 75125Sticky shale, hard lime rock 382040Sticky shale 150480 <td>IVIAL DEPIR I</td> <td>TIOT</td> <td></td>	IVIAL DEPIR I	TIOT	
". R. A. Rogers form.Fine blue sent 5 254 7 miles northeast of Somerville.Surface send, and rock, andFine blue sent 7 261 Surface send, and rock, andSongstone 10 271 fuller's earth 6060Rock 11 282 Fine water send 1575Songstone 13 420 Fine packed water sent 143207Fine water sent 60 480 Fine packed water sent 143350Songstone 45 525 Sticky shale, gumbo, lig- nite, sendy shale, hard shells and sondstone 42 963 Water sent 5 613 Water send, gumbo, shale, and sendstone 15 963 Water send 4 636 Water send 23 1020 Songstone and send 1 637 Gumbo, shale 23 1102 Rock 1 638 Hard sticky sendy shale, gumbo, boulters, and herd send rock 737 1862 Driller's log of well 328Southern Scaberrd, J. 7. Coulter No. 1. 12, miles northeast of Somerville.Surface 75 125 Sticky shale, hard send gumbo, boulters, and herd send rock 38 2040 Sticky shale 205 330		19	
7 miles northerst of Somorville. Blue limestone 7 261 Surface send, send rock, end Scapstone 7 261 fuller's earth 60 60 Rock 10 271 fuller's earth 15 75 Scapstone 138 420 Fine water send 143 207 Fine water send 60 480 Fine packed water send 143 350 Sorpstone 60 480 Sticky shale, gumbo, lig- 11 11gnite, and sonistone - 613 963 water send, sendistone 613 963 Water send 5 613 water send, gumbo, shale, 11gnite, and sonpstone - 19 632 ' and sandstone 61 963 Water send 6 647 Water send 75 1020 Water send 11 647 Gumbo, shele ond hard 1102 Southern Scabernd, J. 7. Coulter 1686 Hard black shele 737 1862 Driller's log of well 328 Southern Scabernd, J. 7. Coulter herd send rock 737 1862 Surface 75 125 Sticky shele and herd send 1968 Surface 75 125		а С	
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Lignite, shale and gumbo - 132 207 Fine water seri 60 480 Fine packed water seri 143 350 Sompstone 60 525 Sticky shale, gumbo, lig- nite, sandy shale, hard shells and sandstone 613 963 Water sand 60 525 Water sand, gumbo, shale, - and sandstone 742 1005 $Vater sand 5613Water sand 421005Vater sand 5613Water sand 421005Vater sand 4636Water sand 421005Vater sand 4636Water sand 421005Vater sand 4636Water sand 421005Vater sand 4636Water sand 231102Soapstone and sand 11647Water sand 231125Nock 1688Hard black shele 231125Nock 5050Hard sticky sendy shale,gumbo, boulders, andherd send rock 341968Surface 5050Sticky shale and hard send - 961968Surface 505050Sticky shale, hard sendrock, and lime rock 382040Sticky shale 50330$			
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nite, sandy shale, hard shells and sandstone 613963lignite, and socpstone - 83608Water sand, gumbo, shale, and sandstone 42963Lignite and socpstone - 19632Water sand 421005Water sand 4636Water sand 151020Water sand 11647Gumbo, shale and hard sand 821102Nater sand 40687Hard black shale 231102Rock 40687Hard sticky sandy shale, gumbo, boulders, and herd sand rock 341102Driller's log of well 328Southern Scabourd, J. 7. Coulter No. 1. 12, miles northeast of Somerville.Southern - 5050Sticky shale and hard sond - 961968Surface 5050Hard send rock 342002Sand 75125Sticky shale, hard sond - 96Sticky shale 50330Hard send rock 342040Sticky shale 150480		350	
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Gumbo, shele and hard sand 821102 1102Water sand 40687 688Hard black shele			
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Hard black shale 231125Hard sticky sandy shale, gumbo, boulders, and hard sand rock 7371862Fossils and shells 7371862Sticky shale and hard sand- 961968Hard sand rock 342002Sticky shale, hard sand rock, and lime rock 382040Sticky shale 150480			
Hard sticky sendy shale, gumbo, boulders, and herd send rock 737Driller's log of well 328 Southern Scebourd, J. 7. Coulter No. 1. 12, miles northeast of Somerville.Fossils and shells 101872 1862Southern Scebourd, J. 7. Coulter No. 1. 12, miles northeast of Somerville.Sticky shale and hard sond- 96 Hard sond rock 341968 2002Surface 50 Sand 7550 125 330 480	sand 82	1102	Rock 1 688
gumbo, boulders, and hard send rock 737Southern Scaberrd, J. V. Coulter No. 1. 12, miles northeast of Somerville.Fossils and shells 101862Fossils and shells 101872Sticky shale and hard sond- 961968Hard send rock 342002Sticky shale, hard sond rock, and lime rock 382040Sticky shale 150480	Hard black shrle 23	1125	
herd send rock 7371862No. 1. 12, miles northeast ofFossils and shells 101872Somerville.Sticky shale and hard sond- 961968Surface 5050Hard send rock 342002Sand 75125Sticky shale, hard sondSurface 205330rock, and lime rock 382040Sticky shale 150480	Hard sticky sendy shale,		
Fossils and shells 10 1872 Somerville. Sticky shale and hard sond- 96 1968 Surface 50 50 Hard sond rock 34 2002 Sand 75 125 Sticky shale, hard sond 38 2040 Sticky shale 150 480	gumbo, boulders, and		
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Sticky shale and hard sond- 96 1968 Surface 50 50 Hard sond rock 34 2002 Sand 75 125 Sticky shale, hard sond Sand and shale 205 330 rock, and lime rock 38 2040 Sticky shale 150 480		1872	
Hard send rock 34 2002 Sand 75 125 Sticky shale, hard send Sand end shale 205 330 rock, and lime rock 38 2040 Sticky shale 150 480			
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rock, and lime rock 38 2040 Sticky shale 150 480		~	
		2040	
		1	

-31-

Table of Drillers' Logs, Burleson County--Continuel

Driller's log of well 328C Thickn	ontinucl css Depth	Driller's log of well 329Con Thickness	
	t) (feet		(feet)
•	0, 540	Sticky tough shale 48	486
	9 969	Brown and blue shale 19	505
Shr.le 28	6 1255	Blue shale 50	555
	2 1257	Shale and sand 45	600
	5 1262	Water sand 61	661
	8 1280	Hard dry sand 142	803'
	.8 1298	Sticky shale 105	908
	7 1375	Sandy shale 213	1121
	2 1377	Sandy shale 69	1190
Sand and shale 1	0 1387	Sand and boulders 44	1234
	1 1388	Hard dry shale 105	1339
Sticky shale 2	3 1411	Sand 17	1356
Shale	4 1415	Water sand 36	1392
	5 1420	Dry sand 12	1404
011 = 4	0 1490	Sticky shale 96	1500
Sticky shale 1	0 1500	Sticky shale and sand 57	1557
Sticky shale and lime		Sticky shale 10	1567
shells 21		Sandy shale 92	1659
Gummy shale 20	2 1920	Brown sticky shale 1	1660
Sticky shale and lime		Water sand 45	1705
streaks 24			1
Sticky shale 12		Driller's log of well 3	
	0 2330	J. H. Baker farm. 9 miles north	ecst
Solet-1,	6 2336	of Somerville.	
Shale 32	24 2660	Surface clay and lime	
Sticky shale and limo	0.000	rock 20	20
shells 16	1	Broken lime and sand 22	42
	6 2874 6 2880	Sandy shale	75 95
		Water sand 20 Shaly gumbo 41	95 136
0110 20	1	Sandy gumbo 59	195
	2 2983 6 2994	Sandy gambo 2	195
	2394	Blue gunbo $ -$ 123	320
	5 3030	Sindy gumbor 50	370
$\begin{array}{c} Hard fine = = = = = = = = = = = = = = = = = = =$	1	Sandy shale	400
Sticky shalo 13	1	Gumbo and gypsum 20	420
	5 3345	Shale 40	460
Send	5 3250	Tough gypsum ind gumbo 39	499
	0 3380	Hard lime cap 1	500
	5 3443	Brokoe sand and brown	, i i i i i i i i i i i i i i i i i i i
	0 3505	sh. le 12	512
Shrle 53		Water sand 18	530
	1 4078	Gumbo 30	560
Sandy shale	2 4080	Gypsum nd gunbo 15	575
	6 4086	Sandy shale 5	580
	1 4107	Black shale 10	590
Sandy shale 13	3 4240	Gummy sh lo 30	620
Lime rock	2 4242	Tough gumbo nd gypsum 115	735
		Broken sand rock 5	740
Drillcr's log of wel	1 329	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 Somervil		Srndy gumbo 50	900
S 	6 46	Tough gumbo 26	926
Q	9 75	Sandy gumbo 49	975
Sticky blue shrlc 16		Blue sandy shale 25	1000
Shale and hard sand 12	•	Packed sand 17	1017
Dry sand 6	6 438	Lime rock 1	1018
		(Continued on next page)	

Table of Drillers' Logs, Burleson County--Continued

Thickness DepthThickness Depth(feet)(feet)Scnd	Driller's log of well 335-			Driller's log of well 335Cont	
Imme cap $ 6$ 1023 $3cm^2$					
Turney send Sendy shale Gambo and streaks of Sandy shale - 40 1083 aray shale 7 2007 Water send - 50 1120 Driller's log of well 34; 2007 Water send - 1135 J. S. Elsts, Frank J. Fojt, behind 34; Hard sen yellow sand rock - 1 1135 J. S. Elsts, Frank J. Fojt, behind Conglomerste and shale 20 1265 Sand senter, Sand 27 27 Conglomerste and shale 20 1265 Sand senter, Sand 28 27 27 Sand and shale - 2 1267 Bard senter rock 28 203 Gumbo dels - 2 1300 Hard shale 20 300 Gumbo dels - 2 1300 Hard shale 2 233 Gumbo dels - 20 1300 Hard shale 2 233 Gumbo and gamay shale - 10 1660 367 841				(ICCT)	
Sendy shale 40 1000 Srnoy Sh.k. Srnoy Sh.k. 7 2097 Water send 7 1090 107AL DATH 2097 Water send 1134 Driller's log of toll 344 2097 Water send 1135 Frider's log of toll 344 2097 Water send 1135 Frider's log of toll 344 2097 Gunboon 7 1206 Surface scil, Frank J. Folt, behind Gunboon 7 1206 Surface scil, Frank J. Folt, behind Gunboon 7 1206 Surface scil, Frank J. Folt, behind Gunboon 10 1205 Surface scil, Frank J. Folt, behind Gunboon 1136 Frider's log of toll 344 Bile Bard shele 2 1205 Surface scil, Frank J. Folt, behind Gunboon 1287 Soft shile 1205 Surface scil, Frank J. Folt, behind Gunbo - 13 1850 Gunbo - 1283 Soft shile 1205 Gunbo - 13 1850 Gunbo - 2282 304 <td>Lime cap</td> <td></td> <td></td> <td></td> <td>202/±</td>	Lime cap				202/±
Shale	Cummy sand		l i		0.100
Transh gumbo	Sandy shale	-	1 (sinoy shild $ -$ 73	
Tough gumbe 14 1135 Driller's leg of well 344 Hard oprok 1 1135 Tough gumbo 1 Tough gumbo 70 1806 Tough state, frank J. Fojt, behind Gumbo 1 125 Surface soll	Shale	•	t 1	TOTAL DEFIR I	2097
Hard valley or sand rock	Water sand	-	1 1		
Tandy gumbo 1 1186 Fojt Store, Chock, Texas. Tough gumbo 1205 1205 Surface soil 27 27 Conglomerate and shale 20 1225 Surface soil 27 27 Rand increate and shale 20 1225 Surface soil 27 27 Sand and shale 20 1255 Blue sand, gurvel, and 20 Bard sine rock 21257 Bulue sand, gurvel, and 20 Gummy shale 10 1267 Soft shale 20 Gumbo and gummy shale 20 1300 Hard shale 20 330 Gumbo and gummy shale 13 1360 Soft shale 33 230 Gumbo and gumbo and gypsun 45 1443 Soft shale 20 36 Tough gumbo and gypsun 45 1443 Soft shale 40 429 Gumbo boulders 28 165 Shale 40 499 Gumbo and gypsun 16 1643 Gumbo and boulders 56 422 Gumbo boulders 28 1518 Bererm sticky shale	Tough gumbo		1 1		
Tough gumbo	Hard cap rock				a
$ \begin{array}{c} \operatorname{Gumbo} & 19 & 1225 \\ Conglomerato end shale - & 20 & 1245 \\ \operatorname{Sand end shale & 6 & 1257 \\ \operatorname{Sand end shale & 6 & 1257 \\ \operatorname{Hard shale & 6 & 1257 \\ \operatorname{Hard shale & 6 & 1257 \\ \operatorname{Hard shale & 6 & 1257 \\ \operatorname{Gummy shale - & - & 13 & 1267 \\ \operatorname{Gummy shale - & - & - & 13 & 1267 \\ \operatorname{Gummy shale - & - & - & 13 & 1267 \\ \operatorname{Gummy shale - & - & - & 13 & 1267 \\ \operatorname{Gummy shale - & - & - & 13 & 1267 \\ \operatorname{Gummy shale - & - & - & 13 & 1267 \\ \operatorname{Gummy shale - & - & - & 13 & 1267 \\ \operatorname{Gummy shale - & - & - & 10 & 1360 \\ \operatorname{Gumbo - & - & - & 20 & 1300 \\ \operatorname{Gumbo - & - & - & 20 & 1300 \\ \operatorname{Gumbo - & - & - & 22 & 292 \\ \operatorname{Shale - & - & - & - & - & 40 & 1360 \\ \operatorname{Gumbo - & - & - & 22 & 304 \\ \operatorname{Gumbo - & - & - & - & 40 & 1403 \\ \operatorname{Gumbo - & - & - & 20 & 1473 \\ \operatorname{Gumbo - & - & - & 20 & 1473 \\ \operatorname{Gumbo - & - & - & - & 10 & 1433 \\ \operatorname{Gumbo - & - & - & - & 10 & 1433 \\ \operatorname{Gumbo - & - & - & - & 10 & 1433 \\ \operatorname{Gumbo - & - & - & - & 10 & 1433 \\ \operatorname{Gumbo - & - & - & - & 10 & 1433 \\ \operatorname{Gumbo - & - & - & - & - & 10 & 1433 \\ \operatorname{Gumbo - & - & - & - & - & 10 & 1555 \\ \operatorname{Gumbo - & - & - & - & 1 & 1551 \\ \operatorname{Gumbo - & - & - & - & - & 1 & 1551 \\ \operatorname{Gumbo - & - & - & - & - & 1 & 1551 \\ \operatorname{Gumbo - & - & - & - & - & 1 & 1551 \\ \operatorname{Gumbo - & - & - & - & - & 1 & 1551 \\ \operatorname{Gumbo - & - & - & - & - & 1 & 1551 \\ \operatorname{Gumbo - & - & - & - & - & - & 1 & 534 \\ \operatorname{Gumbo - & - & - & - & - & - & 1 & 1551 \\ \operatorname{Gumbo - & - & - & - & - & - & 1 & 554 \\ \operatorname{Gumbo - & - & - & - & - & - & 1 & 554 \\ \operatorname{Gumbo - & - & - & - & - & - & 1 & 554 \\ \operatorname{Gumbo - & - & - & - & - & - & 1 & 554 \\ \operatorname{Gumbo - & - & - & - & - & - & 1 & 554 \\ \operatorname{Gumbo - & - & - & - & - & - & 1 & 554 \\ \operatorname{Gumbo - & - & - & - & - & - & 1 & 554 \\ \operatorname{Gumbo - & - & - & - & - & - & - & 1 & 554 \\ \operatorname{Gumbo - & - & - & - & - & - & - & 1 & 554 \\ \operatorname{Gumbo - & - & - & - & - & - & - & - & 1 & 554 \\ \operatorname{Gumbo - & - & - & - & - & - & - & - & 1 & 554 \\ \operatorname{Gumbo - & - & - & - & - & - & - & - & - & - $	Hard yellow sand rock		1 3		
Conglomerate and shals - 20 1245 Sand	Tough gumbo		1		
Herd lime rock21247Herd blos send40125Sand and shale-61255Blue sand, gravel, and188Bard sand rock-11255Blue sand, gravel, and189Sandy shale-11267Soft shile-16Oumpy shale-11260Gunbo-2206Tough gunbo201300Hord shile-2206Sand, shale101360Soft shile-2206Sand, shale101360Soft shile-2206Tough gunbo401400Tater sand and bouldars6428Tough gunbo61473Blue shile-10432Gunbo bulders101433Gunbo10432Gunbo chiders101433Gunbo10432Gunbo chiders1512Brown sticky shile-490Gunbo chiders-101555Gouto -1366564Gunbo chiders-11555Gouto -1363564Gunbo chiders-11565Gouto -16579Shile-11565Gouto -16562Gunbo chiders-11565Gouto -16562Gunbo					
Sand and shale 8 1257 Blue sand, gervel, and 168 Hard sand rock 2 1257 boulders 63 168 Ourmy shels 13 1257 Gumbe 2 205 Tough gumbe 20 1300 Hard shele 2 205 Sandy shels 10 1280 Gumbe 2 205 Sand, shells, and Gumbe 22 204 shele 10 1360 Soft shele 22 292 Gumbe 20 1300 Soft shele 22 292 Sadd, shells, and Gumbe 22 204 Tough gumbe 30 1473 Blue shele 22 204 Tough gumbe 30 1473 Blue shele 10 438 Gumbe 23 1611 Brown sticky shele 10 438 Gumbe 10 1433 Gumbe 25 533 Gumbe 11 1516 Shele 12 534 Gumbe 13 1655 Reck 13 534 Gumbe 15 1616 Shele 13 534			1 1		
Hard sand rock21257bouldarsbouldars63183Sandy shele101267Soft shale16204Ourmy shale201300Hard shale33239Gurbo and gunmy shale501360Soft shale31230Sand, shells, and101360Soft shale22303Tough gunbo101360Soft shale22304Tough gunbo101360Soft shale22304Tough gunbo101463Soft shale23366Tough gunbo101473Blue shale40432Gunbo buldars281511Brown sticky shale40490Gunbo culdars11512Gunbo -25366Tough gunbo11512Gunbo -10433Gunbo culdars291555Reck19333Gunbo culdars101565Gunbo -2366Gunbo culdars101565Gunbo -2366Gunbo culdars151580Shale19602Schdy shale11561Gunbo -2366Gunbo culdars51635Soft shale19602Gunbo culdars51635Soft shale19602Gunbo culdars51635Soft shale19602Gunbo culdars51635Soft shale19632Gunbo cul			1 1		125
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Tough gumbo 20 1300 Hard shele 33 239 Gurbo and gummy shele 50 1360 Soft shele 22 230 Sand, shells, and 40 1400 Tater sand and boulders - 62 366 Tough gumbo 30 1473 Blue shele 10 432 Gurbo boulders 30 1473 Blue shele 10 432 Gumbo boulders 30 1473 Blue shele 10 432 Gumbo boulders 30 1473 Blue shele 10 432 Gumbo boulders 39 1511 Brown sticky shele 32 564 Sendy shele ind shells - 10 1656 Gumbo 19 533 Gumbo and gypsun 15 1560 Shele 32 366 Gumbo and gypsun 15 1565 Rock 1 534 Gumbo and gypsun 15 1560 Shele 32 366 Gumbo	Sandy shale) i	Soft shale 16	
Gurbo and gummy shala 50 1360 Soft shale 21 230 Sand, shells, and 10 1360 Soft shale 22 982 Tough gumbo	Gummy shale	13	i 1	Gumbo 2	
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shcle 10 1360 Soft shcle 22 304 Tough gunbo 40 1400 Tator sond and boulders 62 366 Tough gunbo 30 1473 Blue shcle 10 432 Gunbo boulders 10 1433 Gurbo 10 432 Gunbo 11 Brown sticky shcle 40 490 Gunbo 11 1612 Gunbo 10 432 Gunbo 11 Brown sticky shcle 40 490 Gunbo 11 1612 Gunbo 19 533 Gunbo 11 1655 Rock 32 566 Gunbo 11 1561 Gunbo 12 533 Gunbo 11 1565 Rock 16 584 Gunbo 12 1665 Gunbo 16 584 Gunbo 14 1665 Wibo 16 584 Gunbo 15 1700 Gunbo 19 606 Tough gunbo 15 1700 Gunbo	Gurbo and gummy shale	50	1350	Soft shale 21	-
Tough gumbo 40 1400 "Ator sand and boulders - 62 366 Tough gumbo 30 1443 Soft shile and boulders - 66 422 Tough gumbo 30 1473 Blue shile 10 432 Gumbo boulders 10 1483 Gumbo 16 450 Tough gumbo 28 1511 Brown sticky shile 40 490 Gumbo 28 1511 Brown sticky shile 40 490 Gumbo 28 1511 Brown sticky shile 40 490 Gumbo 28 151 Gumbo 284 514 Sendy shile - 1 1555 Rock 19 533 Gumbo and shile - 1 1755 Rock 18 534 Gumbo 29 1580 Shile and rock 19 606 Water sand 20 536 Gumbo 20 633 Tough gumbo 15 1700 Gumbo 19 605 Tough gumbo 15 1701 Gumbo 14 646 Sticky shile 14 647 Sticky shile 14 647 Sticky gumbo 50 1665 Water sand - 1 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
Tough gumbo and gypsun - 43 1443 Soft shale and boulders - 56 422 Tough gumbo 30 1473 Blue shale 10 432 Gumbo boulders 10 1433 Gumbo 16 450 Tough gumbo 28 1611 Brown sticky shale 40 490 Gumbo 28 1612 Gumbo 24 514 Send, shale, and shells - 4 1516 Shale 32 565 Gumbo and gypsum 15 1680 Shale 32 566 Gumbo and gypsum 15 1680 Shale 32 566 Gumbo 39 1555 Reck 32 566 Gumbo 1 1680 Shale		10	1360		
Tough gumbo	Tough gumbo	40	1		
Cumbo boulders 10 1483 Gumbo 16 450 Cumbo 28 1511 Brown sticky shale 40 490 Gumbo 28 1512 Gumbo 24 514 Srnd, shale, 'nd shells - 1 1512 Gumbo 24 514 Gumbo and gypsum 10 1655 Gumbo 25 566 Gumbo and gypsum 15 1680 Shale 25 366 Gumbo 1 1681 Gumbo 2 586 Gumbo 1 1681 Gumbo 2 586 Gumbo 9 1590 Stale and rock 4 590 Shale and fossils 50 1685 Water stald 20 632 Gumbo 23 1723 Sticky shale 14 646 Srady gumbo 25 1770 Gumbo 14 647 Srady gumbo 25 1777 Blue flint 2 363 Sticky shale 10 1733 <		43	1443		
Tough gumbo 28 1511 Brown sticky shile 40 490 Gumbo 1 1512 Gumbo 21 514 Send, shale, 'nd shells 4 1516 Sh.le	Tough gumbo	30	1473		
Gumbo 1 1512 Gumbo Gumbo 24 514 Sendy shele 39 1555 Rock 19 533 Gumbo and shele 10 1655 Gumbo 366 Gumbo and gypsum 10 1655 Gumbo 366 Gumbo and gypsum 1 1581 Gumbo 366 Gumbo and gypsum 1 1581 Gumbo 367 Sundy shele - 9 1580 Shele - 2 586 Tough gumbo - - 9 1580 Staf rock - 4 59') Sondy gumbo - - 50 1685 Weter stand - 20 632 Tough gumbo - - 1635 Sticky shele - 14 646 Srhole shells rd rd rd 797 Blue flint - 2 661 Tough gumbo rd shele		10	1483		
Gumbo 1 1512 Gumbo Gumbo 24 514 Sundy shnle 1 1516 Sh.le 19 533 Gumbo and shnle 10 1565 Rock 19 534 Sundy shnle ad shnle 10 1565 Gumbo 32 566 Gumbo and gypsum 11 1580 Shnle 32 566 Gumbo and gypsum 1 1580 Shnle 32 566 Gumbo and gypsum 1 1580 Shnle 32 566 Gumbo and forsit shnle 10 1763 Shnle 10 336 Tough gumbo and 10 1733 Rock 10 11 647 Shnle shnle and 10 1733 Rock 11 647 Shnle shnle and 10 1770 Blu flint 611 Tough gumbo and <td< td=""><td>Tough gumbo</td><td>28</td><td>1511</td><td>Brown sticky shale 40</td><td>490</td></td<>	Tough gumbo	28	1511	Brown sticky shale 40	490
Gumbo and shale	Gumbo	1	1512	Gumbo 24	
Sandy shale and shalls = 10 1565 Gumbo ======= 32 566 Gumbo ======= 15 1580 Shale ====== 18 584 Gumbo ====== 1 1581 Gumbo ====== 2 586 Water sand ====== 9 1590 Staff rock ======= 20 629 Gumbo ====== 50 1685 Water sand ====== 20 629 Gumbo ====== 15 1703 Gumbo ====== 20 629 Gumbo ===== 10 1733 Sticky shale ====== 1 647 Shale shalls, and sand== 12 1745 Sticky shale ====== 12 659 Sandy gumbo rad shale === 25 1777 Blue flint ==== 2 647 Tough gumbo rad fossils== 30 1805 Gumbo ====== 1 798 Soft pink shale ===== 5 1805 Rock ======= 1 798 Hard coarse shale===== 5 1805 Soft shale ====== 1 798 Gumbo ====== 5 1900 Gumbo ======= 1 790 <td>Sand, shale, and shells</td> <td>4</td> <td>1516</td> <td>Shele 19</td> <td>533</td>	Sand, shale, and shells	4	1516	Shele 19	533
Gurbo and gypsum 15 1580 Shale 18 584 Gurbo 1 1581 Gumbo 2 586 Water sand 9 1590 Sand rock 2 586 Shale and fossils 45 1635 Soft shale 19 609 Gumbo 50 1685 Water sand 20 629 Gumbo 15 1700 Gumbo 3 632 Tough gumbo 23 1723 Sticky shale 3 632 Sandy gumbo 25 1770 Gumbo	Gumbo and shale	39	1555	Rock 1	
Gumbo 1 1581 Gumbo Gumbo 2 586 Vater sand 9 1590 Sand rock 1 609 Shale and fossils 50 1635 Soft shalo 19 609 Tough gumbo - 50 1685 Weter stad 20 629 Gumbo - - 15 1700 Gumbo - 14 646 Srndy gumbo - - 10 1733 Rock - 12 632 Sticky shala - - 14 646 647 647 Sticky gumbo - - 10 1733 Rock - 12 652 Sticky gumbo and shale - 25 1777 Blub flint - 26 647 Tough gumbo - - 55 1805 Rock - 1798 Soft pink shalo - - 55 1805 Shalo and bouldors - 977 Soft pink shalo - - 55 1805 Shalo and	Sandy shale and shalls	10	1565		3 66
Water sind 9 1590 Send rock 4 590 Shale and fossils 45 1635 Soft shale 19 609 Tough gumbo 50 1685 Water sind 20 639 Gumbo 15 1700 Gumbo 3 632 Tough gumbo 23 1723 Sticky shale 14 646 Srady gumbo 25 1770 Blus flint 12 659 Sandy gumbo and shale - 25 1770 Blus flint 2 661 Tough gumbo 5 1805 Rock 1 647 Tough gumbo 5 1805 Rock 1 708 Soft pink shale 5 1805 Rock 1 708 Soft pink shale 5 1805 Rock 1 708 Soft pink shale 5 1805 Rock 1 708 Brown water sind 5 1805 Soft shale 4 846 Brown water sind 5 1906 Soft shale 4 843 Gumbo 5 1945 Hard rock 17 900 Burown shale and shalt 5	Gumbo and gypsum	15	1580		
Sinle and fossils 45 1635 Soft shale 19 609 Tough gumbo 50 1685 Weter sind 20 629 Gumbo 15 1701 Gumbo 3 632 Tough gumbo 15 1701 Gumbo 14 646 Sendy gumbo 10 1733 Reck 14 647 Shele, shells, and sand - 12 1745 Sticky shale 2 661 Tough gumbo and shale 25 1770 Blue flint 2 661 Tough gumbo and shale 55 1805 Gombo 46 707 Tough gumbo and shale 55 1800 Gumbo 42 661 Tough gumbo 55 1805 Rock 1 798 Soft pink shale 55 1800 Gumbo 42 846 Brown water sind 51 1900 Gumbo 42 846 Gray water sind 51 1945 Hard rock	Gumbo	1	1581		
Tough gumbo 50 1685 Weter sind 20 629 Gumbo 23 1700 Gumbo 3 632 Tough gumbo 23 1723 Sticky shile 14 646 Sindy gumbo 10 1733 Reck 12 647 Shile, shells, and sind - 12 1745 Sticky shile 12 659 Sindy gumbo and shile 25 1770 Blue flint 23 661 Tough gumbo and shile 25 1770 Blue flint 23 661 Tough gumbo and shile 25 1805 Rock 46 707 Tough gumbo 50 1805 Rock 46 707 Soft pink shelb 51 1805 Rock 42 846 Brown water sind 51 1805 Soft shilt 42 846 Brown water sind 51 1900 Gumbo 42 846 Brown shile and shile 51 1940 Gumbo 17 900 Gumbo 51 1940 Gumbo 17 901 Shale and shile 51 1955 Hard rock 13 903 Brown	Water sand	9	1590		
Gumbo 15 1703 Gumbo Gumbo 3 632 Tough gumbo 23 1723 Sticky shele 14 646 Sandy gumbo 10 1733 Reck 1 647 Shele, shells, and sand 12 1745 Sticky shele 1 647 Sandy gumbo and shele 25 1770 Blue flint 1 2 659 Sandy gumbo and fossils 30 1805 Rock 1 707 708 Tough gumbo - - 5 1805 Rock - 1 707 Tough gumbo - - 5 1805 Rock - 1 708 Soft pink shalp - - 5 1805 Rock - 90 796 Hard coarse shalo - 40 1900 Gumbo - 43 983 Gray water stad - 34 1940 Gumbo - 17 900 Gumbo - - 5 1945 Hard rock -		45	1635	Soft shale 19	60ର
Tough gumbo 23 1723 Sticky shile 14 646 Sendy gumbo 10 1733 Reck 1 647 Shele, shells, and sand 12 1745 Sticky shale 1 647 Shele, shells, and sand 12 1745 Sticky shale	Tough gumbo	50	1685		629
Sindy gumbo 10 1733 Reck Reck 1 647 Shele, shells, and sand 12 1745 Sticky shale 12 659 Sandy gumbo and shele 25 1779 Blub flint 1 2 661 Tough gumbo and shele 30 1800 Gumbe 1 707 Blub flint 2 661 Tough gumbo and fossils 30 1800 Gumbe 1 708 361 Soft pink shelp - 5 1805 Rock - 90 798 Soft pink shelp - - 55 1805 Rock - 90 798 Brown water sind - - 5 1900 Gumbo - 42 840 Brown water sind - - 5 1940 Gumbo - 17 900 Gumbo - - - 5 1945 Herd rock - 1901 Brown shile and shilt - 5 1955 Hard rock - 1904 903 <t< td=""><td>Gumbo</td><td>15</td><td>170)</td><td></td><td>632</td></t<>	Gumbo	15	170)		632
Shrle, shells, and sand - 12 1745 Sticky shale - 12 659 Sandy gumbo and shale 25 1779 Blue flint - 2 361 Tough gumbo and fossils - 30 1800 Gumbe - 46 797 Tough gumbo and fossils - 30 1800 Gumbe - 46 797 Tough gumbo - 5 1805 Rock - 90 796 Soft pink shale - - 50 1860 Shale and boulders - 90 796 Hard coarse shale - - 40 1900 Gumbo - 42 846 Brown water sand - - 6 1906 Soft shale - 43 383 Gray water sand - - 5 1940 Gumbo - 17 900 Gumbo - - - 5 1945 Hard rock - 1 901 Brown shale and shale - 5 1950 Shale - - 1 903 Brown shale and shale - 5 1965 Blue shale - - 30 950 Sandy shale -	Tough gumbo	23	1723		646
Sandy gumbo and shale 25 177' Blub flint 2 361 Tough gumbo and fossils 30 1800 Gumbo 46 707 Tough gumbo 5 1805 Rock 1 708 Soft pink shalp 55 1805 Rock 1 708 Soft pink shalp 55 1805 Shale and boulders 9'' 796 Hard coarse shale 40 1900 Gumbo 42 846 Brown water sind 5 1945 Hard rock 43 383 Griy water sind 5 1945 Hard rock 1 901 Brown shile and shilb 5 1950 Shale 2 903 Brown shile and shilb 5 1955 Hard rock 1 904 Sandy shile 5 1960 Gumbo 16 920 Gumbo 5 1965 Blue shile 30 950 Sandy shile 5 1965 Blue shile 30 950 <td></td> <td>10</td> <td></td> <td></td> <td></td>		10			
Tough gumbo and fossils - 30 1800 Gumbe 46 707 Tough gumbo 5 1805 Rock 1 708 Soft pink shals 55 1860 Shale and boulders 90 796 Hard coarse shalo 40 1900 Gumbe 42 840 Brown water sand 5 1906 Soft shalt 43 983 Gray water sand 5 1945 Hard rock 1 901 Brown shale and shalt 5 1950 Shale 2 903 Brown shale and shalt 5 1950 Shale 2 903 Brown shale and shalt 5 1950 Shale 1 904 Sandy shale 5 1965 Blue shale 16 920 Gumbo 5 1965 Blue shale 50 950 Sandy shale 5 1965 Blue shale 50 900 Sandy shale 5 1965 Blue shale 50 900 Sandy shale 5 1965 Blue shale 50 1000 Sandy shale 5 1965 Blue shale 50	Shale, shells, and sand	12	1		1
Tough gumbo 5 1805 Rock 1 798 Soft pink shalp 55 1809 Shale and boulders 99 796 Hard coarse shale 6 1900 Gumbo 42 846 Brown water sind 6 1906 Soft shalp 43 883 Grey water sind 5 1940 Gumbo 17 900 Gumbo 5 1945 Herd rock 17 901 Brown shale and shalb 5 1950 Shale 2 903 Brewn shale and shalb 5 1955 Hard rock 1 904 Sandy shale 5 1965 Blue shale 16 920 Gumbo 5 1965 Blue shale 50 950 Sandy shale 5 1965 Blue shale 50 950 Sandy shale 5 1965 Blue shale 50 1000 Sandy shale 5 1995 Hard and soft streaked 56 Brown gumbo nd streaks 500 1995 Hard and soft streaked 56 Of sand 5 2009 Tough gumbo 50 1000 1038 <		25	1		¢
Soft pink shalp- 55 1860 Shale and boulders 90 796 Hard coarse shalp- 40 1900 Gumbo 42 846 Brown water sind 6 1906 Soft shalp		30	4		1
Hard coarse shale 40 1900 Gumbo 42 840 Brown water sand 5 1906 Soft shalt		5	1		3
Brown water sind		55	1860		798
Grey water sind- 34 1940 Gumbo 17 900 Gumbo 5 1945 Herd rock 1 901 Brown shale and shale 5 1950 Shale 2 903 Brewn send and shale 5 1955 Hard rock 1 904 Sandy shale 5 1960 Gumbo 16 920 Gumbo 5 1965 Blue shale 30 950 Sandy shale 5 1965 Blue shale 50 1000 Sandy shale 5 1965 Blue shale		40	1		1 84G
Gumbo 5 1945 Hard rock 1 901 Brown shale and shale 5 1950 Shale 2 903 Brown sand and shale 5 1955 Hard rock 1 904 Sandy shale 5 1955 Hard rock 1 904 Gumbo 5 1965 Blue shale 1 904 Gumbo 5 1965 Blue shale 30 950 Sandy shale 5 1965 Blue shale 30 950 Sandy shale 5 1965 Blue shale 50 950 Sandy shale 5 1965 Blue shale 50 950 Sandy shale 5 2000 Tough gumbo 30 950 Sandy shale 5 2000 Tough gumbo 50 1000 of sand 5 2000 Tough gumbo 36 1038 Tough brown gumbo 5 2008 Shale and shall 27 1065 Soft shale 7 2015 Gumbo 15 1080		Б			1
Brown shile and shile 5 1950 Shale 2 903 Brown sand and shile 5 1955 Hard rock 1 904 Sandy shile 5 1960 Gumbo 16 920 Gumbo 5 1965 Blue shile 30 950 Sandy shile 5 1965 Blue shile 30 950 Sandy shile 5 1965 Blue shile 50 1000 Sandy shile 5 1995 Hard ind soft streaked 1000 Sandy shile 5 1995 Hard ind soft streaked 1000 Soft sand 5 2000 Tough gumbo 36 1038 Tough brown gumbo 8 2008 Shale and shall 35 1065 Soft shale 6 2021 Soft shale 15 1080	Gray water sand	34	1940		1
Brown sond and shale 5 1955 Hard rock 1 904 Sandy shale 5 1960 Gumbo 16 920 Gumbo 5 1965 Blue shale 30 950 Sandy shale 5 1965 Blue shale 30 950 Sandy shale 5 1965 Blue shale 50 1000 Sandy shale 5 1995 Hard and soft streaked 1000 Brown gumbo nd streaks 52000 Tough gumbo 36 1038 Tough brown gumbo 8 2008 Shale and shall 36 1038 Soft shale 6 2021 Soft shale 15 1080	Gumbo	5	1)
Sandy shale 5 1960 Gumbo 16 920 Gumbo 5 1965 Blue shale 30 950 Sandy shale 30 1995 Hard and soft streaked 30 950 Brown gumbo nd streaks 5 2000 Tough gumbo 35 1000 of sand 8 2008 Shale and shall 35 1038 Tough brown gumbo 8 2008 Shale and shall 35 1038 Soft shale 6 2021 Soft shale 15 1080		5	1		903
Gumbo		5			1
Sondy shile		5	1960		4
Brown gumbo nd strenks shrlc 50 1000 of schd 5 2000 Tough gumbo 36 1038 Tough brown gumbo 8 2008 Shale and shall 27 1065 Soft shale 7 2015 Gumbo 15 1080 Tough gumbo 6 2021 Soft shale 10 1090		5	1		950
Brown gumbo nd strenks shile 50 1000 of sind 5 2000 Tough gumbo 36 1038 Tough brown gumbo 8 2008 Shale ind shall 36 1038 Soft shale 7 2015 Gumbo 15 1080 Tough gumbo 6 2021 Soft shale 10 1090		30	1995		
of sind 5 2000 Tough gumbo 36 1038 Tough brown gumbo 8 2008 Shale and shall 27 1065 Soft shale 7 2015 Gumbo 15 1080 Tough gumbo 6 2021 Soft shale 10 1090	Brown gumbo nd strenks		1		1
Soft shale 7 2015 Gumbe 15 1080 Tough gumbe 6 2021 Soft shale 10 1090	of sind	อ	1		ļ
Soft shale 7 2015 Gumbe 15 1080 Tough gumbe 6 2021 Soft shale 10 1090	Tough brown gumbo	8	;		
Tough gumbo 6 2021 Soft shale 10 1090	Soft shile	7	2015		1080
(Continued on next page)	Tough gumbo	6	2021		1090
				(Continued on next page)	

-53-

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Driller's log of tell	Thickness	
Gumbo	- 30 - 12	
nd shell	- 24 - 19	1156 1175
Blue gumbo Soft blick shale and boulders	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1175 1227 1241 1259 1267 1322 1326 1327 1328 1328 1329 1329 1329 1329 1329 1329 1329 1329 1329 1329 1329 1329 1329 1329 1400 1430 1430 1430 1485 1487 1509 1524 1530 1540 1541 1546 1550 1557 1560 1557 1560 1572 1572 1572 1572 1572 1572 1572 1572 1572 1572
Shale and boulders + Hard black shale Plack shale and shell - Water stand	- 11 - 9 - 22	1590 1590 1621 1621
2_{g}^{1} - inch drill stem.		

Ions of test tulls writted by W. P. A. lebor 1. . riss Jounty, Jex.s (Simples examined and classified by 7. I. Clark, Project Superintendent.) Well 7 Well 22--continued Flat, M. White tract, 13 miles north of Caving at 36 foot. Caldwell. Thickness Dopth No rater sample collected. Dec. 31, 1936. (feet) (feet) Black sandy gumbo - - - - 5 5 7,11 32 White micaceous send- - - - 10 15 Slope, N. Runhel trict, R. W. Scott Survey, Tan sand with small ferruginous 6g miles northeast of Caldwell. 16 1 Thickness Depth 18 2 (feet) (feet) Fine yellow sand - - - - -7 25 Sandy soil - - - - - 2 2 Sendy yello clay-----Struck water at 25 feet. - 6 ε. Brown shily eley and yello: Water level 24.2 fest below top of ground, 12 hours after hold completed. 2 10 Sandy rust-colored clay- - - 5 15 "ater sample collected. Nov. 27, 1936. Dry white stud-- - - - - 7 22 Well 14 Gray sand and $\operatorname{clay} - - - - - 10$ 52 Valley flat, F. F. Stubbs tract, 49 H. E. Davis Survey, 122 miles north of Struck water at 49 foot. Caldwoll. Water level, 45.9 feet below top 2 Sondy red clay - - - - - -2 of ground, 12 hours after hole completed. 7 9 Rust-colored sondy clay- - -Water scapic collected. Nov. 18, 1936. 10 Brown gravelly send- - - -1 14 Roddish-brown send - - - - -4 7611 45 $2\dot{z}$ 16 2 Rust-colored gr velly send -Slope, Mrs. E. B. Bell tract, Francisco Struck water at 14 feet. Ruiz Survey, 3/4 mile north of Calduell. Water level, 14 fout below top of ground, Fine silty s nd- - - - - - -- 3 3 1 hour after hold completed. Green and yellow silty eley Water sample collected. Sept. 1, 1936. vith bl-ca spots- - - - - -З 6 Yellot and bits stracked 7011 21 8 cl::-------2 Flat, Giles McDurmott tract, C. H. Corrso white send- - - - - -1 9 Nathers Survey, 11 miles north of Green and yellow sendy elay- -2 11 Caldwell. Rod s ndy clay and iron ore gravel-----2 13 2 2 Red sindy iron ore gravel- - - 1 14 6 8 Rod and gray shudy clay- - -Struck mtor at 13 feet. Yellow and gray hard silty Water level, 12.6 feet below top sand _ _ _ _ _ _ _ _ _ _ _ 15 23 of ground, 4 hours after hole completed. Dark green glauconitic and Water simple collected. Oct. 8, 1936. 17 4° fossilliferous shale- - - -Hard green rock glauconits, and fossils _ - - - - - -1 F] Toll 46 Struck rock at 11 fost. Side of county rond, W. I. Clark, Jr. No water sample collected. Dec. 15, 1936. tract, Francisco Ruiz Survey, 3/4 mile northwest of Caldwell. 3 Fine loose silty send- - - - -- 3 Vcll 22 9 -6 Slope, J. Bovers tract, I. & G. N. R. R. Course gray s má- - -- - - - 1 10 Co. Survey, 10 miles north of Cald-oll. Yellow andy shale- - - - 2 12 Fine tan surfree s nd- - - -1 1 Red s'ndy iron ore gravel- - -1 13 Fine clay and dun-colored Struck water at 13 feet. packed sand- - - - - - - -2 Water level, 12.1 feet below top Red clay and glouconitic of ground, (hours after hole completed. 4 6 Trtar sample collected. Cet. 8, 1936. Fine gray sand with red and 11 yellow nodules - - - - --5 -011 49 Fine thite sand and white Hilltop, D. Rolan tract, Francisco Ruiz cley----16 27 Survey, 1 3/4 miles north west of Fine yellowish-brown sand and Caldtell. chocolate-colored clay- - - 5 32 1 Surface shad - - - - - -1 Brown sandy gumbo - - - - --4 36

-36--Logs of 7. 1. . tost wells in Burleson Cousty--Continued Tell 59 Toll 49--continued Thickness Depth Thickness Depth (foet) (foot) (fout) (foot) Rod sandy clay - - - - - 6 7 Gantle slope, Will Newcome tract, Hard rust-colored send - - - -10 17 J. T. Maries Survey, 4 miles north of No water sample collected. Jan. 6, 1937. Caldwell. White s.m. - - - - - - 2 2 Well 50 Red shad - - - - - - - 2 4 Hillton, D. Rolan tract, Francisco Ruiz 16 Hard white s'id - - - - - 12 Survey, 2 miles north mest of Cald ell. Caving Lt 16 feet. No water sample collected. Nov. 2, 1936. Red sindy clay - - - - - -- 5 5 Yellov, white, and red sand------23 23 Well 69 Fine yellow send - - - - -2 30 Valley flat, side of county road, Struck water at 29 feet. A. Thempson Survey, 8 miles northwest Struck quicksand at 30 feet. of Caldrell. Water level, 28.6 feet below top of ٠£ 4 ground, 10 hours after hole completed. Yellow same shale - - - -3 4 Mater sample collected. Jan. 6, 1937. 2 10 White senly clay - - - - -Yellow sundy clay- - - - -7 17 Well 51 192 Yellow clay and glauconite--Slope, side of county road, J. B. Fox Dark red clay - - - - - -1 20 Survey, 2 3/4 miles north west of Caldwall'. No water sample collected. Bept. 21, 1936. 5 5Yollow and tan stady clay- - 17 22 Well 72 Fine white sand- - - - - -10 32 Valley flat, side of county road, Fine tan sand and thite H. H. Goff Survey, 92 miles northwest of 8 40 Caldwell. Yellow and red bedded send--2 42 Red sandy cley - - - - - -3 З Caving at 42 feet. Green roa, and yellow No voter sample collected. Dec. 11, 1936. 11 14 3 17 Tcll 52 White and yello: sind- - - - $\overline{4}$ 21 Flat, Bill Blaha tract, 3 1/4 miles White quick send- - - - --22 1 north-ost of Caldwoll. Struck water at 21 foot. Fine tan sand - - - - -5 5 Struck quicksand at 22 feet. 7 Fine tan send and red ely---12Thter level, 21. feet bolow top Fine trn srna- - - - - -8 20 of ground, 4 hours after hole completed. Fine white send- - - - - -8 28 Water simple collected. Sept. 2, 1936. Fine white sand and white clay -----8 36 7ell 73 Fine white send- - - - - ö 42 Flat, side of county road, Jose M. 42 Sancada Survey, 7g miles northwest of Struck quicksend at 42 foot. Orldwell. No water sample collected. Dec. 8, 1936. 2 2 Sand and yellow clay - - - -3 5 Well 53 $\mathbf{5}$ 10 Thite and yellow sand- - - -Thite quick send - - - - -Slope, Otto Berndt tract, J. B. Fox 1 11 Survey, 3 miles north-est of Caldwell. Struck water at 9.5 feet. Fine white sand - - - - --2 Criving at 11 feet. 2 Yollow and brown hard Water level, 9.5 feet below top of ground, 8 10 2 hours after hole completed. Gray and yellow silty sand Later simple collected. Aug. 31, 1936. and clay-----32 42 Blue shale and sand- - - - -4 46 Fine gray sind Struck thtor at 46 fout. Water level, 45.3 fest below top of ground, 10 hours after hole completed. Water sample collectel. Nov. 17, 1936.

-37-Logs of W. P. A. test wells in Burleson County--Continued

Well 79 Well 112 Slope, side of county road, W. N. Lock Gentle valley slope, side of county Survey, 7¹/₂ miles northwest of Caldwell. road, J. W. Porter Survey, 4 miles southwest of Caldwell. Thickness Depth (feet) (feet) Thickness Depth 2 (feet) (fcet) 2 Sandy yellow clay- - - - -1 З Fine white silty surd - - - 2 2 Hard red sandy clay- - - - -4 7 Red and yellow sondy Hard ferruginous sand and micaceous clay - - - - 4 6 9 2 No water sample collected. Cet. 14, 1936. Soft tan said- - - - - - -4 13 Fine dry white packed sand --8 21 Well 116 Ridgetop, Jud Hornsberry tract, west Caving at 21 feet. of highway in F. Smith Survey, near No water sample collected. Sept. 4, 1936. southwest limits and $\frac{2}{2}$ mile from Well 96 center of Coldwell. Gray sindy clay - - - - -Flat, side of county road, S. C. 3 З Robertson Survey, 71 miles west of Yellow clay - - - - - - - -Ĩ 4 Yellow shalp and white Caldwell. 5 Fine white sand - - - - -2 2 1 Red iron rock and clay- - -6 Brown sandy clay - - - - -5 7] Yellow and tan clav- -- - 7 13 Hard gray serd end clay- - -10 З Soft red iron rock- - - - -3 1 14 Ferruginous sand and clay- -13 28 \mathfrak{Z} 16 Yellow and blue shale - - - 14 Sendy shale with rust and Sandy yellow fossiliferous sulphur-colored strenks- -8 24 shale - - - - - - 7 35 3 27 White and yellow rock with Brown send and slaty shale -Brown sand - - - - - - -2 29 fossils and glauconite- -1 36 White micaccous- - - - - -7 56 Shale and soft ferruginous 37 Caving at 36 feet. No water sample collected. Sept. 3, 1936. Black fossiliforous shele with glauconite stroaks - 19 56 Well 104 Black fossilifercus shale Gentle slope, C. Harris tract, 3 59 Hard grey rock -- - - - -1 J. G. McKern Survey, 52 miles west of 60 Struck rock at 60 feet. Caldwell. Fine ten send - - - - - -5 5 No water sample collected. Oct. 14, 1936. Yellow and red sandy clay- -5 10 Woll 117 1 11 Red sandy clay - - - - - -7 13 Slope, John Bollard tract, F. Smith 3 23 Survey, at cast limits and 1 mile from No water sample collected. Oct. 13, 1936. center of Caldtell. Grown sandy clay - - - -5 3 Red chilky iron rock and Well 109 green clay - - - - - -1 Slope, side of county road, S. E. 4 (hulky and seniy green Robertson Survey, 6 miles west of and yellow shale - - - -8 4 Caldwell. Green shale -- - - - -2 10 2 3 Red ircn rock- - - - - -1 11 Hard rust-colored sand Blue, green, and yellow 9 11 10 21 Hard tan sond - - - - - --З 14 Blue and yellow fossili-3 17 Loosc white send - - - - - fercus shale - - - - - -32 11 Hard tan sand - -- - - - - -1 18 Fine white loose sand- - - -7 25 Rod iron cre gravel- - - -7 33 Struck water at 32 feet. 29Loose rust-colored sind- - -4 Water level, 32 feat below top of 9 38 Loose gray send - - - - - ground, 6 hours after hole completed. 54Dark gray micreaous sand - -16 Water sample collocted. Oct. 30, 1936. 58 Derk gray shale and sand - -4 Caving at 58 feet. No water sample collected. Nov. 13, 1936.

Well 124-continued Well 118 Thickness Depth Ridgetop, Fuller Cummings tract, F. Smith Survey, at limits 1 mile east of (feet) (fest) Gray and black shale and Caldwell. gypsum _ _ _ _ 24 49 Thickness Depth Tougn black plauconitic (fest) (feet) Sendy soil - - - - - 1 1 and fossilliferous Sandy yellow clay- - - - 3 shale - - - - - - - - - 20 69 4 Hard gray rock - - - - - -69 Yellow and blue stratified shale and sand- - - - - 10 14 Struck rock at 69 feet. No water sample collected. Dec. 29, 1336. Yellowish-green shale small concretions, and 22 Well 130 gypsum crystals - - - - 8 Soft red chalky rock - - - 1 23 Slope, bids of county road, J. Reed Yellowish-green shale, con-Survey, 6 miles southwest of Caldwell. Fine tan sand - - - - - 2 cretions, and gypsum 2 crystels - - - - - - - - 12 35 Sandy red and white clay- - - 2 4 Shele and soft rock- - - - -٦ 36White and yellow strutified 6 10 Bluish-black glauconitic 6 42 Fine loose thite send - - -5 15 Hard gray fossilli-Fine white packed sand and 1 43 clay _ _ _ _ _ _ _ _ _ _ _ _ 3 18 Fossilliferous sendy shele--1 44 Fine loose thite and tan 44sand _ _ _ _ _ _ _ 29 11 Struck rock at 44 feet. Fine whits and yollow No water sample collected. Oct. 29, 1936. 9 38 Fine gray quick s nd -- - -1 39 Well 119 Struck matur at 37 foot. Hillside, A. S. Brotdas tract, S. Struck quicksand at 39 foct. Dickenson Survey, west of highway, 1 Wrter level, 37 fuct below top of mild southeast of Caldwell. ground, 4 hours after hole completed. Sandy red and yellow Writer sample collector. Det. 13, 1936. 4 4 Gray and tan laminated Well 131 15 19 shalo and sand - - - - - -Slope, side of county rond, J. Reed Chocolate-colored shile Survey, 6 miles southwest of Caldwell. with sulphur-colored 2 2 32 13 Red sendy cley- - - - - -3 5 Hard black glauconitic and White and yellow stratifossilliferous shale- - --12 $4I_{z}$ 5 10 Struck roce - t 10 foot. Hard black shale and blue sond - - - - - - - -47 3 No w ter scale collected. Cet. 13, 1936. Hard black glauconitic and 57 fossilliferous shale- -- -10 Well 132 Hard grey fossilliferous Slope, side of county rord, J. H. 57 rock - - - - - - - - - - - -Bowers Survey, 7 miles southwest of Struck rock at 57 feet. Coldwell. No tater sample collected. Dec. 7, 1936. Fine yello- sond - - - - -7 7 Fine yellow sand and clay---10 "ell 124 Fine send with leminations Hilltop, M. Brondns tract, S. of red nd yellow clay-- -- 10 20 Dickenson Survey, 1 1/4 mila Fine yello s nd - - -- 5 25 southeast of Chldrell. White sand and clay - - - 7 32 Surface sind - - - - - - -7 1 Yellow sand---- 2 34Sandy red clay - - - - - -2 З White sand- - - - - - - 12 46 Fine dun-colored packed Caving at 46 fost. sand _ _ _ _ 8 11 No water sample collected. Nov. 16, 1936. Fine gray sand and red and yellow clay - - - - - - 12 23 Red and gray clay and 2 25

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

-38-

Logs of V. F. A. test wells i	n Burleson CountyContinued
Logs of V. F. A. test tells iWell 140Slope, side of county road, E. M. CoxSurvey, 9½ miles southwest of Coldwell.Thickness Depth(feet) (feet)Fine tan send	<pre>n Burleson CountyContinued Well 306 Valley flat, Lyons Estate, J. Perry Survey, 8 miles northwest of Somerville. Thickness Depth (feet) (feet) Black loam 1 1 Green and brown clay 5 6 Sandy green and yellow clay 5 11 White sind 5 11 White sind 5 12 Struck water at 11 feet. Water level, 10.2 feet below top of ground, 6 hours after hole completed. Water sample collected. Dec. 16, 1936. Well 320 Gentle slopp, side of county read,</pre>
wrter level, 31 feet below top of ground, hours after hole completed. No water sample collected. Cet. 12, 1936.	4 3/4 miles northeast of Somerville. Ten send 1 1
Toll 170	streaked red clay 8 9 Fine white pleked
Hillside, Herman Priebe tract, E. Swearingen Survey, 3 1/4 miles south of Caldwell.	sind 12 21 Soft yellow soudstone 1 22 Soft white and red soud-
Sandy loam 1 1 Sandy rod clay 2 3	stone 2 24 Soft white and yellow
Hard send end red and yellow clay 7 10	sinistons 10 34 Slaty substone with
Chocolate-colored shale 8 18 Black shale	carbonacious spots 6 40 Struch rock at 40 foot. No tator sample collicted. Dec. 14, 1936.
Water lovel, 29.5 feet below top of ground, 6 hours after hole completed. Water sample collected. Nov. 6, 1936.	Slope, George Smith treet, C. H. Bennett Survey, 9 miles north of Somerville.
Tell 181 Slope, F. Surovik treet, F. Smith Survey, 3 miles east of Caldwell. Sendy loam 1 1 Red sandy clay 2 3 Red and yellow sendy clay 3 6 Hard yellow and gray send 10 16 Loose dun-colored send 5 21 Hard yellow send 3 24 Hard brown send 2 26 Fine gray send and clay - 20 46 Hard gray rock 46 Struck rock at 46 feet. No water sample collected. Dec. 17, 1936	Sonly low 2 2 Thite ashy clay 5 7 Sonly ashy clay 5 10 Sonly chocolate-colore: clay and yellor silt 13 23 Sondy chocolate-colored clay 9 32 Blue shale 2 34 No optor sample collected. Nov. 5, 1936.

Logs of V. F. A. test wills in Burleson Courty--Continued

Partial analyses of water from wells in Burleson County, Texas

(Analyzed at The University of Texas under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry, by J. E. Stullken, 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.)

		Depth		Total		Magnes-	Sodium and			1	Total
Well	Owner	of	Date	dissolved	Calcium		Potassium		Sulphate		hardness
No.		well	of	solids	(Ca)	(Mg)	$(Na \neq K)$	(HCO_3)	(S0 ₄)	(C1)	as CaCO
		(feet)	collection (calculatcd)			(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	1.07	
5	Aetna Life Ins.		do.	344	8	2	122	207	81	29	31
6	Jackson Griggs	34	do.	1,029	****	****		293	116	400	
7	W.P.A. test wel	the second	do.	8,010	***			464	1,412	3,600	
8	Federal Land Bar	nk 52	Sept.21,1976			مىلەتچە		98	106	335	***
and the second se	Lizzic Porter	-10	do.	2,174	94	99	540	238	303	925	641
10	H. Haines	500	do.	415	7	2	150	244	106	30	27
	H.K. Hornsbury	50	do.	173	29	11	24	122	a	49	117
12	Burleson County			101	-	**		24	20	34	9-19
13	Jim Stubbs	16	Sept.1, 1936	192	31	4	42	165	<u>a</u> /	34	92
14	W.P.A. test well	L 16	do.	97		**		98	<u>a/</u>	11	
15	Annie M. Jenning		do.	373	22	16	84	6	142	106	120
16	Cecil Porter		Dec.15,1936	46	-			18	<u>a</u> /	20	***
17	de.	-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	en		-	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	778
26	R.M. Moorman	42	do.	353	24	27	71	232	79	38	171
27	Jim Woodson	37	do.	1,404		***		61	779	160	
28	Ed. Williams Es	. 62	Oct.21,1936	843				183	335	140	
29	Wm. Havarak	16	Sept.21,1936	2,695	252	139	457	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		457	570	361
32	W.P.A. test well		do.	332		-		12	101	102	
	Woodson Lumber (Nov. 2,1936	944	139	44	78		559	124	527

a/ Sulphate less than 10 parts per million.

				esurts are		and the second se	and the second second second second second second second second second second second second second second secon				
		Depth		Total	(- Sodium and			Į	Total
Well	Owner	of	Date	dissolved	Calcium	ium	Potassium	bonate	Sulphate	Chloride	
No.		well	of	solids	(Ca)	(Mg)	$(NA \neq K)$	(HCO_3)	$(S0_4)$	(C1)	as CaCOz
		(feet)	collection (calculated)			(calculated)) O	-		(calculated)
34	J.L. Lightscy	36	Sopt.23,1936	571		_		171	110	176	
35	A.G. Noack	38	Sept.21,1936	447	ی سر پیرونی شاهد را کنید و بین می باد ۲ مان ^م دن همین			85	28	216	
36	Joe J. Mikeska	52	do.	697				104	244	170	ana panya ing ang panya na sa sa sa sa sa sa sa sa sa sa sa sa sa
37	Frank Kubin	124	do.	2,728	338	216	226	250	1,500	325	1,734
38	D.J. Hanacik	315	Sept.19,1936	112	14	9	18	79	a/	32	70
39	Alan Bowers	23	Sept.18,1936	2,498	301	133	346		988	730	1,397
40	John Mrnustik	37	Sept.19,1936	698			949	293	63	236	9449 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 -
41	Alan Bowers	15	Sept.18,1936				ana ay labor tind tipe title title tipe and a factor in the second second second second second second second se	165	154	136	
-12	City of Caldwell	160	Sept.25,1936		4	6	15	43	a/	22	34
43	do.	300	do.	89	7	5	22	67	a/	22	38
44	J.E. Portor	16	Oct. 8,1936	1,442	anten anten anten anten anten anten anten anten anten anten anten anten anten anten anten anten anten anten ante	la anna ann an tao ann an tao ann an tao ann an tao ann an tao ann an tao ann an tao ann an tao ann an tao ann	ور می اور این اور این اور این این این این این این این این این این	12	768	220	
45	W.P.A. test well	14	do.	4,205	368	136	896	79	1,456	1,310	1,479
46	do.	13	do.	3,746				6	1,185	1,320	1. (20
47	Joe Souruick	Spring	Oct. 6,1936	51	9			24	a	20	an a fan in de ferste fan de ferste ferste ferste ferste ferste ferste ferste ferste ferste ferste ferste ferst
48	Otto Berndt	45	Nov.13,1936	114		An		79	20	13	ang tanan an ang ang ang ang ang ang ang ang
50	W.P.A. test well	30	Jan. 6,1936	553			ور المنظمة المراجعة من المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجع المراجع	37	151	198	يان الله الذكر الفاحد الجاري ويعني ترجي والمرابة الجامع الرامي ويرمي. الأسب
53	do.	46	Nov.17,1936	1,263	n. — Shini wa kata ku ku ku ku ku ku ku ku ku ku ku ku ku		11201-11201-11201-1120-1220-1220-1220-1	12	708	160	an sylvan variat om die gesegen ook geveelden witte valiteis va Onen
54	R. Struwe	Spring	Oct.26,1936	109				92	a/	22	
55	Peter Womack	24	Sept.12,1936	103				49	a/	40	بالم المراجع الم المراجع الم المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع ا المراجع ا
56	Frank Hckalopka	32	Sept.19,1936				ار این مان این می بر این بی این این این این این این این این این ای	12	213	396	
57	do.	Spring	do.	110	844 97891			61	16	24	دان اللغيب على مرجوع ميمين ميروميني المراجع المالية المراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمر المراجع
58	Rebecca Price	26		155	2	9	46	110	28	16	40
60	Henry Jackson	22	Sept.2,1936	82				37	<u>a</u> /	33	a ngan lain nan di sana di nan ngan di sana di sana di sana di sana di sana di sana di sana di sana di sana di Sana di
61	J. Lonzo	Spring	Jan. 4,1936	34	540		a	18	a/	1.2	89 4
62	B. Risse	do.	do.	74				18	24	16	
63	D.F. Dolameter	do.	Oct.21,1936	115	~	•••	¢~	79	a/	32	الأورى المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع
64	đo.	đo.	do.	83	10		18	37	16	13	26
65	Caldwell Fishing	227	do.	194	30	16	24	183	16	18	140
	Club										
66	do.	27	do•	53	2	9	7	49	a/	11	40
67	Edgar Simpson	9	do.	108	~~			31	a/	53	
68	G.I. Perkins	do.	Sept.16,1936				- - مر ابع می بین می اون این می بین با این می بین می اون این می بین می این می بین می این می این می اون این می این می	61	<u>a</u> /	29	
70	J.P. Winkler	17	Sept.11,1936					31	a/	27	
71	A.R. Richardson	58		124			الانتوبية بين من يون من من من من المركز التي المركز التي المركز المركز المركز المركز التي المركز المركز المركز التواف	43	20	39	
	a/ Sulphate loss										

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

a/ Sulphate loss than 10 parts per million.

	Results are in parts per million.												
		Depth		Total		Magnes-	Sodium and	Bicar-	1		Total		
Well	Owner	of	Date	dissolved	Calcium	ium	Potassium		Sulphate	Chloride	hardness		
No.		well	of	solids	(Ca)	(Mg)	$(Na \neq K)$	(HCO ₃)	(SO_A)	(C1)	las CaCO,		
		(feet)	collection	(calculated)			(calculated)			(calculated)		
72	W.P.A. test well	22	Sept.2,1936	197			, , , , , , , , , , , , , , , , , , , 	220	<u>a</u> /	11			
73	đo.	11	Aug.31,1936	45	-	-	-	24	a/	16	-		
74	Hattie Greer	27	Sept.4,1936	440				24	173	112	**		
75	L.O. Kornegay	90	do.	246			¢~**	159	a	74	~~		
76	Joe Adamek	48	Oct. 1,1936	459				177	165	51			
78	L.H. Guick	49	Sept.11,1936	522	64	46	74	464	67	43	349		
80	Baskin School	40	Sept. 4,1936	59			***	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		-		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		· · · · · · · · · · · · · · · · · · ·		73	354	640			
87	J.E. Dyer	31	Sept.3,1936	235		4444	- مەير ماسىد مۇرىيىلە «ئىياشا بە مەن» بايىدىلەرلىك سېرەك خىت	85	79	34			
88	F.A. Willard	16	đo.	480				171	67	157			
89	Webb Price	42	Sept.22,1936	3 570	68	15	111	12	170	200	229		
90	R.C. Ryan	48	Sept. 3,1936	3 928	234	ana a manana manana ina ang mangana na manana ang mangana na mangana na mangana na mangana na mangana na manga Mangana na mangana na ma	90	128	236	305	585 1		
91	C.S. Perry	27	Oct. 9,1936	443				128	71	152			
92	P.R. Odstricil	35	Sept.3,1936	130				12	43	38			
93	Pete Odstricil	30	Oct. 9,1936	184	***	~	•••	110	39	25			
94	V.D. Floyd	48	Sept. 3,1936	5 234				79	55	58			
95	- Johnson	27	Sept.15,1936	266	<u>مەلەر بەر مەلەر بەر مەلەر بەر مەلەر بەر بەر بەر بەر بەر بەر بەر بەر بەر ب</u>		ann ann an thairt an thair an thairt an thailte air an thairt an thairt an thairt an thairt an thairt an thair Guile	281	a/	23			
97	L.R. Buffington	38	Oct. 9,1936	75				67	a/	13			
98	Jos. Janicek	36	Sept.15,1936	5 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		يندي هي وري المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع ال معرفة		24	a/	15	aa		
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	a/	36			
106	H.M. McMillan	36	Sept.22,1936	249				18	114	46			
107	Vince Urban	25	Nov.16,1936	1,326				262	541	220			
108			sept.22,1936	42	5	4	7	37	<u>a</u> /	8	27		
	Henry Townsend	46	Oct.10,1936	486	**		~	98	<u>a/</u>	260			
111	C.C. Nolm	47	do.	358	18	9	95	37	138	80	80		
113	J.C. Windell	92	Sept.25,1936	5 581	59	51	80	293	157	90	357		
	o/ Sulphoto loga												

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

a/ Sulphate less than 10 parts per million.

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

	1	Depth		Total			Sodium and	Bigon	1	• • • • • • • • • • • • • • • • • • •	Total
Well	Owner	of	Date	dissolved						01-2	Total
No.	Owner.	well	of				Potassium		Sulphate		
MO.		1	1 1	soliās	(Ca)	(Mg)	(Na / K)	(HCO ₃)	(s0 ₄)	(C1)	las CaCO3
774	T		collection				(calculated)		1	1	(calculated
	Joe Veiss		Oct. 8,1936		44	9	52	195	47	34	145
115	G. C. & S. F. R. Co.		- ·		7	5	14	49	<u>a</u> /	20	38
117	W.P.A. test well	l 33	Oct.30,1936	3,079				256	811	1,100	
120	J.R. Simpson	18	Dec. 4,1936	360				171	43	102	یکی انگریشنان میرون ورد وی میروند. بهانهٔ
121	L.B. Dowell	19	do.	238	e			122	27	64	
122	A.S. Broadas	Spring	Dec.12,1936	129			anda minaki ili da kasi musuput kenganan sa pala sa paga	55	24	32	
123	Gordon Shanklen	12	Oct.14,1936	158			, 1999 - Carlon Marine, 1999 - Carlon Carlon Carlon Carlon Carlon Carlon Carlon Carlon Carlon Carlon Carlon Car State	98	35	18	
125	C. Cromady	32	Nov. 6,1936	774			ged)	159	173	255	ene
	J. Janacek	49	Oct. 1,1936	1,374			der	85	567	320	
127	A.C. Windell	79	do.	892			***	268	331	130	
128	John Pivonka	270	đo.	1,029	84	97	132	110	347	315	610
129	J.J. Jurcak	58	Oct.13,1936	1,808				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		35	19	24	189	a/	45	1.67
135	Chas. Adamwate	25	Nov.16,1936	473				232	74	114	an pantan di katan di Taman
136	Sunnyside School	28	do,	320				360	a/	16	
137	S.C. Blahah	66	do.	1,081				384	143	360	
139	John Harrison	29	Oct.12,1936	412	-			92	165	66	
	Henry Mitchell	80	Sept.22,1936	109	7	5	27	61	24	16	38
	Olivia Parker	55	Oct.12,1936	469	n and an an an an an an an an an an an an an			12	130	176	
		Spring	do.	4,968	413	265	734			2,070	2,123
	- Karnes	25	do.	230		-		159	28	39	-
and the second second second second second second second second second second second second second second second	Rufus Coleman	30	do.	5,449		637	**		3,542	550	
	Dick Fisher	21	do.	244	13	11	62	6	39	116	77
	Frank Krall	33	Oct.15,1936	1,572				55	283	720	
	John M. Paukrat	59	do.	1,071	191	4	169	85	405	260	492
	Hugo Doerr		Nov.12,1936	2,871	296	146	430	67	1.496	470	1.340
and the second se	Mrs. C. Kocurec	56	do.	2,229		=		**	1,110	420	
the second second second second second second second second second second second second second second second se	Mrs. L.N. Dean	37	do.	949	77	28	181	189	260	196	307
	H.A. Benn	54	do.	291	28	9	67	85	59	86	105
	R.O. Flippin	88	do.	866	-			299	185	230	
	Jim Harvey		Dec.11,1936	731				134	47	355	
	a Sulphate less								-11		

a/ Sulphate less than 10 parts per million.

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

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			4	lesults are	in parts	per mil	Jion.				
		Depth		Total		Magnes-	Sodium and	Bicar-		1	Total
Well	Owner	of	Date	dissolved	Calcium	ium			Sulphate	Chloride	hardness
No.		well	of	solids	(Ca)	(Mg)	(Na / K)	(HCO_3)	(S0 ₄)	(C1)	as CaCO ₃
		(feet)	collection (calculated)			(calculated)	3	4		(calculated)
156	Otto Meir	61		3,687	426	90	724		1,027	1,420	1,436
157	John Machousky	, 34	Sept.24,1936		um-			189	63	112	
159	G.A. Walman	22	Nov. 5,1936	2,459			وسین د دوره سر در مرد میشند با بسین به محک از میشون میشوند. د	128	1,472	172	
160	Gus Eberhardt	95	Dec.11,1936	276	19	11	68	85	58	78	92
161	Gus Brinkman	420	do.	215	28	10	36	85	58	41	111
162	Frank Kubelka	150	Oct.13,1936	1,481	202	56	227	110	512	430	735
163	do.	149	30.	1,019	74	40	220	98	409	228	350
164	Otto Holvig	630	Dec.11,1938	919	127	29	141	61	380	212	438
165	John Gerdas	135	Oct.12,1953	759	70	41	136	134	234	182	346
166	ão.	94	do.	3,865	**			153	1,515	1,020	
167	E.D. Aharms	430	do.	227	33	11	38	134	35	44	127
168	Martin 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.	2,428	314	112	364	366	868	590	1,244
171	W.A. Mercer	48	do.	5,591	542	408			3,857	180	3,034
172	Bethel 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	O. Windle	54	do.	1,329				73	394	455	gains .
177	Jess Garrett	30	Sept.24,1936	5 1,964	345	69	144		1,200	206	1,148
178	Simpson Grocery	Co.17	Oct.14,1936	469	41	30	77	37	138	162	234
179	do, S	Spring	Sept.24,1936	5 172	25	11	23	49	24	65	107
180	do.	56	Oct.14,1936	891	94	39	164	299	335	112	394
182	Novack & Dubeak	117	Sept,19,1936		24	7	87	226	31	44	90
183	Walter Macat	35	Sept.23,1936			-	-	110	110	210	
184	W.F. Newcome	49	Dec.17,1936	1,436	-			49	378	550	
185	Zolph Newcomb	95	Nov.13,1936	278	38	15	45	79	35	106	154
186	Adolph Gold	64	do.	1,652	309	77	197	268	67	870	1,087
187	Grady Ryan	240	do.	284	23	11	73	128	16	98	102
188	do.	92	do.	700	110	26	116	165	÷±7	320	381
189	Dewitt Calvin	25	do.	1,347				354	146	480	
190	John P. Marek	70	Dec.17,1936	898		~		140	442	100	
191	Vince Hejl	58	do.	2,196	327	74	342	122	533	860	1,122
192	Jack Henderson	79	Nov.17,1936	655	38	16	182	293	197	78	160
193	Rex Plimper	42	do.	640	**	-		256	54	226	

-44-

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

			K	esults are							
		Depth		Total			Sodium and	Bicar-			Total
Well	Owner	of	Date	dissolved	Calcium	ium	Potassium	bonate	Sulphate	Chloride	hardness
No.		well	of	solids	(Ca)	(Mg)	$(Na \neq K)$	(HCO_3)	(SO_A)	(01)	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	and the second second	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	<u>a/</u>	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	<u>u/</u>	15	41
206	Chas. Camposi	500	Dec.17,1936	200	-	1	80	159	23	18	6
207	Mrs. R.L.D. Knis	and the second se	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	4
301	Vince Ofclarzak	71	Nov.12,1936	70	-	-		31	a/	29	- Ŷ
302	John Shoppe	87	do.	659	72	33	129	98	47	330	315
303	F.O. Weichert	107	do.	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	. 12	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	
309	Mrs. Lee Woods	140	do.	1,800	60	22	582	140	307	760	239
310	Geo. Shelfer	120	Sept.24,1936	1,100	174	18	209	220	126	465	511
311	Herman Witte	83	dr.	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	~	5 -14		183	598	170	***
314	F.F. Snyder	77	Jan. 5,1936	1,896			antan	140	374	800	
315	Gulf Coast Util-	·198	do.	1,730	63	4	599	500	243	575	172
	ities										
316	G. C. & S. F. Ry	.Co.82	5 do.	1,684	21	2	643	634	151	555	62
	Bob Brantley		Sept.24,1936	568	-	~		146	157	144	
		Spring	Dec.16,1936	64	-			24	20	10	
323	Burleson County	do.	Dec.21,1936	256	5	4	94	55	16	110	27
	J.C. Patrick	do.	do.	285	34	9	59	37	39	126	120
	a/ Sulphate less			nillion.							

a/ Sulphate less than 10 parts per million.

				Results are	in parts						
	1	Depth		Total		. –	Sodium and				Total
Well	Owner	of	Date	dissolved	Calcium	ium	Potassium	bonate	Sulphat e	Chloride	hardness
No.		well	of	solids	(Ca)	(Mg)	† (Na ≠ K)	(HCO ₃)	(SO4)	(Cl)	as CaCO _Z
		(feet)	collection	(calculated)			(calculated)	-		(calculated)
325	Town of Clay	24	Dec.21,1936	153	-			43	8	68	-
326	G. C. & S. F. R	y.Co	do.	1,235			-	702	8	415	
327	Robert Kemp	25	do.	1,317	73	51	359	756	270	192	392
330	Farmers Nat'1.Ba	ink 20	do.	399	~		ens.	293	58	49	
331	F.J. Foyt	1,032	Dec.14,1936		26	4	1,602	1,342	8	1,740	80
	H.P. Drought	16	do.	201	46	15	4	79	54	43	174
333	G. Hinton	35	do.	921	-		-	305	326	134	
334	Joe Baker	54	do.	1,163	-			134	390	320	****
336	J. Bravak	38	Dec.21,1936	1,099	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. Kozar		do.	165			-	177	a/	13	
341	R.R. & J.C. Wind	cher 73	đo.	508	100	16	64	49	39	265	315
342	Frank Orsaj	32	do.	394			6 1	348	<u>a</u> /	70	
343	Frank J. Fojt	1,267	Nov.17,1936	and the second second second second second second second second second second second second second second second	6	444 	633	1,440	<u>a</u> /	150	15
344	do.	1,620	Nov. 5,1936				****	262	51	38	
	Martin Scarborou	igh 30	Nov.17,1936	1,060			***	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	316	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

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

a/ Sulphate less than 10 parts per million.

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