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* * *

BAILEY COUNTY, TEXAS

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

* * *

WORKS PROGRESS ADMINISTRATION

GROUND-WATER SURVEY

PROJECT 2070

W. L. Broadhurst Project Superintendent

* * *

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

* * *

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

* * *

Austin, Texas June 25, 1937

BAILEY 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 to put down test holes where additional information was needed.

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

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

The field work in Bailey County was started as Project 2070 in District 17 of the Works Progress Administration, Lubbock, Texas, on January 2, 1936, with H. H. Hinson, a geologist, as project superintendent. Mr. Hinson resigned on January 15 and after some delay B. F. Baldwin, a geologist, was appointed to replace him. The project was shut down on February 15 with about 20 per cent of the work completed. The project was reopened on September 24, 1936, with W. L. Broadhurst, also a geologist, as project superintendent. The field work was completed January 30, 1937.

This project was made possible by the close cooperation of District 17 of the Works Progress Administration, the Texas Board of Water Engineers and the U. S. Geological Survey. Miss Evelyn Richter, Supervisor of Women's and Professional Projects in the Lubbock District of the Works Progress Administration, was directly in charge of the operation of the project for the Administration. Some of the information contained in this report was obtained from the Water Utilization Unit of the Resettlement Administration from records made by H. P. Burleigh, W. R. Stanley, and W. W. Scott. Sources of published information are acknowledged in the table of water level measurements.

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

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

Records of wells in Dailey County, Texas

		(All we	olls are dri	lled unless	otherwise	noted in '	Remai	rks" co	lumn.	
17		7.	G	Q		50.122	Darley	D	,	Height of
No	•	Distance	Section	Survey,	Owner	Driller	1	Depth		measuring
		from	or	Block			com-		eter	point
		Iuleshoe	Labor	or League		1	:	well	of	above
							ted	(ft.)	well	ground
							 -		(in.)	
	1	15 _{ਡੇ} miles	Sec. 53,	Blk. Z	B. E.			126	45	Q•5
		west	ME4SE4		Chaney	L	3.005			
<u>e/</u>	2	16 miles	Sec. 68,	do∙	C. E.		1925	90	4洁	
-		west	TE LEL		Detsen			<u> </u>		
	3	15 miles	Sec. 60,	do∙	Cordell-	Mardis	1924	72	P-1	1.5
		west	NE L SEL		Eswall	Bros.				
	4	12g miles	Sec. 35,	do∙	lirs. Annie	Tom Smith	1930	84	45	1
		northwest	NE <u>4</u> NE <u>4</u>		Fyer					
	5	10 miles	Sec. 3,	do•	Ton Radney	Harold	1925	92	45	3
		northwest	NW\$NW\$			Mardis			l	
e/	9		Sec. 21, ce		Jim Ellis	A. B.	1935	79		0
		west	M side NW4			Hayes			1	
	10	lla miles	Sec. 28,	do.	Albert		1936	44	8	1
		west	SW ¹ SW ¹		Ramm	ĺ]			
	11	10g miles	Sec. 22,	do.	Tom Smith	fom Smith	1927	68		0
		west	nełswł							
-	12	10 miles	do.	do.	do.	Mardis	1925	40	6	0.5
		west				Bros.				
	15	112 miles	Sec. 39,	do.	E. K. War-		1918	40	6	1 1
		west	$SE_{4}^{\frac{1}{2}}SE_{4}^{\frac{1}{2}}$	~~~	ren Ranch	2.09	1			<u> </u>
	16	10 miles	Sec. 23,	do.	do.	Fom Smith	1936	44	4 1/2	1
	**	west	SE l SW.	u	40.	TOM DMI on	12000	1 11	-8	-
~7	17	9g miles	Sec. 11, NW	Blk. X	Ers.Nellie	do.	1934	56	15景	0.5
<u>e/</u>	± 1	west		DIK. V	M. Dean	40•	1204	50	708	0.0
~7	23		cor. SW4	do.	Ars. J. W.	R. C.	1936	98	1.5	
<u>e/</u>	21	8 miles	Sec. 6,	ao.	1	•	1930	90	7.5	0.8
	~~	west	NW LNW L	1	Gregory,Sr.	Ireton	7.00	1.00		
<u>e/</u>	22	7 miles	Sec. 6, cen	. Blk. Z	C. A.	Hayes	T827	100		0
		west	N side SE		Wagner					
<u>e/</u>	23	do.	Sec. 6,	Blk. X	J. G.	Mardis	1	75		0
			·MWASEA		McIntyre	Tom Smith				
<u>e/</u>	24	8 miles	Sec. 6,	Blk. Z	77. L.	Tom Smith	1934	45	we ped	1.2
		west	SE4SE4		Swanson					
e/	25	do•	Sec. 6,	do∙	U. A.	A• B•	1931	100		0.5
			NW≟SE≟		Wagner	Hayes	L			
e/	26	do∙	Sec. 6,	do∙	W. L.	лarold	1926	55		1
			SW4SE4		Swanson	Lardis	L	L	<u></u>	
e/	28	$7\frac{1}{2}$ miles	Sec. 7,	Blk. X	C. S. Otto	Tom Smith	1936	30	44 52	0
		west	SW축MV축							
e/	30	7 miles	Sec. 7,	do.	L. R.	do.	1935	70		0
		west	NE <u>ł</u> weł		Hagen					
e/	31	$6\frac{1}{2}$ miles	Sec. 10, NW	do.	J. 11.		1933	29		0
		west	cor. IN	,	Farley					
e7	33	7 miles	Sec. 12, NW	do•	Mrs. J. W.		1936	96	1.6	1.5
= 1	55	northwest	cor. SW4	-	Gregory			"		
	34	6 miles	Sec. 20,	do.	Progress	Homer	1935	76	45	0.4
	O.X	northwest	neżneż	0.0 e	School	Mardis	2000	10	T-2	Q# L
-	77.5	43 miles	Sec. 24,	do.	F. 0.	A. B.	1933	89	762	0.5
a/	~ ~	CC 10 1. LC 6	しいりしゅ かずっ 】	uu• !	: £• U• i	A + D •	エンひひ	00	16点	∨∙≎
<u>e</u> /		northwest	NE4SE4		Boone	Hayes			1 1	

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

b/ Measuring point was above ground unless indicated by minus (-) sign.

c/ C, cylinder; T, turbine; B, bucket; Cf, centrifugal; W, windir Il; Ng, natural gas; H, hand; G, gasoline; E, electric; O, diesel or oil; number indicates horsepower.

Records obtained by W. L. Broadhurst, Project Superintendent

						these wells are in the table of analyses.)
	Water	Level			i	
№o•		Date of		Use	Topo-	Remar ¹ cs
	below	measure-		of	graphic	
	measu	- ment	powe r	water	situa-	
	ing po	oint	c/	₫/	tion .	
	(feet))				
1	114	Oct. 8,	C,W	D,S	Undu-	Steel curb and cusing, top to bottom.
		1936			lating	
2			C,W	D,S	do.	Steel curb and casing, top to bottom. Strong
					I	supply reported from sand.
3	59.9	Oct. 3,	C.W	D,S	Flat	Reported strong supply.
		1956				
4	74.3	Oct. 3,	C,W	D,S	Gentle	Steel curb and casing, top to bottom. Report-
		1936 <u>f</u> /		<u> </u>	slope	ed strong supply.
5	75.2	Oct. 8,	C,W	D,S	Flat	Steel curb and casing, top to bettom. Irri-
		1936			İ	gates small garden in summer. Water reported
9	4C.4	Oct. 9,	T, Ng,	Ī	do.	Reported irrigated 75 acres in from sand.
		1936 <u>f</u> /	20			1936.
10	36.7	Oct. 8,	B,E	D,S	do.	Galvanized curb; 31 feet galvanized casing at
		1936			1	top.
11	26.4	Oct. 9,	Cf,G,	I	do.	No casing. Reported strong supply.
		1936 f/	15			
12	26.2	Oct. S,	C,W	D,S	do.	Steel curb and casing, top to bottom. Water
		1936				reported from gravel.
15	25.2	do.	0,77	D,S	Centlo	Galvanized curb and casing. Strong supply
			1,"	-,-	slope	reported from sand and gravel.
16	13.2	do.	C,W	S	do.	Metal curb and casing, top to bottom. Water
			1	_]	reported from sand.
17	24.1	Oct. 9,	Cf,G,	Ī	Flat	Dug well. Wrought iron ourn; 36 feet wrought
		1936 f/	30	_		iron casing at top. Water reported from sand
21	23.7	Oct. 20,	T,G,	I	Gentle	Copper alloy curb; 60 feet 153- and gravel.
		1936	38	-	slope	inch copper casing at top; 38 fect 10-inch
22	23.3	do.	Cf,-,-		do.	No casing. steel casing at bottom. Water re-
		1	,,,		""	Observed by W. R. Stanley. ported from sand.
23	20.7	May 28,	Cf,G,	T	Flat	No casing. Reported weak supply.
		1937	10	_	1	The owners, reported the man parished
24		Oct. 20,		I	Gentle	No casing. Reported used on truck garden.
~ +	~~.5	1936	10	1 -	slope	The american weber and another transfer Con and
25	23.3	do.	Cf,G,	I	do.	Ho casing. Reported irrigated 8C acres in
~0	~~~		18	_	""	1936. See log.
26	22.8	do.	Cf,G,	I	do.	No easing. Reported irrigated 20 acres in
20	~~.		10] -		1936.
28	23.4	Sept.25,	I	I	do.	Rock curb; no casing.
20	1 ~0.4	1936	- , - , -	-	40.	Troops out of the contract.
30	18.3	Sept.24,	Cf.G	Ī	do.	No curb or casing. Water reported from red
50	***	1936	20	1 -	40.	sand. Reported pumped 100 hours in 1936.
31	17.1	Sept.25,	Cf,G,	- <u>-</u> -	Flat	Rock curb; no casing. Water reported from
υ .	- ' • -	1936 f/	OL 9GG	1 -	Lau	sand. Reported pumped 200 hours in 1936.
33	28.2	Oct. 20,	T,G,	I		65 feet 16-inch casing at top; 53 feet 10-inch
<i>50</i>	20.2	1936	60	1		casing at bottom. Reported pumped 300 hours
34	41.1	Oct. 27,	C.W	D,S	Gentle	Galvanized curb and casing. Reported in 1936.
04	111.1	1936	ا،و∪ إ	ە, س	slope	strong supply.
3 5	27 E	May 2d,	T,G,	Ī	srope	Casing supply. Casing perforated last 30 feet. Water report-
0 0	2190	1937	25	 		
a/ F	1	17301	25 at 20 le	L 	<u> </u>	ed from caliche. See log.

d/ D, domestic; S, stock; I, irrigation; Ind, industrial; E, none.
e/ No water sample collected for analysis.
f/ See table of water level measurements for additional measurements.
g/ Water level reported.

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		Records	s of wells	in Bailey Co	ountyCont	inued	i		
No.	Distance	Section	Survey,	Owner	Driller	T	Depth	Diam-	Height of measuring
-,	from	or	Block			com-	10	eter	point
	Muleshoe	Labor	or League			ple-	well	of	above
						ted	(ft.)	well (in.)	ground (ft.)a/b
e/ 36	43 miles northwest	Sec. 23, NE4NW4	Blk. X	J. M. Murrah	Harold Hardis	1926	23	T	0
e/ 37		Sec. 23,	do.	Ifrs. Ches-	1.01.01.5	100	<u> </u>		
97 0.	northwest	NMFNMF	40.	ter Lane					
e/ 38		Sec. 22,	do.	Charles	40.0-	1932	92	nu se	0
1	west	NE4SE4		Berkely					
41	3 miles	Sec. 21, SV	W Blk. Y	E. R.			37	45	1
	northwest			Mathers					
e/ 43	2 miles	Sec. 32,	do.	Eva	Oscar	1934	88		***
-/ 11	northwest			Shirley	Shirley	3.000	 		
<u>e</u> / 44	T T	Sec. 21, ce E line SE_{4}^{1}		R. M.	A. B.	1930	125	14	
e/ 45	do.	Sec. 32, NV		Bradley	Hayes	1936	51		0.8
e/ 45		cor SW	η αυ• Γ	Schofner		1330	01		1
e/ 46	23 miles	Sec. 21,	do.	J. A.	ifounts	1934	66	14	1
37 10	northwest			Wimberly	110001108	1001			
e/ 47		Sec. 21, W	do.	John L.	200 See	1924	80		
	northwest	side SWANE	<u>.</u>	Rogers					
e/ 49	33 miles	Sec. 33,	Blk. X	រិខនន	A. B.		72	12	0
	northwest	III-4SI-4		Mitchell	Hayes	<u> </u>			
e/ 50	do.	Sec. 22,	Blk. Y	B. I.	9.0 000	1906	66	10	*
		MASM.		Liyers					
e/ 51	4 miles	Sec. 22,	do•	Howard		1916	80		
. 7 50	northwest	SWZ:WZ		Paul		7070		<u> </u>	
e/ 52	do.	Sec. 22, NV cor. $NW_{\frac{1}{4}}$	vj do.	Lester Hickock		1916			0.5
e/ 53	3章 miles	Sec. 22,	do.	W. B.	Tom Smith	1934	7 8	11	0
	northwest	TE4SE4		Gwyn, Sr.		<u> </u>		<u> </u>	
54	5 miles	Sec. 29,	do.	W. R.		1927	5 5	4章	1
<u></u>	north	SW-LINW-L		Wilson					
56	5호 miles	Sec. 45, SI	do.	R. L.		Old	76	4衰	0
- E7	north 4월 miles	cor. ME4	3 -	Hobbs		Old	60	6	0
JI	north	Sec. 49, $NW_{\frac{1}{4}}^{\frac{1}{2}}SW_{\frac{1}{4}}^{\frac{1}{2}}$	do.	Mrs Barfield		010	00	"	
e/ 60	32 miles	Sec. 43,	do.	J. W.			55	7	
<u></u> 2	north	Wase4		Kropff					
e/ 62	$2\frac{3}{4}$ miles	Sec. 42, NV	V do.	Levi	A. B.	1934	140	15	0.3
	north	cor. SE4	Ī [*]	Churchill	Hay e s				
						<u> </u>			
e∕ 63	do.	Sec. 42, NV	V do.	Sam	do.	1931	74	1.4	0.5
		cor. SW4		Gorrell					
65	$2\frac{1}{4}$ miles	Sec. 41, NV	do.	J. L.		1916	90	8	
-1 00	north	cor. NW		Wallace		1016	1	<u> </u>	
e/ 66	do.	Sec. 41, N	do.	do.	Geo.	1915	90	28	0
67	do.	cor。NE社 do。	do.	I. W.	Green Mounts	1935	49	30	0
01	uo.	uo.	40.	Harden	- Mounts	1300	40	30	"
e/ 69	la miles	Sec. 52,	do.	E. R. Hart			68	14	0
77	north	NW4SW4	۵0.	11. 11.02					
e/ 70	la miles	Sec. 53, IN	do.	Allen	Tandy	1931	75		1
	north	cor. NW4	ſ	McReynolds					
e/ 73	do.	Sec. 40,	do.	City of	A. B.	1933	100	15营	
		WEFWF		Muleshoe	Hayes				
		}					<u> </u>	L	

-6-W. L. Broadhurst, Project Superintendent Water Level No. Depth Date of Pump Use Topo-Remarks below measureand Ο1. graphic ment power water situameasuring point tion d/<u>c/</u> (feet) 20.9 | Sept.24, Cf,G, Gentle Reported irrigated 75 acres in 1936. 1936 slope 37 Cî,Ng, Flat Reported strong supply. 38 Cf,G, Reported irrigated 18 acres in 1936. 15.5 Nov. 11, Ī ---1936 41 21.9 Sept.25, C,W D,S Flai Estimated yield, 10 gallons a minute. 1936 43 15 Cf,G, Ī Estimated yield, 400 gallons a minute. g/ 6 44 17 Estimated yield, 1,200 gallons a minute. Undu-<u>g</u>/ Cf,G, Ī 35 lating 45 20.8 May 28, Cf,C, Reported irrigated 24 acres in 1936. Ī 1937 20 46 24.2 May 28, 60 fect casing at top. Reported irrigated 40 Cf,G, Centle 1937 30 slope acres in 1936. 47 22 Cf,G, I Reported irrigated 21 acres in 1936. g/ 25 49 25.1 Oct. 8, T,G, Ī Gentle Water reported from quartz sand. Estimated 1936 25 slope yield, 1,000 gallons a minute. See log. 50 26 Cf,G, Ī Flat 40 feet galvanized casing at top. <u>g/</u> reported from sand. 51 25 Cf,G, Gentle Water reported from coarse sand. Estimated g/ 30 slope yield, 480 gallons a minute. 25.7 Oct. 8, Concrete curb. Reported used 45 hours in 1936. 52 Cf,G, Ī Flat 1936 53 25.5 Nov. 9, Cf,G, I Gentle 52 feet galvanized casing at top. Water reported from fine sand. 1936 f. slope 18 Sec log. C,W 54 52.4 Oct. 27, D,S do. Galvanized casing. Reported strong supply. 1936 Steel casing. Reported strong supply. 56 60.6 Sept.24; C,W D,S Ridge 1936 ported irrigates small garden in summer. 42.9 Sept.24, 57 C,W D,S Gentle Iron casing. Reported irrigates garden in 1936 slope Reported 8 feet drawdown pumping 350 gallons a 60 25 T,G, D,I g/ 25 minute for 12 hours. 26.3 Oct. 12, 70 feet 15-inch oil field casing at top; 70 62 T,G, Gentle 1936 f/ 45 feet 12-inch casing at bottom. Strong supply slope reported from sand and boulders. See log. 100 feet wrought iron casing at top. Re-63 29.4 do. T,G, do. 40 ported irrigates 120 acres. See log. 19 65 T,G, Ī Reported 10 feet drawdown pumping 1,250 galg/ 30 lons a minute for 36 hours. 60 feet 28-inch casing at top; 30 feet 12-inch 66 22.0 Sept.24, T,G, Flat 25 casing at bottom. Estimated yield, 1,000 gal-1936 67 No casing. Reported 19.6 feet lons a minute. 22.5 Sept.23, T,G, Gentle 1936 25 drawdown pumping 1,000 gallons a minute for 20 f/ slope 69 16.5 Oct. 27, Cf,G, Ī Wood curb. Reported strong supply. do. 1936 30 Estimated yield, 700 gallons a minute. 15.2 Nov. 70 Cf,G, Flat 1936 15 ported irrigated 40 acres in 1936. 73 16 None M do. Reported 3 feet drawdown pumping 1,100 gallons <u>g/</u> a minute for 10 hours. Reported altitude, 3,796 feet. See log. City of Huleshoe emer-

gency well.

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Records of wells in Bailey County -- Continued

		Records	of wells i	n Bailey Co	untyCon	inuec			
									Height of
No.	Distance	Section	Survey,	Owner	Driller	Date	Depth	Diam-	measuring
	from	or	Block			com-	of	eter	point
	Muleshoe	Labor	or League			ple-	well	οî	above
	1102001100	12001	01 110000000			ted	4 .	well	ground
						1004	(200)	(in.)	(ft.)a/b/
					E 0 113	2020	3.457		
e/ 74	$1\frac{1}{4}$ miles	Sec. 40,	Blk. Y	Walter	Tom Smith	T692	147	10	-10.1
	north	Manna Manna		Witte					
e/ 75	14 miles	Sec. 40,	do•	И. C.	T. L.	1934	100		
-4	northwest	SWANWA		Hennington	Rounts	l			į
e/ 77	1 mile	Sec. 40,	do.	Li. S.	A. B.	1932	100	12	0.1
<i>⊒</i> 7 · · ·	northwest	SELMVL		Stidham	Hayes			l	
7 72	1 mile		do.	Nother-	Tray Ob				P-1 84
<u>e</u> / 70	1	Sec. 40,	u0•						
	north	SW4INE4		all		2000	<u></u>		
e/ 79	do.	Sec. 53, SW	do.	D. E. Cox	A. B.	1935	70	6	0•ಽ
		cor. WW春			Hayes				Ĺ
e/ 85	$2\frac{1}{4}$ miles	Sec. 59,	do.	в. к.			40	14 14	0.4
	east	SW ł nwł		Warren	į	Į.			
88	2 miles	Sec. 61, NW	do.	R. W.	Walter		50		
•	northeast		,	l .	Miller	1			
		cor SW4		Tyson			80	 	
90	2½ miles	Sec. 61, IIW] do.	J. T.	L. 3.	p >=0	80	15 ₂	
	northeast	cor. MW를		Gilbreth	Woods	<u> </u>			
e/ 91	3 miles	Sec. 61,	do.	J. J.	J. J.	1931	49	42	- 9.8
	north	NEŽNEŽ		Woodside	Woodside				
e/ 92	34 miles	Sec. 51,	do•	L. T.	pag and	1931	64		0
	north	$NW_{4}^{1}NE_{4}^{1}$		McConnell					1
	L		1 3	J. T.	A. B.	1935	84	15	0.5
	3g miles	Sec. 62, NW	do.	t .	i	1233	0-1	1.0	0.0
	north	cor. $IW_{\frac{1}{4}}$		Gilbreath	Hayes		<u> </u>	<u> </u>	
e/ 95	4 miles	Sec. 71,	do•	E. B. Hart			76		1.5
	northeast	· MWŦN.VŦ			į	ļ		1	
e/ 96	4 miles	Sec. 71,	do.	E. D. Hupp	=0	1919	80		0
- ⊄	northeast	nwinei		1	Wilterdin	7		ĺ	
0/ 98	4층 miles	Sec. 70,	do.	Mrs. E. II.		1911	113	 	0.3
<u>e</u> / 98	northeast	ne ļ iw <u>ļ</u> sv ļ	40.	Buhrmen	Hutchins	1011	110		
	I			<u> </u>	nuccinins	2010	300	 	
e/ 99	4호 miles	Sec. 63,	do.	Mrs. Tom		1910	100		0.9
	north	NM-PINA-F		Farris	Hatfield			<u> </u>	
102	6 miles	Sec. 65,	₫o∙	D. B. Head	-4	1916	67	4号	4
	north	SW-INE-	ı			1			
	6 miles	Sec. 68, SE	do.	W. M.	949 MB		64	4	0.5
	northeast		J 40.	•] 0.	"	000
	1	cor. NE4	7311.1 TO	Wilterding	 	1000	300	 	
c/104	7층 miles	Sec. 16,	Blk. W	Fred	J. Ni.	1935	125	155	C
	northeast	nełseł		Warren	White			1	
105	do.	Sec. 16,	do•	II. 14.	White	1935	94	14	
	1	SEASEA		Gablo		1			1
e/107	7 miles	Sec. 31,	do.	irs. Ethyl	A. B.	1932	100		pa na
¥	northeast	SWINE	40 \$	S.Eskridge	llayes		-00	1	1
100			3			1027	07	 	1 7 7
108	do•	Sec. 31,	do.	T. L.	T. L.	1934	33		1.8
	<u></u>	SEZNEZ		Hounge	liounce	L			
e/109	65 miles	Sec. 34,	$\mathrm{do}ullet$	К. К.	No.	Old	118		1.5
	northeast	MATHET		Smith		1		1	
				1					
e/110	do.	Sec. 31,	do.	Bill	, a		145	13	
₹ 110	1 40.	MW-SV-	40	·	1		1	1	
	 			Mathieson	Dempster	1 03 6		04	
111	do.	Sec. 32,	do.	do.	E.R.	1918	145	24	
		$NW_{4}^{\frac{1}{4}}SE_{4}^{\frac{1}{4}}$			Hart	<u> </u>			
e/113	6 miles	Sec. 52,	do•	do∙	do.	1919	140	24	3
	northeast	SW4SE4				1	1	1	
114	do.	Sec. 32,	do.	A. J.		1934	54:	12	1
		$\text{NW}_{\frac{1}{4}}^{\frac{1}{2}}\text{SE}_{\frac{1}{4}}^{\frac{1}{2}}$		Watson	Schoffner			1	1
	<u> </u>	111140114		11000011	POSTOR TITOS	1		1	L

W. L. Broadhurst. Project Superintendent

			W•	L. Bro	oadhurst.	, Project Superintendent
		Level				
No•	Depth	Date of	Pump	Use	Topo-	Remarks
	below	measure-	and	oſ	graphic	
	measur	- ment	power	water	situa-	
	ing po		<u>°</u> /	<u>d</u> /	tion	
	(fcet)					
74		Nov. 18,	Cf.G.	I	Gentle	Reported strong supply.
•		1936 f/	35		slope	Tropor out buroug burph.
75	20		T,C,	I	do.	No casing. Water reported from caliche rock.
.0	20	<u>s</u> /	40	-	40.	1.40 Odbitto. Wast Topol and Itom odditono tooks
77	16.7	Nov. 18,	T,G,	 	do.	40 foot 12-inch galvanized casing at top; 10-
7.1	TO 1	1936	1,00	1	3.0 •	
78		1990				inch easing to bottom.
10			None	1	do.	No casing. Reported well caved in.
- 20	O 4 7			<u> </u>		
7 9		Oct. 27,	T,E,	I	do•	Tin essing. Reported strong supply.
		1936 f/	30			Annalization agreement of the contract of the
85	14.7	Nov. 10,	C,W	S	do∙	Wo casing. Reported strong supply.
		1936				
88	10	<u>E</u> /	C.W	D,S	hei p.a.	Reported slight drawdown pumping 20 gallons a
						minute for 12 hours.
90	26	<u>s</u> /	T,G,	Ī	***	Reported 14 feet drawdown pumping 1,500 gal-
		ين	35			lons a minute for 12 hours.
91	5.4	Nov. 10,		Ī	Flat	Dug well. No casing. Strong supply reported
		1936	15	-		from white and red, sandy clay.
92	23.2	<u> </u>	T,G,	I	Centle	No casing. Reported highly mineralized. Re-
0.3	2012	1936 f/	30		slope	ported irrigated 70 acres in 1936.
93	26.3		T,G,	I	Flat	80 feet 15-inch easing at top. Reported irri-
50		1936	36	1 -	TIAC	gated 160 acres in 1936. Reported water level
95	24.7	<u></u>	Cf,G,	Ī	Gentle	
30		1936 f/		1 1	1	Reported irrigated rose during summer of 1936.
96			20		slope	75 acres in 1956.
96	19.1		Cf,G,	Ī	do.	Reported water level lowered in 1936. Re-
- 00		1936	25	ļ <u>.</u>		ported irrigated 60 acres in 1936.
98	1	Lay 20,	Cf,G,	Ī		Reported operated 420 hours pumping 700 gal-
		1937		ļ <u>.</u>		lons a minute. Irrigated 60 acres in 1936.
99	52	Hay 26,	T,G,	I	Gentle	No casing.
		1936		<u> </u>	slope	
102		Oct. 7, -	C.V.	D,S	Undu-	Steel casing. Water reported from sand. Re-
	L	1936			lating	ported 2 feet drawdown pumping 10-15 gallons a
103	6	Sept.30,	C,W	D,S	Gentle	Galvanized casing. Re- minute for 8 hours.
		1936		1	slope	ported strong supply.
104	57	Sept.29,	Cf,G,	I	do.	88 feet steel casing at top. Reported operat-
		1936	33			ed 2,730 hours pumping 850 gallons a minute.
105	57	<u>E</u> /	T,G,	I		Report. Irrigated 200 acres in 1936. See log.
			30	1	1	ed 15 feet drawdown pumping 1,500 gallons a
107	~-		T,G,	Ī	Gentle	Estimated yield, 500 gal- minute for 1 hour.
			16	1	slope	lons a minute.
108	36.5	Jan. 18,	T,G,	I	Flat	Reported operated 330 hours pumping 800 gal-
	ł	1937 f/	36			lons a ninute. Irrigated 40 acres in 1936.
109	1		Cf,G,	I	Gentle	Dug well. Re- Water reported from caliche.
	1	1936	25	"	slope	ported operated 764 hours pumping 85C gallons
			"		2 TO DO	a minute. Irrigated 18 acres in 1936.
110	24		Cf,0,	 		Reported 18 feet drawdown pumping 1,500 gal-
110	6-2	<u>s</u> /	25	+		
111	25 1	100 30		T		lons a minute for 30 minutes.
111			Cf,G,	+		Reported 20 feet drawdown pumping 1,200 gal-
777	L	1936	25	 		lons a minute for 15 minues.
113	4	Oct. 7,	Cf,0,	I	Flat	90 feet 24-inch casing at top; 50 feet 13-inch
	L	1936	25	<u> </u>		casing at bottom. Reported irrigates 240 acres.
114	i	Oct. 7,	Cf,G,	I	do.	Dug well, 0-25 feet; drilled well, 25-54 feet.
	<u></u>	1936 f/	20	1		Estimated yield, 750 gallons a minute.
			· · · · · · · · · · · · · · · · · · ·			,

		Records	s of wells	in Bailey Co	untyCont	inue	1		
									Height of
$No \bullet$	Distance	Section	Survey,	Owner	Driller	Date	Depth		measuring
	from	or	Block			com-	of	eter	point
	Muleshoe	Labor	or League			ple-		of	above
						ted	(ft.)	well	ground
								(in.)	(ft.) <u>a/</u> <u>b</u> /
116	6 miles	Sec. 32,	Blk. W	С. В.	A. B.	1927	45		3
	northeast	NEZSWZ		Huggins	Hayes				
117	do.	Sec. J2,	do∙	H. L.	do.		53	16	0.8
		MAFAMF		Dempster					
120	5 miles	Sec. 83, NV	Blk. Y	I. F.	1	1912	67	11	0
	northeast	cor. SW4		Wilman	house				
e/121	5g miles	Sec. 90, ce		Bradloy			1.20		
		E side SE4				<u> </u>			
e/122		Sec. 82, N	√] do•	W. T.		1911	150		- 2
	northeast	<u> </u>		Millen	<u> </u>				
e/123	$4\frac{2}{4}$ miles	Sec. 91,	do•	A. W.		1912	80		0.8
	northeast	iw ł sł		Darnell					
124	4 miles	Sec. 81, NV	V do.	S. D.	Krofft	1932	60		-12
	northeast	cor. NW		Beller					
126	4늘 miles	Sec. 81,	do.	I. W.	***	>	40	9	
	northeast	NETNET		Harden		<u> </u>			
127	4½ niles	Sec. 81, M	do.	C. A.	Cropp	1932	44	4	
	northeast	cor. ME		Reeves					
e/128	$4\frac{9}{4}$ miles	Sec. 92,	do.	H. L.	c.	1936	72		-16
	northeast	NM [‡] NE [‡]		Evans	Brutton				
<u>e</u> /129	5 miles	Sec. 48,	Blk. W	С. н.	Dompster	1913	141	16	-17
	northeast	NE ¹ NW ¹ / ₄		Whitehead	Co.				
e/130		Sec. 33,	do.	E. R. Hart	do•		140	12	-18.5
	northeast	NE <mark>1</mark> SE1							
e/131	do.	Sec. 34, HV	n do.	R. D.			59		0.3
		cor. SW		Precure	j	İ			
75.55					<u> </u>	2027		<u> </u>	
e/132	6g miles	Sec. 34, N	do.	J. A. Ryan	_	1913	77	13	1
	northeast	cor. SE4	_		Co.				
e/135	6 miles	Sec. 47,	do.	С. Н.		1918	150		0
	east	.MAŠRAŠ		LeHew		2020			
<u>e/136</u>	5½ miles	Sec. 48,	do.	C. A.	Wil-	1916	86	13	0
_ /1 nn	east	NW SE		Barnett	terding		100	1	
e/137	43 miles	Sec. 48,	do.	C. H.	A. B.		130	15	-11
740	east	Wishing	3 -	Whitehead	Hayes	1010		-	
140	42 miles	Sec. 49,	do•	L. L.	Dempster	1918	40	6	1
-/1 47	east	SWANWA		Lowry	Co.	1035	1-5	1 70	100
e/141	do.	do.	do•	go.	do.	1915	150	12	-16.5
7 6 77	4	0	7771. 77			2070		377	
` 143	4 miles	Sec. 93,	Blk. Y	C. II.	do.	1916	99	13	0.5
	east	SW-FW-F		Whitehead			1	İ	
		A				7 000	<u></u>		
145	34 miles	Sec. 77,	Blk. S-2	E. K.		1887	23	6	0.5
 	east	SMP NET	_	Warren					<u> </u>
151	5을 miles	Lab,	League 220	Janes Est.	Jones	1914	76	6	0.5
	east	SE ¹ / ₄ SE ¹ / ₄						 	
152	7½ miles		League 206	do•	ono 3mh		62	65	1.5
-/-35	southeast	NE 4			of man	1000	on to	<u> </u>	l curb.

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

b/ Measuring point was above ground unless indicated by minus (-) sign.

c/ C, cylinder; T, turbine; B, bucket; Cf, centrifugal; W, windmill; Ng, natural gas; H, hand; G, gasoline; E, electric; O, diesel or oil; number indicates horsepower.

	W. L. Broadhurst, Project Superintendent											
	Water	Level				AND THE PROPERTY OF THE PROPER						
No \bullet	Depth	Date of	Pump	Use	Topo-	Remarks						
	1 - 1	measure-	and	of	graphic							
	measu		power		situa-							
	ing po		,	1 ,	tion							
	(feet)		<u>e/</u>	<u>d</u> /	01011							
110			00.0		C = = ± 7 =	The second Developed seconds of 70 keeps seconds						
116	22.7		Cf,G,	I	Gentle	No casing. Reported operated 70 hours pumping						
		1936 <u>f</u> /			slope	1,400 gallons a minute. Irrigated 40 acres in						
117	35.5	Sept.29,		I	do.	Galvan- 1936. Reported altitude, 3,755 feet.						
		1936 <u>f</u> /	40	l		ized casing. Estimated yield, 1,400 gallons a						
120	28.7	Sept.30,	Cf,G,	I	do.	Gal- minute. Reported altitude, 3,787 feet.						
		1936 f/	20			vanized casing. Reported 22.5 feet drawdown						
121					95 100	See log. pumping 700 gallons a minute for 24						
						hours. Reported altitude, 3,797 feet.						
122	18.8	Maj 28,	Cf,G,	I		Reported irrigated 200 acres 3 times in 1936.						
2.20	1000	1937		1 -		Estimated yield, 1,000 gallons a minute.						
123	10.1	Nov. 10,		T	Gentle	Reported water level, 14 feet in 1912. Re-						
140	10.1	1936	15	1 -	1	, -						
704	7 0			 	slope	ported irrigated 100 acres in 1936.						
124	4.0	Sept.28,		I	Flat	No casing. Reported 13.7 feet drawdown pump-						
		1936 <u>f</u> /	18			ing 300 gallons a minute for 23 minutes.						
126	20	<u>s</u> /	T,G,	Ī		Reported 8 feet drawdown pumping 1,000 gallons						
-			30			a minute for 4 hours.						
127	14	g/	T,G,	I		Reported 6 feet drawdown pumping 900 gallons a						
			20		<u>}</u>	minute for 120 hours.						
128	2.1	Oct. 22,	Cf,G,	Ī	Flat	No cacing. Reported operated 300 hours pump-						
		1936			[ing 750 gallons a minute. Irrigated 38 acres						
129	2.7	Mar. 15,	Cf,G,	TI	Undu-	Esti- in 1936. Water reported in gray sand.						
		1937 f/	41		lating	mated yield, 750 gallons a minute. See log.						
130	2.9	Sept.29,	Cf,G,	 	Flat	100 feet steel casing at top. Reported oper-						
200		1936 <u>f</u> /	20	+	read	ated 300 hours pumping 600 gallons a minute.						
131	21.9	do.	Cf,G,	 	do.	Report- Irrigated 60 acres in 1936. See log.						
101	27.0	αο.		1 1	40.	report- irrigated of acres in 1900. See 10g.						
			25			ed operated 216 hours pumping 900 gallons a						
7.00	077 0					minute. Irrigated 7C acres in 1936. See log.						
132	23.2	do.	Cf,G,	I	1	18 feet 13-inch tin casing at top. Estimated						
			42		slope	yield, 800 gallons a minute. See log.						
135	17	Jan. 28,	Cf,G,	I	do.	Dug well, 0-14 feet; drilled well, 14-150 feet.						
		1937 <u>f</u> /	15	1		See log.						
136	15.4	Sept.28,	T,G,	I	do.	Water reported from coarse gravel. Estimated						
	1	1936 f/	20	1		yield, 1,050 gallons a minute. See log.						
137	3.6	Feb. 12,	Cf,G,	TI	do.	Steel casing. Estimated yield, 300 gallons a						
		1937 <u>f</u> /	60			minute. Sec log.						
140	18.7	Sept.28,		D,S	Flat	Galvanized casing.						
40	1	1936	H	D,0	1 1 4 3	agraticade agranta						
141	18.7	Sept.28,	Cf,G,	 		Dug well, 0-15 feet; drilled well, 15-150 feet.						
7.77	1 10.7		22	1 1								
		1936 <u>f</u> /	20		1	12-inch galvanized casing, 15-86 feet. Report-						
3.40	20 5		20.0	ļ		ed irrigated 65 acres in 1936. See log.						
143	22.5	do.	Cf,G,	I	Gentle	Dug well, 0-24 feet; drilled well, 24-99 feet.						
			20		slope	Reported operated 540 hours pumping 600 gallons						
					l	a minute. Irrigated 95 acres in 1936. Sec						
145	14.0	Oct. 16,	C,W	S	Undu-	Galvanized casing. Reported strong log.						
		1936	Ĭ		lating	supply.						
151	20.0	do.	C,W	D,S	do.	Do.						
	1											
152	43.1	Oct. 16,	C,W	S	do.	Steel casing. Reported 2 feet drawdown pump-						
		1936 <u>f</u> /	~ , ``			ing 25 minutes.						
37 T	L dame	27304 8	t		<u> </u>	a Tout industrial . I man						

d/ D, domestic; S, stock; I, irrigation; Ind, industrial; N, none.
e/ No water sample collected for analysis.
f/ See table of water level measurements for additional measurements.
g/ Water level reported.

		_ ,		-11-		•. •	,		
		Record	s of wells i	in Bailey Co	untyCon	tinue	<u> </u>	1	Height of
a. 	D	G	G	O man	Driller	Data	Donth	Di om-	measuring
No.	Distance	Section	Survey,	Owner	DUTTIEL	com-	of	eter	point
	from	or Talaan	Block			1	Ī	of	above
	Muleshoe	Labor	or League			ted		well	ground
						L ea	(100)	(in.)	(ft.)a/b
3.50	e2 3	T-L E	Teamin 207	Frag. Promio	A. M.	1933	59	1 777.	2
153	7点 miles	Lab. 5,	League 201	Mrs. Mamie Smith		1900	33		£
- /3 E A	southeast	NW de SW de	T 007	<u></u>	Busby H• J•	41 88	120	42	1.5
e/154	62 miles	Lab. 7,	League 203	A. L.	McCarty		120	=23	1.00
. /a.c.	southeast	NEZNEZ		McMurtry	do.	1928	129	5	
6/1 22	8 miles	Lab. 25,	do•	A. L.	uo.	1920	140	٦	
	south	SEZSWZ	703	Davis		7005	86	6	1
156	65 miles	Lab. 9,	League 191		Kim-	1925	00	0	1
	south	NE ¹ SE ¹		Miller	ball			ļ	2.8
157	5 miles	Lab. 20,	League 190	Halsell	60 140			6	2.0
	south	$SW^{\frac{1}{4}}$		Cattle Co.	Language parameter parameter parameter and the second parameter and t	ļ			<u> </u>
158	5 miles	Lab. 13,	League 204	Warren	>=		78	4号	1.5
	southeast	NE4				 			
e/172	2; miles	Sec. 58,	Blk. Y	do•					
	southeast	SE_{4}^{1}				<u> </u>			
201	32 miles	Lab. 6,	League 190	Halsell	us 04		77	4点	1.5
	south	SEŽSWŽ		Cattle Co.					
205	6 miles	Lab. 6	League 191	W. A.	ber 100		91		0.5
	south	₩₩		Mathis		l		ļ	
207	8 miles	Lab. 22,	League 188	Thitt-	~ ~		142	6	1.5
	south	SW ¹ SE ¹		ington					
e/210	8 miles	Lab. 13,	League 175	Mrs.Lucille		Old	113	45	0.5
ئىم	southwest	NE-NV-		Morley		l	ļ		
211	5를 miles	Lab. 19,	League 174	A.A. Kuchn	Pri 44		72	45	1
	southwest	. NEŽ		Ranch				-	
212	2 miles	Sec. 36,	Blk. S-2	Falsell	od 60	193-	42	45	1
	southwest	MV-SE-		Cattle Co.			<u> </u>		
217	$3\frac{1}{4}$ miles	Sec. 15,	Blk. Y	E. K.			20	6	1
	west	NEŻNIAŻ		Warren			ļ		ĺ
224	7 miles	Sec. 1,	do.	do.		Old	23	45	0.5
	west	NE SE					İ	"	
e/225	6 miles	Lab. 5,	League 174	A.A. Kuehn			48		2
	southwest	SWLINVL		Ranch		1			
2.26	8 miles	Lab. 13,	League 173	do.			53	5	0.5
	southwest	SEZNWZ				Ì	_		
227	85 miles	Lab. 1,	League 171	Paul Hig-		1925	82	42	0.5
~~ "	southwest	nwaswa		ginbotham			1		
228	92 miles	Lab. 18,	do.	Hale C.S.L.	T		37	6	1
220	southwest	胚量	43,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1		"		_
234	ll miles	Sec. 1,	Blk. F	V.V.II.			25	45	1
201	southwest	S side	DIA. I	Ranch			1	-72	
235	10 miles	Lab. 2,	Leorus 172	A.A. Kuehn		 	91	6	0
200	southwest	1W14	Hoagao air	Ranch			"	~	Ů
236	112 miles	Sec. 3,	Blk. O	V.V.II.		+	72	6	3.5
ಒಂ	southwest	$SE_{\frac{1}{4}}$	nam. O	Ranch			12		0.0
220		Coo 7				 	60	1]
200	10g miles	Sec. 2,	do.	do•	- AND DAG		50	47,3	<u>.i.</u>
040	west	S side Ng	7772 4	3 -		 	10	6	3
44U	15 miles	Sec. 29,	Blk. A	do∙			43	ן ט	J
047	west	· NE4				 		L	
241	13½ miles west	Sec. 42, $SE_{\frac{1}{4}}$	do.	do.				4	
	1717C. CT	• • • • • • • • • • • • • • • • • • • •							

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W. L. Broadhurst, Project Superintendent

			29 •	Tie DL	Jaunur's C	, Project Superintendent
	Wate:	Level				
No.	Denth	Date of	Pump	Use	Topo-	Remarks
		measure-	and.	of	graphic	
	measu		1	water	situa-	
	ł		,	,	tion	
	ing po		.9/	<u>d</u> /	tion	
	(feet					and the special of the special and the special and the special of
153	56.7	Oct. 13,	B.T.	D,S	Undu-	No casing.
	•	1936			lating	
154	78.9	do.	C,W	D,S	do.	Steel casing, top to bottom.
101		401	7 7 1 1	2,0	1	boods oubling, our so bivocolar
7			7.7.7			
155			C,W		do.	Galvanized casing, top to bottom. Water re-
					.	ported from sandy gravel.
156	64.0	Oct. 19,	C,W	D,S	do.	Steel casing.
	İ	1936		_		Ŭ
157	25.6	Dec. 3,	C,W	S	do.	Reported strong supply.
10,	20.0	1936	0,11		40.	retor on porour subbra.
						annaga Jasando dan danda Asambanganan at at danda dagang managang managang managang managan sa danda da da danda da da danda da tababan da da da danda da tababan da da da da da da da da da da da da da
158	31.1	Oct. 16,	C,W	S	do.	Steel casing. Reported strong supply.
		1936		İ	1	
172	~=				do.	фольсорция и сель продремення обращения обращения обращения продремення продости по обращения по обращения обращения обращения по обращения обращ
201	76 6	Oct. 14,	C,W	S	1 3	The control of the co
201	30.0		Upil	ه۱	do.	Steel casing.
		1936		<u> </u>		
205	53.8	Oct. 19,	C,W	D,S	do.	Wood curb.
		1936			l	
207	95.0	do.	C,W	D,S	do.	Steel casing. Reported strong supply.
201		400	0,1,	,,,	43.	o o o o a o a constant a constant o o a o o o a constant a
07.0	20 1		CI THE		ļ	
210	88.1	₫o∙	C,W	S	do.	Galvanized casing. Reported strong supply.
					L	
211	52.4	Oct. 15,	C,W	S	Flat	Stoel casing.
		1936				
212	21.1	do.	C,:/	S	do.	Do.
~	22.42	401	0 ,.,	~	a.	D0•
03.67		0 1 00	A 77	<u> </u>	<u> </u>	
217	11.0	Sept.26,	C,W	S	Gentle	Steel casing. Estimated yield, 15-20 gallons
	Į					a minute.
	<u> </u>	1936			slope	
224	12.0	1936 Sept.25,	C,W	\$	do.	
224	12.0	Sept.25,	C,W	S		Steel casing. Estimated yield, 10-15 gallons
		Sept.25, 1936				Steel casing. Estimated yield, 10-15 gallons a minute.
224		Sept.25, 1936 Oct. 15,		S		Steel casing. Estimated yield, 10-15 gallons
225	40.7	Sept.25, 1936 Oct. 15, 1936	Cf,G,	I	do.	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years.
		Sept.25, 1936 Oct. 15,				Steel casing. Estimated yield, 10-15 gallons a minute.
225 226	40.7	Sept.25, 1936 Oct. 15, 1936 do.	Cf,C,	I	do.	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years. Galvanized casing. Reported strong supply.
225	40.7	Sept.25, 1936 Oct. 15, 1936	Cf,G,	I	do.	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years.
225 226	40.7	Sept.25, 1936 Oct. 15, 1936 do.	Cf,C,	I	do. Flat	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years. Galvanized casing. Reported strong supply.
225 226 227	40.7	Sept.25, 1936 Oct. 15, 1936 do.	Cf,C, C,W	I S	do. Flat Undu- lating	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years. Galvanized casing. Reported strong supply. Galvanized casing. Reported weak supply.
225 226	40.7 42.7 74.3	Sept.25, 1936 Oct. 15, 1936 do. do.	Cf,C,W C,W	I S	do. Flat	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years. Galvanized casing. Reported strong supply.
225 226 227 228	40.7 42.7 74.3 17.9	Sept.25, 1936 Oct. 15, 1936 do. do.	Cf,C,W C,W C,W &	I S D,S	Flat Undu- lating Flat	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years. Galvanized casing. Reported strong supply. Galvanized casing. Reported weak supply. Wrought iron easing.
225 226 227	40.7 42.7 74.3 17.9	Sept.25, 1936 Oct. 15, 1936 do. do. Oct. 20, 1936 Dec. 10,	Cf,C,W C,W C,W &	I S	Flat Undu- lating Flat Undu-	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years. Galvanized casing. Reported strong supply. Galvanized casing. Reported weak supply.
225 226 227 228 234	40.7 42.7 74.3 17.9	Sept.25, 1936 Oct. 15, 1936 do. do.	Cf,C,W C,W C,W & H C,W	I S S D,S	Flat Undu- lating Flat	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years. Galvanized casing. Reported strong supply. Galvanized casing. Reported weak supply. Wrought iron easing.
225 226 227 228	40.7 42.7 74.3 17.9	Sept.25, 1936 Oct. 15, 1936 do. do. Oct. 20, 1936 Dec. 10,	Cf,C,W C,W C,W & H C,W	I S D,S	Flat Undu- lating Flat Undu- lating	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years. Galvanized casing. Reported strong supply. Galvanized casing. Reported weak supply. Wrought iron casing. Steel casing. Reported strong supply.
225 226 227 228 234	40.7 42.7 74.3 17.9 19.0	Sept.25, 1936 Oct. 15, 1936 do. do. Oct. 20, 1936 Dec. 10, 1936 Oct. 15,	Cf,C,W C,W C,W & H C,W	I S S D,S	Flat Undu- lating Flat Undu-	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years. Galvanized casing. Reported strong supply. Galvanized casing. Reported weak supply. Wrought iron casing. Steel casing. Reported strong supply. Steel casing. Reported 21 feet drawdown pump-
225 226 227 228 234 235	40.7 42.7 74.3 17.9 19.0	Sept.25, 1936 Oct. 15, 1936 do. do. Oct. 20, 1936 Dec. 10, 1936 Oct. 15,	Cf,C,W C,W C,W & H C,W	I S D,S	Flat Undu- lating Flat Undu- lating do.	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years. Galvanized casing. Reported strong supply. Galvanized casing. Reported weak supply. Wrought iron casing. Steel casing. Reported strong supply. Steel casing. Reported 21 feet drawdown pumping 16 gallons a minute for 96 hours.
225 226 227 228 234	40.7 42.7 74.3 17.9 19.0	Sept.25, 1936 Oct. 15, 1936 do. Oct. 20, 1936 Dec. 10, 1936 Dec. 15, 1936 Dec. 10,	Cf,C,W C,W C,W & H C,W	I S S D,S	Flat Undu- lating Flat Undu- lating	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years. Galvanized casing. Reported strong supply. Galvanized casing. Reported weak supply. Wrought iron casing. Steel casing. Reported strong supply. Steel casing. Reported 21 feet drawdown pump-
225 226 227 228 234 235 236	40.7 42.7 74.3 17.9 19.0 55.1 39.5	Sept.25, 1936 Oct. 15, 1936 do. Oct. 20, 1936 Dec. 10, 1936 Oct. 15, 1936 Dec. 10, 1936	Cf,C,W C,W C,W & H C,W	I S D,S S	Flat Undu- lating Flat Undu- lating do. do.	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years. Galvanized casing. Reported strong supply. Galvanized casing. Reported weak supply. Wrought iron casing. Steel casing. Reported strong supply. Steel casing. Reported 21 feet drawdown pumping 10 gallons a minute for 96 hours. Steel casing. Reported strong supply.
225 226 227 228 234 235	40.7 42.7 74.3 17.9 19.0 55.1 39.5	Sept.25, 1936 Oct. 15, 1936 do. Oct. 20, 1936 Dec. 10, 1936 Dec. 15, 1936 Dec. 10,	Cf,C,W C,W C,W & H C,W	I S D,S	Flat Undu- lating Flat Undu- lating do.	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years. Galvanized casing. Reported strong supply. Galvanized casing. Reported weak supply. Wrought iron casing. Steel casing. Reported strong supply. Steel casing. Reported 21 feet drawdown pumping 16 gallons a minute for 96 hours.
225 226 227 228 234 235 236	40.7 42.7 74.3 17.9 19.0 55.1 39.5	Sept.25, 1936 Oct. 15, 1936 do. Oct. 20, 1936 Dec. 10, 1936 Oct. 15, 1936 Dec. 10, 1936	Cf,C,W C,W C,W & H C,W	I S D,S S	Flat Undu- lating Flat Undu- lating do. do.	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years. Galvanized casing. Reported strong supply. Galvanized casing. Reported weak supply. Wrought iron casing. Steel casing. Reported strong supply. Steel casing. Reported 21 feet drawdown pumping 10 gallons a minute for 96 hours. Steel casing. Reported strong supply.
225 226 227 228 234 235 236 238	40.7 42.7 74.3 17.9 19.0 55.1 39.5	Sept.25, 1936 Oct. 15, 1936 do. Oct. 20, 1936 Dec. 10, 1936 Dec. 10, 1936 Oct. 9, 1936	Cf,C,W C,W C,W & H C,W C,W	S S S D D S D S D S	Flat Undu- lating Flat Undu- lating do. do.	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years. Galvanized casing. Reported strong supply. Galvanized casing. Reported weak supply. Wrought iron casing. Steel casing. Reported strong supply. Steel casing. Reported 21 feet drawdown pumping 10 gallons a minute for 96 hours. Steel casing. Reported strong supply. Steel casing. Reported strong supply.
225 226 227 228 234 235 236	40.7 42.7 74.3 17.9 19.0 55.1 39.5	Sept.25, 1936 Oct. 15, 1936 do. Oct. 20, 1936 Dec. 10, 1936 Dec. 10, 1936 Oct. 9, 1936 Dec. 10,	Cf,C,W C,W C,W & H C,W	I S D,S S	Flat Undu- lating Flat Undu- lating do. do.	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years. Galvanized casing. Reported strong supply. Galvanized casing. Reported weak supply. Wrought iron casing. Steel casing. Reported strong supply. Steel casing. Reported 21 feet drawdown pumping 10 gallons a minute for 96 hours. Steel casing. Reported strong supply.
225 226 227 228 234 235 236 238	40.7 42.7 74.3 17.9 19.0 55.1 39.5 34.4	Sept.25, 1936 Oct. 15, 1936 do. Oct. 20, 1936 Dec. 10, 1936 Dec. 10, 1936 Oct. 9, 1936	Cf,C,W C,W C,W C,W C,W C,W	I S D,S S D,S	Flat Undu- lating Flat Undu- lating do. do. do.	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years. Galvanized casing. Reported strong supply. Galvanized casing. Reported weak supply. Wrought iron easing. Steel casing. Reported Strong supply. Steel casing. Reported 21 feet drawdown pumping 16 gallons a minute for 96 hours. Steel casing. Reported strong supply. Steel casing. Reported strong supply. Steel casing. Reported strong supply.
225 226 227 228 234 235 236 238	40.7 42.7 74.3 17.9 19.0 55.1 39.5	Sept.25, 1936 Oct. 15, 1936 do. Oct. 20, 1936 Dec. 10, 1936 Dec. 10, 1936 Oct. 9, 1936 Dec. 10,	Cf,C,W C,W C,W & H C,W C,W	S S S D D S D S D S	Flat Undu- lating Flat Undu- lating do. do.	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years. Galvanized casing. Reported strong supply. Galvanized casing. Reported weak supply. Wrought iron casing. Steel casing. Reported strong supply. Steel casing. Reported 21 feet drawdown pumping 10 gallons a minute for 96 hours. Steel casing. Reported strong supply. Steel casing. Reported strong supply.
225 226 227 228 234 235 236 238	40.7 42.7 74.3 17.9 19.0 55.1 39.5 34.4	Sept.25, 1936 Oct. 15, 1936 do. Oct. 20, 1936 Dec. 10, 1936 Dec. 10, 1936 Oct. 9, 1936 Dec. 10,	Cf,C,W C,W C,W C,W C,W C,W	I S D,S S D,S	Flat Undu- lating Flat Undu- lating do. do. do.	Steel casing. Estimated yield, 10-15 gallons a minute. Reported not used in several years. Galvanized casing. Reported strong supply. Galvanized casing. Reported weak supply. Wrought iron easing. Steel casing. Reported Strong supply. Steel casing. Reported 21 feet drawdown pumping 16 gallons a minute for 96 hours. Steel casing. Reported strong supply. Steel casing. Reported strong supply. Steel casing. Reported strong supply.

Records of wells in Bailey County--Continued

Record Property		,	ricoor a	T OI WOLLD	in Bailey C	7 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	1	<u> </u>	T	Fioignt of
Railey	IJ.	Diatono	Soution	Guarross	Oumon	Drillor	Dete	Danth	Dian-	
Balley	MO•	i .	1		Owner	DITTIGI	3			
Doro Doro		I	i .	1			3	ŧ	5	1 -
Soc. 11\frac{1}{2} \text{ miles Sec. 27 Bhr. A Y.V.N. 01d 91 3 6.2 0.2 0.2 11\frac{1}{2} miles Sec. 135 de. de. de. Sours 0.500 2 \text{ miles Sec. 117 cen. de.		, "	Labor	or League			, -		(
Soc 11in miles Sec 87 81\text{in manch Single Sec 13\text{in miles Sec Sec 13\text{in miles Sec		poro			1		Tea	(100)		
		 				L	L			
Soc 15 miles Sec. 185 do. do. S. E. 1956 240 Cost 1958 240 Cost 1958 240 Cost 1958 241 Cost 1958 241 Cost 1958 241 Cost 1958 241 Cost 1958 241 Cost 1958 241 Cost 1958 241 Cost 1958 241 Cost 1958 241 Cost 1958 241 Cost 1958 241 Cost 251 C	301			BIE. V	±		Ord	91	15	0.2
		1				-				
	302	, ~		do.	do.	5	1936	240		0
Northwest S. side Lab Pugua Ref. Co.								<u></u>	<u> </u>	
Sec. 146 do. N.	e/303	清 miles			W. F.	Humble Mil	1923	4,100	6 /3	
						& Ref. Co.	<u> </u>			
Soc 15 miles	304	3 miles	Sec. 146,	do.	V.V.II.	1-0 400	****	91	4	1
morthwest SW-SCW-2 Estate Carty		west	MEŞSEŞ		Ran c h		i	1		1
northwest SW-SW-S League 170 V. E. Lays 109 4 2.5 state	3 08	1 miles	Lab. 18,	League 169	W. I. Bell	I.c	1927	58	5_{13}	1.5
State		1 +		l ü	i	Į.	l	İ	, , ,	
Northwest Sheet	310			League 170				109	4.5	2.5
Simile					1	,	1	1		
North	e/311			do	do-		 -	82	-	0.5
Size Size	2,011			40.	40.			02		,,,,
Northwest NV	210			Toomio 760	<u> </u>		1034	107		1 5
313 do. do. do. do. do. 1932 680 5- 1.3 314 12 miles Lab. 11, do. Lale 65 0.4 north NE-SE2 C.S.L. 13 0.4 137 mile Lab. 22, League 177 E. W. 13 0 northeast ME2	OIL	; ~		reagne 103	1	i	100.8	10,		1.0
314 12 miles Lab. 11, do. hale 65 0.4	(2) 12	·				THE RESERVE AND ADDRESS OF THE PERSON NAMED IN COLUMN 2 IN COLUMN	2000		<u> </u>	1 17
314 12 miles	313	do.	do.	do.	do.	go.	1932	650	4 .	1.5
Northeast New					4		<u> </u>		3/16	
String S	314	} ~		do.	3			65 ;		0.4
Northeast NE 1		5	in					İ	1	
Second Columbia	317	을 mile	Lab. 24,	League 177	E. W.			13		0
Northeast No.		northeast	$ME_{\overline{J}}^{\frac{2}{2}}$		Hiller	l t	-			
Northeast NE-NE-4 Sease 193 N. C.	321	35 miles	Lab. 1,	do.	G. W.	to the second se		86		0.4
Seast SW SW SW SW SW SW SW S		northeast	NEWEŁ	i	Turpin				,	
east SW	322	5 miles		League 193		Mor-	1934	104		0.8
Seast Seatt Seast Seast Seast Seast Seast Seast Seast Seat		east	SW÷	J	•	9				
east	323		Lab. 12.	do.				130	14=	
S24 6 miles cab. 25, cague 192 T. P.		:					ľ			
northeast SW\(\frac{1}{2}\)	324			League 192	TT. P.	 	ित्त	118	4	
Ref	0.01	•	angang	Docebao Top	i	,	1 0 4 4		3	1 -
Northeast NE ¹ / ₄ W ¹ / ₂ Ge A. L. F. L. 1915 141 6 2	0/326	75- miles	Joh 5			Tráza	1027			
329 She miles Lab. 2, do. A. L. F. L. 1915 141 6 2	9/020		made o,	40.	t '		-36		!	-
Northeast Cen. Davis Seaulon	320						1036	 		
Columbia	029		•	ao.	3		17972	747	0	1 6
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1250			 			7074	7.55		
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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	331	, , , ,		League 202	•			136	b	1.5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			SE ₄				<u> </u>	 <u></u>		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3 88		Lab. 2,	do.	1	1	1920	137	4克	0.5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$								Ĺ		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	334		Lab. 3,	League 203	4	f	1933	160	5	0.5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			NE表NE者		Gage	White	L .			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	e/335	12g miles	Lab. 8,	do.	irs	lic		123		0.2
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		northeast	NE-		Massie	Carty	i	ŕ	ĺ	To a Angelona
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	336	10g miles		League 200	f	***		149		0.4
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				Š			,			1
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	338			League 201	Jeff G.	***		203	gel van	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1			ŧ .			200		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	34.1			League 200				725	4	. 3.9
342 11 miles Lab. 13, League 210 J. R. J. M. 1936 177 5-5/3 1.5	Out T	, ,-		TOUR ON POOL	3			3.60	±	J • &
	3/19	L		T00770 230		T he	1020	7 77 7	E = /2	,
TOUSE F UNIT I FULL SON I WHITE I I I I	JEA	1		ביים מנוט בעט		-	Tago:	71/	o~5/3	1.5
1111011 111100		east.	11774		MILSON	Wille	L			

-14Project Superintendent

			w.	L. Bro	adhurst	, Project Superintendent
	I	Level				
No.	Depth	Date of	Pump	Use	Topo-	Renarks
	below	measure-	and	of	graphic	
	measur	- ment	power	water	situa-	
	ing po			d/	tion	
	(feet)					
301		Oct. 21,	C,W	S	Flat	Steel casing. Reported strong supply.
		1936	,			groom construction and the arms of the first
302	107.4	Nov. 7,	Mone	- 11		Reported slight seop, 15-20 gallons in 12
000	ľ	1936	1.0		}	hours at 90 feet.
303						Oil tost. See log. Reported altitude, 3,920
000					i	feet.
304	67	Nov. 20,	C,W	S	Centle	Wrought iron casing. Reported strong supply.
204	0,	1936	10011	1		intourne from capture. Telotreer perong publity.
308	49.4	do•	ट,ण	D,S	slope do.	Galvanized casing, to to bottom. Strong sup-
000	43.4	40•	0911	د, ر	40.	
770	04 5					ply reported from sand.
310	94.5	do.	C,W	D,S	do.	Steel casing. Reported 9.5 feet drawdown pump-
						ing & gallon a minute for 10 minutes.
311	77.8	Nov. 19,	C,W	IJ	Flat	Reported highly mineralized. Reported weak
		1936				suprly.
312	67.0	Nov. 20,	C,W	D,S	Gentle	Steel casing, top to bottom. Strong supply
		1936			slope	reported from coarse sand.
313	Flows	do.	None	S	do.	619 feet steel casing at top. Reported esti-
		ļ			ł	mated flow, 1 pint a minute. Water reported
314	58.8	do∙	C,E	D,S	do.	Concrete curb. from sand.
						de man valgrage, ontre apriliant descriptions
317	9.9	Jan. 6,	В,Н	D,S	Hill-	Dug well. Wood curb; no casing. Strong sup-
		1937	-		side	ply reported from sand.
321	68.2	I	C,W	D,S	Gentle	Concrete curo.
		1936		- ,-	slope	
322	80.0	Feb. 22,	C.W	D,S	do.	No casing. Strong supply reported from coarse
		1937 f/		- ,-		sand.
323	124	<u> </u>	C.W	D,S	Flat	Casing, top to bottom. Reported strong supply.
020	1.01	<u> 2</u>	","	,,,	11440	Reported irrigates small garden in summer.
324	107.7	Oct. 14,	C.W	D,S	Hill-	Reported partially sanded up.
ULT	10.0.	1936	","	1 2,0	side	ropor son bar grant's paraon at.
326		1300		D,S	Undu-	Reported strong supply. Reported irrigates
020				טפע	lating	small garden in summer.
720	11C C	Oct. 13,	C,W	D,S		Steel casing, top to bottom. Strong supply
323	170.0	1	U , W	دو لا	do•	
770		1936	Q 37	7		reported from sandstone. See log.
330			C,W	D,S	do.	Galvanized casing, top to bottom. See log.
12 12 4	368 4	D = -		 	0-13	
33L	127.4	Dec. 3,	C,W	D,S	Gentle	Galvanized easing. Reported strong supply.
		1936			slope	
333	107.5	Oct. 13,	C,W	D,S	Undu-	125 feet steel casing at top. Strong supply
		1936	L	<u> </u>	lating	reported from rock.
334			C,S	Ind		S, steam pump. Steel casing, top to bottom.
				<u></u>		Supplies cotton gin.
335	103.7	Nov. 11,	C,W	S	Centle	Reported slightly mineralized.
		1936	1		slope	
336	129	Nov. 6,	C,W	D,S	do.	Located near lake.
		1936	-			
338			C,W	D,S	do.	Reported weak supply.
550						T
341	102.6	Jan. 6,	B,H	D	Hill-	Tin casing.
مد د پ	20210	1937	_ ,,,,	-	side	
349	151.7	do.	C,W	D,S	Flat	173 feet steel casing at top. Reported 4 feet
O I A	101.		","	1	1 2 4 4	drawdown pumping 7-10 gallons a minute for 3
		·		L	L	hours.
						Print, in-injurity-distings

-15Records of wells in Railey County--Continued

-		Record	s of wells	in Bailey Co	ountyCont	inue	1		
No.	Distance from	Section or	Survey, Block	Owner		Date com-	Depth of	eter	Height of measuring point
	Bailey- boro	Labor	or League			ted	well (ft.)	of well (in.)	above ground (ft.)a/b/
343	13 miles east	Lab. 2, NW l	League 212	Judge J. H. Gay	ant 2mb	Old	280		0
344	102 miles east	Lab. 6, SW1	League 211		Agit		230	4,3	BPE vise
345	ਹੋੜ miles southeast	Lab. 16,	League 199	Paul Bros.			103		0.8
3 46	92 miles southeast	Lab. 6,	League 198	C. Robison	·	•••	152		0.9
347	8 miles southeast	Lab. 23,	League 195	Paul Bros.	pig tus		69	6	0.5
e/3 55	5 miles southeast	Lab. 4, NE 1/4 NW 1/4	League 184	H. L. Wilson	upr MB		171	4.	0.4
<u>e/357</u>	7 miles	Lab. 2,	League 195		en pil	01d	17	6	O
3 58	$4\frac{6}{4}$ miles east	E. side	Survey 9, League 185	V. C. Bass	Johnny Angle	1934	154	5	0.6
359	3 miles	$SE_{4}^{1}SE_{4}^{1}$	Survey 1, League 185	Loyd	do.	1935	80	6	0.7
360	24 miles east	Lab. 10, SW ¹ ₄ SE ¹ ₄	League 178	G. L. Blackshear	ma pra		29		0.6
e/362	1 mile	Lab. 15, $SW_{\frac{1}{4}}^{\frac{1}{4}}NW_{\frac{1}{4}}^{\frac{1}{4}}$	do.	Federal Land Bank		Old			
367	ੀੜੇ miles south	Lab. 17,	do.	dd	.er 84		Sprin	: : -= !	
369	la miles southeast	Lab. 18, $NE_{\frac{1}{4}}^{1}NE_{\frac{1}{4}}^{1}$	do•	J. P. Upton		1935	25		0.6
370	$4\frac{1}{2}$ miles southeast	Lab. 20, SE_4^1	League 179		Weeks and Jenkins	1927	30	4意	1
e/372	5 miles southeast	$SE_{\frac{1}{2}}^{\frac{1}{4}}$	Survey 12,		Nor-		39		1.4
373	1	· S 	do.	do.			Sprin	<u> </u>	***
376	62 miles southeast	Lab. 26, SE ¹ ₄ SW ¹ ₄	League 183	I. C. Enochs	ME AM	014		6	# THE STREET
377	6 miles	Lab. 22, SELSEL	League 160	I	CO MA		76		1
378	$\frac{4^{1}_{2}}{2}$ miles south	Lab. 25, SW ¹ ₂ SW ¹ ₄	League 179	J. T. CCar- ty Estate	S. E. Hall	1928	160	6	
9/379		Lab. 5, SW4	League 166	I	Nor- dyke		173		0.4
380	7 miles southwest	Sec. 91, SW ¹ MW ¹	Blk. B	G. F. Shaver		1925	89	45	0.5
381	6 miles southwest	Sec. 64,	do.	L. E. Smith	THE LOS	1934	142	编	0
382		Sec. 65 , $NE_{\frac{1}{4}}^{\frac{1}{2}}$	do.	John L. Sears	Fer- guson	1936	59		0.5
386	5½ miles west	Sec. 24, SEANE	do.	E. X. Erickson	James Cun- ningham	1930	111	4	0.3
387		Sec. 48 , $NE_{4}^{1}SE_{4}^{1}$	do.	D. E. Glousey	Frances Graves	1925	206	G	1
338	8 miles southwest	Sec. 62 , $NW_4^1 NV_4^1$	do.	F. R. Kopplin	James Cun- ningham	1930	192		ge ni
-	1	4			Andreas de la companya de la company	<u> </u>	L	L	

W. L. Broadhurst, Project Superintendent

			W.	L. Jr	padhurst	, Project Superintendent
	1 .	r Level				
No.	Depth	Date of	Pump	Use	Topo-	Remarks
	below	measure-	and	of	graphic	
	measur	- ment	power	water	situa-	
	ing po	oint		d/	tion	
	(feet		2	'		
343	1	Dec. 9,	C,W	D,S	Undu-	Reported strong supply.
0.40	1	1936	0 9	,,,	lating	Troiter and paroug purposit
344	60	<u> </u>	Cov	D,S		Water reported from sand.
344	00	<u>s</u> /	لا'و ∪	υ,ο		water resorted from Sand.
						A STATE OF THE PARTY OF THE PAR
345	80.6	Dec. 9,	C.W	D,S		Reported strong supply.
		1936				
346	136.8	do.	C,II	D,S	Centle	Reported some casing at bottom; none at top.
					slope	
347	48.9	Nov. 24,	C,W	S	Hill-	Steel casing. Reported strong supply.
		1936			side	
355	97.5	do.	CIT	S	do.	Steel casing.
			-			, 1
357	11.1	do.	C,77	S	Gentle	Located near dry lake.
•••			٠,		slope	
358	87.5	Dec. 2,	C,W	D,S	Undu-	Galvanized casing. Reported wealt supply.
600	01.0	1936	٧,٠٠	υ,υ	lating	darvanisha cashig. Reported near sappra
359	53.3		C.W	D 0	racrus	7 On the selection of the selection of
259	20.0	do.	۷.و∪	D,S		3 feet galvanized casing at top. Reported
5.00		<u> </u>				strong supply.
360	20.3	Jan 6,	C,W	D,S	Draw	See log.
		1937				The state of the s
362			C ,	D,S	Gentle	Do.
					slope	
367	Flows	Nov. 3,		11	Draw	Estimated flow, 5 gallon a minute from seep in
		1936				sandy clay and alkali rock.
369	16.9	Dec. 2,	C.I.	S	Flat	No casing. Water reported from fine sand.
		1936				1
370	27.2	Nov. 24,	0,7/	D,S	mill-	Steel casing. Reported weak supply.
		1306			side	
372	23.6	Jan. 6,	C,W	D,S	Gentle	No casing. Reported strong supply.
0,.,	. 2010	1937	↓ j	D , C	slope	no oneine, mobol our perone embirit
373	Floure	Nov. 24,	Hone	n e		Estimated flow mallen a minute from seeing
010	TIOMS	1936	110116	D,S	DI an	Estimated flow, g gallon a minute from seeps
777	707	*	AT			in gravel and sand.
310	FIOWS	Nov. 19,	None	S	do.	Estimated flow, 2-1 pint a minute. Located
		1936				near edge of lake.
377	73.7	do∙	C,II	S	Hill-	Reported strong supply.
					top	
378	100	ξ/	C , W	D,S	Gentle	Galvanized casing, top to bottom. Strong sup-
					slope	ply reported from fine, white sand. See log.
379	135	Jan. 5,	C,W	D,S	Flat	Reported weak supply. See log.
		193 7	_			
380	81.2	Oct. 28,	C,W	D,S	Gentle	Reported strong supply.
- '		1936	•	• -	slope	The state of the s
381	121.3	do.	C.W	D,S	Flat	Steel casing. Pumping level, 140 feet. Re-
J J J			∵ , , , ,	טע	ا ایک شد. د	ported well partially sanded up.
382	38.8	do•	C,W	S	Gentle	
204	00.0	40•	لا، و ∪	0		No casing. Reported weal supply.
700	302 4	0.00			slope	
200	100.4	Oct. 29,	C,I	D,S	do•	Galvanized casing, top to bottom. Reported
		1936	-			strong supply.
387	194.0	Oct. 28,	C,W	D,S	do•	20 feet steel casing at top; 20 feet perfo-
		1936				rated casing at bottom. Reported weak supply.
388	1.85	g/	C,W	D,S	do∙	Reported strong supply.
		,				

Records of wells in Bailey County--Continued

	.,	Record	s of wells :	in Bailey Co	ountyCon	tinuo	1		77 7 7 7
					7	70.1.	T	D:	Height of
No•	Distance	Section	Survey,	Ovmer	Driller	•		Diam-	measuring
	from	or	Block			com-	of	eter	point
	Bailey-	Labor	or League			: +	well	of	above
	boro					ted	(ft.)	well	ground
						<u></u>		(in.)	(ft.)a/b/
389	9 _{ලි} miles	Sec. 87,	Blk. B	F. L.			140	46	1
	southwest	SEZWZ		Stegal		!			
e/390	10 miles	Sec. 73,	do.	C. C.	Pete	1930	177	4章	~-
	southwest	SEZSEZ		Lancaster	Krofft				
391	3 miles	Sec. 35,	do.	Temple			140	24.00	4.
	west	SEZWYZ		Trust Co.			1	!	
393	75 miles	Sec. 22,	do.	S. P.	P4 88	34 00	158	4층	3
	west	SEANE	1	Phipps				-~	
a/394	92 miles	Sec. 21,	do.	Temple	Cecil	1930			pd set
2,00	west	SWAWWA	ao.	Trust Co.	1	1300			
205			3.		Stephens	1020	050		
3 95	do.	Sec. 20,	do∎	C. W.	John	1930	256	43	
		SEŽNEŽ		Williams	Angle				
396	ll g miles	Sec. 58,	do.	E. X.	H. L.	1931	102	## t-#	
	west	N₩ <u>₹</u> ₩₩ <u>₹</u>		Erickson	Carpenter				
397	12 miles	Sec. 84,	do.	н. н.	Claude	1933	176		1
	southwest	SW-NE-		Gaddy	Furgeson				
398	11 miles	Sec. 21,	Blk. CIM	ccelvey Loa		1930	146		0.5
	southwest	SE TIVE T		vestment Co					1
399	13½ miles	Sec. 32,	do.	W. P.	do.	1929	142	<u> </u>	0.8
000	southwest	WEAMEA	٠	Goodrum	40.	1.020	1		000
400	15 miles	Sec. 45,	do. Hi	cCelvey Lon	i	 -	93	4:3	1.5
400							30	±.3	1.0
403	southwest	SE4SW4		vestment Co.		7.00			
40T	16 ੈ miles	Lab. 23,	League 163	do.	Nor-	1934	86	4-5/8	1
	southwest	IW를			dyke				
405	14 miles	Lab. 12,	League 161	do.		1914	1.25	~~	0.7
	southwest	MATMAT.					L		
406	d o•	Lab. 17,	League 143	Frank			95	PR 1174	0.4
	_	SE4SW4		Daricek					
408	10g miles	Sec. 37,	Blk. C	Ε.		1936	107		0.3
	southwest	SW ¹ / ₄ SE ¹ / ₄		Schmocker					
409	10 miles	Sec. 24,	do.	7. A.		1 901	95	6	1.5
	southwest	1 '		Tisdale				1	
410	8 miles	Sec. 10, W	. Blk. F	J. D.		1933	110		0.5
±10	southwest	side S) DIX. I	Laney		1300	1 770		1
(11	10 miles			<u></u>	-	67.3	70	5	0.2
411	1	Sec. 12,	do.	J. C.		Old	72	1 5	0.3
	south	SE ^글		Mitchell	<u> </u>				L
412	12点 miles	Lab. 15,	League 142	?	Tone	1925	109		1.5
	south	NE <u>d</u> SE <u>d</u>		Robinson		L	<u> </u>	<u> </u>	
413	13 miles	Lab. 25,	League 124	J. Y.		1923	102	5	0.5
	south	SW cor.		Roberts			;	1	
414	do.	Lab. 25,	League 121	Woolsey	Carl	1936	103	200	1.2
	1	SEZSEZ	Ü	and Davis	Williams		ļ		
4.15	ll miles	Lab. 17,	League 123				107		0.5
***	south	SE½	200000 100	Wilson		1	1 -~'		
ATO	75 miles	Lab. 5,	League 135		Johnnie	1926	66		0.4
410	1	Tab. 0,	reagae 100	3	1	1320	00	-	0.4
	south	$SE_{4}^{1}SE_{4}^{1}$		School	Angle		<u> </u>	<u> </u>	
419	82 miles	Lab. 84,	League 181	1			61		1.2
	south	cen.		Enochs	<u></u>				<u></u>
420	7g miles	Lab. 55,	do•	do.		244	99	4	1
-	south	W4						1.	
421	8을 miles	Lab. 74,	League 182	Mrs. J. T.	~ **	1925	109	4	0.9
	south	$NE_4^{\frac{1}{4}}$		Roy					
		. 7.0	,						

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W. L. Broadhurst, Project Superintendent

	, 		1/•	۲۰ز. ویل	padnurst.	, Project Superintendent
		Level				
No.	Depth	Date of	Pump	Use	Topo-	Remarks
	below	measure-	and	of	graphic	
	measur	- ment	power	water	situa-	
	ing po		, ,	,	tion	
	(feet)		<u>.</u>	<u>d</u> /	07.017	
200			717		2 13	
268	130.4	Oct. 30,	C,W	D,S	•	6 feet steel casing at bottom. Reported weak
		1936			slope	supply.
390			C,W	D,S	do•	20 feet steel casing at bottom. Water report-
				İ		ed from quartz sand and gravel. Reported
391	133	Oct. 30,	C,	D,S	Flat	Steel curb; no casing. Report- well caved in.
001		1936	,	2,0	1	ed weak supply. Located near dry lake.
30.3	775 0	Oct. 29,	C,W	D,S	do.	Steel casing. Located 150 feet from dry lake.
23.0	100.9	1	الاو ب	ס, ע	ao •	prest castus. Tocaree the rest from div rage.
50.4		1936				annakriginakrajinakrajingingingingingingingingingingingingingi
394			None	N		Reported well caved in.
					ļ	
395	245	g/	C,W	D,S	Gentle	Steel casing, top to bottom. Strong supply
					slope	reported from blue shale and sand.
396	97	<u>g/</u>	C,W	D,S	do.	20 feet steel easing at top. Located near dry
000	,	5/	,,,,] ,,,	4.5	lake.
207	166 7	Oct. 30,	C.W	7 0		l
38 f	T00.1		U.W	D,S	do.	Strong supply reported from coarse sand and
		1936				quartz gravel.
398	138.9	Nov. 4,	C,W	S	do.	No casing.
		1936	İ		ļ	
399	132.5	do.	C,W	D,S	do.	Tin curb; no casing. Weak supply reported
			•			from yellow sand and gravel. Located near dry
400	88.5	do •	Civi	D,S	do.	Steel casing. Located near dry lake. lake.
±00	00.0	40.	0,5%	D,50	40.	boot casing. notated near dry rand.
403	70 7	ļ <u>-</u>			ļ.,,	
401	72.3	do.	C,W	S	Flat	82 feet steel casing at top. Water reported
				<u> </u>		from quicksand.
405	112.8	do.	C,W&	D,S	Gentle	No casing. Estimated yield, 25-30 gallons a
			G,3		slope	minute.
406	87.1	Nov. 5,	C.W	D,S	do.	No casing. Renorted irrigates small garden in
	i	1936				summer.
408	95.7	Nov. 4,	C,W	D,S	do.	Located near dry lake.
200		1936	0,,,] 2,0	1	1000000 11001
409	 	do.	C,W	700	Flat	Steel casing. Reported strong supply.
±03		uo.	¥¥و ت ا	D, 0	Fras	preer castus. rehorded second subbra.
410	93.6	Nov. 5,	C,W	D,S	do.	No casing. Reported weak supply.
		1936				
411	68.6	do.	C,W	D,S	do.	Tin casing. Reported strong supply. Located
	į	1		1		near dry lake.
412	97.9	do.	C,W	D,S	Gentle	Strong supply reported from quartz sand and
	1	1		-,-	slope	gravel.
413	99.1	do.	C,W	D,S	do.	Tin casing, top to bottom. Reported strong
TIO	33.1	1	۷۷ و ∪	υ,υ		,
43.4		<u></u>		1	L	supply.
414	87.2	Dec. 8,	C,W	D,S	do.	No casing. Water reported from fine sand and
		1936				gravel.
415	98.4	Mov. 5,	C,W	D,S	do.	Reported irrigates small garden in summer.
		1936				
418	62.8	Nov. 19,	C,W	D	do.	Reported strong supply.
-		1936				, , , , , , , , , , , , , , , , , , ,
419	45.2	Dec. 11,	C,W	D,S	Flat	Do.
エエジ	TU.	i .	۷ و ∪	ن و س	1 200	DU •
466	1	1936		 		
420	14	do.	C,W	S	do.	Steel casing. Reported strong supply.
		L		L	<u></u>	
421	88.9	do.	C,W	D,S	do.	ll feet tin casing at top. Reported irrigates
						small garden in summer.
						den annie, m. v. n. n. n. n. n. n. n. n. n. n. n. n. n.

Records of wells in Bailey County--Continued

No. Distance Section Survey Owner Brillor Onto Orthogram Distance From Place Orthogram Distance Orthogram Distance Orthogram Distance Orthogram Distance Orthogram Distance Orthogram Distance Orthogram Distance Orthogram Distance Orthogram Distance Orthogram Distance Distance Orthogram Distance		,	Record	s of wells i	n Bailey Co	ountyCon	rinue	1		
Prom Baley Labor Or League Prom Block Carlo Ca										Height of
Bailey	No.	1			Owner	Driller	1			
South Section Sectio		1	i	1			1 -	1	•	
Company Comp		Bailey-	Labor	or League			ple-		\$	1
		boro					ted	(ft.)	well	
South SEAMS Lab. 16, do. G. P. J. F. 1938 180 18									(in.)	(ft.)a/ b/
South SENERS LeCorrie Cycle South Sales Lab. 10, do. G. F. Howell Autry 1386 180 15 South South SES Lab. 3, do. C. N. Yool 1386 135 0.6 South SES South South SES South SES South Sec S	e/422	10 miles	Lab. 15,	League 122	н. 7.	Nor-	1929	257	4	4
			SEZNEZ			dyke				
South March South March South March South March South March South March South Sat South South Sat South Sat South South Sat South	e/423	12 miles		do.	G. P.		1936	180	15	
According Acco					Howell	Autry	1		İ	
South NE Soy, et al. Soy, et al. Soy	424			do.			1936	133		0.6
Second S										
South SEA Cab. 1, League 190 S. C. Sat- do. 192 0.8 South SE cor. terwhite SE cor. terwhite SE cor. SE cor. terwhite SE cor.	e/425			do		Tor-		211	900 500	0.9
6/426 10 miles Lab. 1, League 190 N. C. Satterwhite do. 192 0.8 427 11 miles Sec. 25, League 108 f. C Nor - 109 0.4 429 13½ miles Sec. 15, League 107 M. L. Joe Wocks 1934 88 1.2 south SWAWA NAME Messmare 9/430 13 miles Sec. 15, do. M. C Whit L. Joe Wocks 1934 88 0.8 south SWAWA NAME NAME NAME NAME NAME NAME NAME NAM	27					1		~		
South	e/426			League 190	U. C. Sat-	the same of the sa		192		0.8
427 11 miles Sec. 25	27 230			10000 100	1	u0•		200		
South SEA Sec. 15, League 107 Encens Joe Works 1934 88 1.2	427			Learne 108		Tor-		109		0-4
429 13\frac{2}{2} miles Sec. 15, League 107 H. L. Messamore	TO!	•		neague 100	1			1.00		0.1
South SW-SW-2 Messamore	420			Tooming 107			7024	ດດ		1 2
Systam Switch S	465			reagne 101	3	ooe weeks	1204	00		1.07
South SW2NW2 Mosor field 1974 91 0.8	- /470					3377 . 2 3	7 277	ļ	<u> </u>	
431 12\frac{12}{2} \text{ miles } Sec. 15, do. do. do. dyke dyke	e/450			ao.		t	1-01			1
South W. side NV4						I	3.554			
Sec. 23, do. Harris Old 91 4 O.6	451				do.	1	T597	97		0.8
South IIE						dyke				
11 miles Sec. 13, League 108 I. C. Agate 1925 78 4 0.8	e/432			do.	Harris		Old	91	4	0.6
Southeast NW_ANW_2 Enochs Common 1935 117 10 1.2	-									
A35 9 miles Lab. 69 League 102 do. 1607 1935 117 10 1.2	433			League 108	1	Agate	1925	78	4	8.0
Southeast SE4					Enochs					
436 93 miles Lab. 6 League 197 N. B. Newsome 437 do. Lab. 3 do. I. S. Newtone 1930 104 5 0.6 439 132 miles Sec. 3 League 107 F. C. do. 1925 105 0.8	435	9 miles		League 182	do.	Mor-	1935	117	10	1.2
Southeast SW\frac{1}{2}		southeast	SE ¹ / ₄	-		dyke				
437 do. Lab. 3, do. I. S. Howton dyke	436	95 miles	Lab. 6,	League 197	7. B.	***			4	
Cen. N. side		southeast	SW		Newsome			Ì		
Cen. N. side	437	do.	Lab. 3,	do.	I.S.	Nor-	1930	104	5	0.6
439 13\frac{1}{2} miles Sec. 3 League 107 F. C. do. 1925 105 0.8 442 12\frac{1}{2} miles Lab. 25 League 112 Jim. do. 131 1 5E_7SE_4 Claunch 443 16 miles Lab. 9 League 109 N. E. do. 1935 73 14 0.4 444 13\frac{1}{2} miles Lab. 9 League 112 Mevsone 1926 51 4 0.8 southeast SW_4SE_4 Land Co. 445 11\frac{1}{2} miles Lab. 3 do. C. R. Mor 1926 108 0.3 southeast SW_4NE_4 Eague 212 S. H. do. 1929 84 1 446 12 miles Lab. 6 League 212 S. H. do. 1929 84 1 southeast SW_4NV_4 Clevenger Clevenger 447 14\frac{1}{2} miles Lab. 12 League 111 Irrs. E. do. 1930 89 1.2 southeast SW_4NV_4 Eague 679 J. B. Fearer 195 5 0.1 NW_4NV_4 therstone 449 17 miles Lab. 23 do. Rulen 1936 76 0.6 449 17 miles Lab. 23 do. Rulen 1936 76 0.6 southeast SW_5SE_4 Clauson			1	le	Newton	dvke	1	1		
Southeast NV_N Southeast Set	439	135 miles			1		1925	105		0.8
442 12\frac{2}{3} miles		, ,-			7					
Southeast SEZSE4 Claunch	442			League 112		do		131		
443 16 miles Lab. 9, League 109 J. E. do. 1935 73 14 0.4		1 ""			•				-	
Southeast NW NE A Hallford	443			League 109		do	1935	73	174	0.4
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		i		200800 200	b		2000	, ,		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	444			Learne 112			1926	51	1 4	0.8
445 11\frac{1}{2} miles Lab. 3, do. C. R. for- 1026 108 0.3				1100800 111	\$		1 20	0-		1
Southeast NE\(\frac{1}{4}\)NE\(\frac{1}{4}\) Eague 212 S. H. do. 1929 84 1	445	2		do	da	Town	1026	108	 _	0-3
446 12 miles Lab. 6, League 212 S. H. do. 1929 84 1 southeast SW4NW4 Clevenger do. 1930 89 1.2 447 14½ miles Lab. 12, League 111 Lirs. E. do. 1930 89 1.2 southeast NE4SE4 Herring 195 5 0.1 448 do. Lab. 6, League 679 J. B. Fea 195 5 0.1 ww49 17 miles Lab. 23, do. Mulen 1936 76 0.6 southeast SW2SE4 Clausen 1936 76 0.6	440	· ~		40.	i	3	1020	100		0.0
Southeast SW2NW4 Clevenger	116			T.00mis 232		<u> </u>	3020	0/		
447 14½ miles Lab. 12, League 111 lirs. E. do. 1930 89 1.2 southeast NE¼SE¼ Herring 195 5 448 do. Lab. 6, NW¼NV¼ League 679 J. B. Fea 195 5 0.1 therstone 1936 76 0.6 0.6 southeast SW½SE¼ Clausen 1936 76 0.6	±±0			Therefore etc	€	uo.	LEGA	0.2		1
Southeast NE4SE4 Herring	119			Toomis 127	the same property and the same of the same	3.5	3080	90	 	1 3
448 do. Lab. 6, League 679 J. B. Fea 195 5 0.1 Wand Wang therstone	447	. ~		reagne III	1	00.	1200	09		1.5
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	240			ļ			 _	 	 -	1
449 17 miles Lab. 23, do. Hulen 1836 76 0.6 southeast SW2SE4 Clauson	448	ao.		League 679	L .			TA2	5	0.1
southeast $SW_2^1SE_4^1$ Clauson							<u></u>			
	449	í .		do.	1		11936	76		0.6
					<u> </u>		L			

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

b/ Measuring point was above ground unless indicated by minus (-) sign.
c/ C, cylinder; T, turbine; B, bucket; Cf, centrifugal; 7, rind ill; Mg, metarcheas; H, hand; G, gasoline; E, electric; O, diesel or oil; number indicates horsepower.

I. Broadburst, Project Superintendent

			W.	L. Bro	oadhurst	, Project Superintendent
	Water	Level		Ī		and an appropriate the second
No.	Depth	Date of	Pump	Use	Topo-	Remarks
		measure-	and	of	graphic	
	measur	7		water	situa-	
	ing po		c/	d/	tion	
	(feet		37	1 =7	0202	
422		Jan. 5,	C,W	D,S	Flat	Steel casing. Reported weak supply. See log.
TNU	100.0	1937	0317	1 2,5	1140	poor our report of wome pappage of refer
423	96.5	Dec. 8,		Ī	do.	Steel casing, 69-169 feet. Sec log.
TAU	30.5	1936		1 -	40.	p 000 000 TICO 100 00 100 100 100 100 100 100 100 100
121	120.4	do.	C,W	D,S	Gentle	No cacing.
	12001	1	0,,,	7,0	slope	110 0001116
125	770 4	Jan. 5,	C,W	D,S		No casing. Reported weak supply. See log.
420	110.4		۷۷ون	0,0		ino casing. Reported mear suppry. Dee rog.
100	700 0	1937	0.7/7	- TO 0	0	Described of
440	109.8	do•	C.W	D,S	Gentle	Reported some casing in bottom. Reported al-
	ļ				slope	titude, 3,837 feet. See log.
427	103.5	do.	C,W	D	do.	No casing. Reported altitude, 3,817 feet.
						Reported weak supply. See log.
429	81.4	Dec. 7,	C,W	D,S	Flat	No casing. Reported irrigates small garden in
		1936	•			summer. Water reported from quicksand.
430	82	Jan. 12,	T,G,	I	Gentle	Reported weak supply. See log.
		1937			slope	
431	80.4	Dec. 8.	C.W	D,S	do.	Reported strong supply. Reported irrigates
		1936		2,0		small garden in summer.
432	76.8	do.	C.W	D,S	do.	Galvanized casing. See log.
208		400	,,,,	D,0	40.	daryminde dabing. boo log.
433	67.0	Dec. 7,	C,W	D,S	Undu-	25 feet galvanized casing at top. Reported
100	0	1936	","	7,0	lating	strong supply.
435	26.4	Dec. 11,	None	N	do.	Steel casing.
400	2001	1936	140116	120	ao.	poet castif.
436		1300	C,W	8	Gentle	Tin casing. Reported strong supply.
400		l	۷۷ و ن	0	1	lin easing. Reported strong supply.
127	007 3	5 - 1	775	 	slope	
437	87.1	Dec. 4,	C,W	D,S	Flat	Galvanized casing, top to bottom. Reported
		1936	<u> </u>		<u> </u>	weak supply.
439	89.2	Dec. 7,	C,W	D,S	do.	Reported irrigates small garden in summer.
		1936				Reported strong supply.
442	105.0	do•	C,W	D,S	do•	Do.
443	41.2	do.	C,G,	I	Gentle	Reported operated 90 hours pumping 100 gallons
	<u> </u>		12	<u></u>	slope	a minute. Irrigated 7 acres in 1936. Water
444	35.3	do.	C,H	D,S	do.	Tin cas- reported from white sand and gravel.
	1.			1		ing. Reported weak supply.
445	93.8	Dec. 4,	C,W	D,S	do.	No casing. Reported strong supply.
		1936				G 1 2 2 2 2 1 1 1
446	73.8	Dec. 9,	C,W	D,S	Flat	No casing. Reported weak supply.
		1936	',''	-,~		The state of the s
447	70-3	Dec. 7,	C,W	D,S	Gentle	Reported irrigates small garden in summer.
الماسي	""	1936	","	~,5	slope	Reported strong supply.
110	130.8	do•	C.W	s	Flat	
440	1.00.0	40•	0,17	1 0	1.720	Wrought iron casing. Reported strong supply.
440	EO 0	a -	0 35		TT. 3.	Located near dry lake.
449	59.9	do.	C,W	D,S	Undu-	No casing. Water reported from coarse, white
	<u> </u>	L	<u></u>	<u> </u>	lating	sand.
- d / T	1 dame	etic. S	ethodic.	. T - 1 1	ericatio:	: Ind industrial: N name.

d/ D, domestic; S, stock; I, irrigation; Ind, industrial; N, none.
e/ No water sample collected for analysis.
f/ See table of water level measurements for additional measurements.
g/ Water level reported.

Water level measurements in observation wells in Bailey County, Texas (See table of well records for further information on these wells.)

	Depth		Depth	والكنبية المستعددة والمستعدد والمدارسينية	Depth
Date	to water	Date	to water	Date	to water
	(feet)		(feet)	Total and analysis and the street of the str	(feet)

Well 4

Hrs. Annie Hyer farm, 123 miles northwest of Ruleshoe. Measuring point, top of iron disk, 1 foot above ground.

1936 - Oct. 8 - 74.33 c/ 1937 - Jan. 27 - 73.4 c/

Well 9

Jim Ellis farm, 105 miles west of Fuleshoe. Heasuring point, hole on south side of pump base, level with ground.

1936 - Oct. 9 - 40.42 c/ Oct. 20 - 40.17 d/ $1937 - Jan \cdot 27 - 39.92 \, \overline{o} /$

Well 11

Tom Smith farm, 10g miles west of Muleshoe. Measuring point, top of 2x12 board across pit, level with ground. Nearest pumping well is NW4SW4 sec. 11, blk. X, about 4,000 feet east.

1936 - Oct. 9 - 26.39 c/ Oct. 20 - 23.62 d/

Well 17

Hrs. Nellic M. Dean farm, 9g miles west of Muleshoe. Measuring point, top of concrete curb, 0.5 foot above ground. Nearest pumping well is NE4SW4 sec. 22, blk. Z, about 4,000 feet west.

1936 - Oct. 9 - 24.08 c/

Well 17 -- Continued

1936 - Oct. 20 - 24.25 d/

Woll 25

C. A. Wagner farm, 8 miles west of Muleshoe. Measuring point, bottom edge of northeast side of pump base, 0.5 foot above ground. Hearest pumping well is SW SE4 sec. 6, blk. Z, about 800 feet $\mathtt{south}ullet$

1936 - Oct. 20 - 23.34 c/ 1937 - May 23 - 25.32 c/

Well 31

J. H. Farley farm, 6 miles west of Muleshoe. Reasuring point, top of rock curb, level with ground. Nearest pumping well is NE#NE# sec. 7, blk. X, about 1,500 feet west.

1936 - Sept.25 - 17.05 c/ Oct. 2C - $16.07 \, \overline{d}$

Well 33

Mrs. J. W. Grogory farm, 7 miles northwest of Muleshoe. Measuring point, bottom edge 1937 - Jan. 27 of opening in pump base, 1.5 feet above ground.

1936 - Oct. 20 - 28.17 c/ 1937 - May $28 - 30.4 \frac{1}{c}$

Well 36

J. H. Hurrah farm, 43 miles northwest of Iuloshoe. Mearest pumping well is suring point, level with ground. Hearost pumping well is MV soc. 23,

Woll 36 -- Continued

blk. X, about 1,500 feet west.

1936 - Sept.24 - 20.9 c/ Oct. 20 -19.55 \bar{d}

Woll 38

Charles Borkely farm, 5 miles west of Muloshoe. Measuring point, inside bottem edge of 2x6 board across pit, lovel with ground. Mearest pumping well is NW4 NW sec. 23, blk X, about 3,000 feet northeast.

1936 - Nov. 11 - 15.53 c/ 1937 - May 28 -15.3 c/

Well 49

Jess Mitchell farm, 34 miles northwest of Huleshoe. Measuring point, top of casing, at ground level. Nearost pumping well is NW# SWa scc. 22, blk. Y, about 400 fcet cast.

1934 - Nov. 13 - 23.99 b/ 1936 - Hay 19 -26.24 d/ 25.1 \ c/ Oct. 8 -24.79 c/ Mar. 14 -24.84 d/

Well 53

W. 3. Gwynn, Sr., farm, $3\frac{4}{4}$ miles northwest of Muleshoe. Heasuring point, top of 2x12 board at north side of pit, level with ground. center HE4 sec. 21, blk. Y, about 3,000 feet south.

a/ Baker, C. L., Geology and Underground Waters of the Northern Llano Estacado: Texas Univ. Bull. 57, 1915.

b/ Burleigh, H. P., Unpublished data in files of U. S. Geological Survey.

c/ Broadhurst, W. L., Hinson, H. F. and Baldwin, B. F., Bailey County, W. P. A. well inventory.

d/ Stanley, W. P. and Scott, W. W., Data in files of Water Utilization Unit, Resettlement Administration.

(Source of	s in observation wells in Bai f information indicated by fo	otnotes.)
Depth to water (feet)	Depth Date to water (feet)	Depth Date to water (fect)
Well 53 Continued	Well 66	Well 69 Continued
1936 - May 26 - 26.32 d/ Nov. 9 - 26.5 c/ 1937 - May 28 - 26.35 c/ Well 56	J. L. Wallace farm, $2\frac{1}{4}$ miles north of Muleshoe. Measuring point, top of casing, level with ground. Nearest pumping well is	1936 - Oct. 19 - 16.36 d/ Oct. 27 - 16.2 5/ Oct. 27 - 16.5 c/
R. L. Hobbs farm, 5 miles north of Muleshoe. Measuring point, south side of well pipe, level with ground. 1936 - May 14 - 60.4 d/Sept.24 - 60.61 c/	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 41, blk. Y, about 1,300 feet east. 1936 - May 28 - 23.24 d/ June 20 - 22.9 d/ July 20 - 22.98 d/ Sept.24 - 23.64 b/ Sept.24 - 21.95 c/ Woll 67	Allen McReynolds farm, 14 miles north of nuleshoe. Measuring point, top of north side of concrete curl 1 foot above ground. Nearest pumping well is southwest corner MV2 sec. 53, blk. Y, about 1,600 feet southwest.
Levi Churchill farm, $2\frac{5}{4}$ miles north of Muleshoe. Measuring point, south side of top of casing, 0.3 foot below ground. Nearest pumping well is northwest corner $50\frac{1}{4}$ sec. 42, blk. Y, about 2,500 feet west.	I. W. Harden farm, 22 miles north of Huleshoe. Heasuring point, north side of top of pump base, level with ground. Hearest pumping well is northwest corner HE 2 sec. 41, blk. Y, about 1,300 feet west.	1936 - Nov. 10 - 15.17 c/ 1937 - May 28 - 17.13 c/ Well 74 Walter Witt farm, 1½ miles northwest of Muleshoe. Measuring point, top of lower flange on L-union of suction pipe, 10.1 feet below ground. Nearest
1936 - May 23 - 29.56 d/ Oct. 12 - 26.36 c/ 1937 - Jan. 29 - 23.65 c/	June 20 - 20.35 d/ July 20 - 20.57 d/ Sept.23 - 22 d/	pumping well is NETTEL sec. 40, blk. Y, about 700 feet east.

Sam Gorrell farm, $2\frac{5}{4}$ miles northwest of Liuleshoe. Measuring point, bottom of pump base, 0.5 foot above ground. Nearest pumping well is $NW_{4}^{\frac{1}{4}}NW_{4}^{\frac{1}{4}}$ sec. 41, blk. Y, about 2,400 feet south.

1934 - Nov. 13 -26.99 b/ 31.75 d/ 1936 - May 9 -Oct. 12 -29.42 c/ 1937 - Mar. 14 -26.4

Sept.23 - 22.5 \overline{c}

Well 69

E. R. Hart farm, 25 miles north of Huleshoe. Heasuring point, west side of top of 2x6 wood curb, level with ground. Mearest pumping well is NE4 ME_{4}^{\perp} sec. 41, blk Y, about 1,700 feet northeast.

16.84 d/ 1936 - Hay 26 -June 20 -16.25 d July 24 -16.97 d/

6.29 d/ 1936 - Hay 28 -Nov. 18 - $6.14 \ c/$

Well 79

D. E. Cox farm, 1 mile north of Luleshoe. Heasuring point, hold in south side of flange on pump base, 0.5 foot above ground. Nearest pumping well is SWA NE sec. 40, blk. Y, about 1,000 feet west.

1936 - May 28 -25.12 d/

a/ Baker, C. L., Geology and Underground Waters of the Northern Llano Estacado: Texas Univ. Bull. 57, 1915.

b/Burleigh, H. P., Unpublished data in files of U. S. Geological Survey.

c/ Broadhurst, W. L., Hinson, K. H. and Baldwin, B. F. Bailey County W. P. A. well inventory.

d/ Stanley, W. P. and Scott, W. W., Data in files of Water Utilization Unit, Resettlement Administration.

Water level measurements in observation wells in Bailey County -- Continued

	(Source of	informatio	on indicated by fo	otnotes.)	
	Depth		Depth		Depth
Date	to wat er (feet)	Date	to water (feet)	Date	to water (feet)
Well 79	Continued	Well 10	08 Continued	Well 11	7 Continued

1936 - Oct. 16 - 24.17
$$\frac{d}{c}$$

Oct. 27 - 24.09 $\frac{c}{c}$
1937 - Jan. 27 - 24.01 $\frac{c}{c}$

Well 92

L. H. McConnell farm, 34 miles north of Muleshoe. Measuring point, north side of top of wood cover, level with ground. Nearest pumping well is northwest corner NW sec. 62, blk. Y, about 1,100 feet east.

Well 95

E. R. Hart farm, 4 miles northeast of Huleshoe. Measuring point, north side of top of wood cover, 1.5 feet above ground. Nearest pumping well is northwest corner NE4 sec. 71, blk. Y, about 1,300 feet east.

1936 - May 26 - 24.2
$$\frac{d}{d}$$

June 20 - 24.69 $\frac{d}{d}$
July 20 - 24.84 $\frac{d}{c}$
Oct. 7 - 24.7 $\frac{d}{c}$

Well 108

T. L. Mounce farm, 7 miles northeast of Muleshoe. Measuring point, top of opening in pump housing, 1.8 feet above ground.

Nearest pumping well is SW4 ME sec. 31, blk. W, about

450 feet west. 1936 - May 14 - 36.06 d/

Well 114

A. J. Watson farm, 6 miles northeast of Muleshoe. Measuring point, top of east side of well pit frame, 1 foot above ground. Hearest pumping well is SW SE sec. 32, blk. W, about 600 feet south.

1936 - Jan. 10 - 26.6
$$c/$$

Oct. 7 - 28.7 $c/$

Well 116

C. B. Huggins farm, 6 miles northeast of Huleshoe. Heasuring point, top of platform holding pump which is 3 feet above ground. Nearest pumping well is NW4 SE4 sec. 32, blk. W, about 700 fect east.

1936 - Jan. 10 - 22
$$\frac{3}{4}$$

Hay 9 - 22.35 $\frac{1}{6}$
Oct. 7 - 22.67 $\frac{1}{6}$

Well 117

H. L. Dempster farm, 6 miles northeast of Muleshoe. Measuring point, top of 2x6 wood block under discharge pipe, 0.8 foot above ground. Nearest pumping

well is NE SN sec. 32, blk. W, about 1,400 feet southeast.

Well 120

I. F. Wilman farm, 5 miles northeast of Iuleshoe. Measuring point, bottom of board across hole, level with ground. Hearest pumping well is northwest corner IW sec. 32, blk. Y, about 1,200 foot south.

Well 124

S. D. Beller farm, 4 miles northeast of Huleshoe. Heasuring point, top of flange at base of pump, 12 feet below ground. Nearest pumping well is northeast corner sec. 81, blk Y, about 1,200 feet east.

1934 - Nov. 14 -1.81 b/ 3.64 d/ 1936 - May 17 -Sept.28 -4.76 c/

- a/ Baker, C. L., Geology and Underground Waters of the Northern Llano Estacado: Texas Univ. Bull. 57, 1915.
- b/ Burleigh, H. P., Unpublished data in files of U. S. Geological Survey.
- c/Broadhurst, W. L., Hinson, H. H. and Baldwin, B. F., Bailey County, W. P. A. well inventory.
- d/ Stanley, W. P. and Scott, W. W., Data in files of Water Utilization Onit, Resettlement Administration.

Water level measurements in observation wells in Bailey County -- Continued

	(Source of	information	indicated by	footnotes.	
	Depth		Depth		Depth
Date	to water	Date	to wate	r Date	to water
	(feet)		(feet)		(feet)

Well 129

C. H. Whitehead farm, 5 miles northeast of luleshoe. Measuring point, top of edge of flange on suction pipe, 17 feet below ground. Nearest pumping well is NW NE sec. 92, blk. Y, about 1,400 feet west.

1913 - -- - 1
$$a/$$

1937 - Mar. 15 -- 2.74 $c/$

Well 130

E. R. Hart farm, 6 miles north of Muleshoe. Heasuring point, top of bottom flange on suction pipe, 18.5 feet below ground. Nearest pumping well is northwest corner SW4 sec. 34, blk. W, about 400 feet cast.

1913 - -- - 0.5 a/
1936 - Sept.29 - 2.88
$$c/$$

1937 - Jan. 28 - 2.46 $c/$

Well 131

R. D. Precure farm, 6 miles northeast of Huleshoe. Measuring point, top of 2x6 wood plate on concrete curb, ground. Mearest pumping 0.3 feet above ground. Nearest pumping well is NE4SE4 sec. 33, blk. W, about 400 feet west.

1913 - -- - 18
$$a/$$
1936 - Sept.29 - 21.9 $d/$
1937 - Jan. 28 - 21.34 $c/$

Well 132

J. A. Ryan farm, 65 miles northeast of Muleshoe. Measuring point, top of wood frame at center of east side, 1 foot above ground. Nearest pumping well is NWANEA sec. 34, blk. W, about 1,300 feet north.

1913 - -- - 19
$$a/$$

1936 - May 14 - 23.96 $d/$
Sept.29 - 23.25 $c/$

Well 135

C. H. Le Hew farm, 6 miles east of Huleshoe. Heasuring point, top of 2x6 board across north side of pit, level with ground. Nearest pumping well is NW4SE4 sec. 48, blk. W, about 1,300 feet west.

Well 136

C. A. Barnett farm, 52 miles east of Euleshoe. Measuring point, base of flange on pump, level with well is MV45V4 sec. 48, blk. W, about 1,200 feet west.

1913 - -- 15 a/
1934 - Nov. 13 - 14.19
$$\overline{b}$$
/
1936 - May 9 - 16.17 \overline{d} /
Sept.16 - 15.17 \overline{d} /
Sept.28 - 15.45 \overline{c} /

15.37 d

Well 136 -- Continued

1937 - Jan. 28 - 15.14 c/ IIar. 14 - 15.52 \bar{d}

Well 137

C. H. Whitehead farm, 42 miles east of Indeshoe. Measuring point, top of horizontal flange on suction pipe, 11 feet below ground. Nearest pumping well, MV4 SE sec. 43, blk. W, about 1,200 feet east.

1913	-		•	-	1.5 a/
1936	-	Hey	14	-	3.27 d/
		Juno	20	-	$3.41 \ \overline{d}$
		July	20	_	$3.41 \overline{d}$
		Oct.	15	-	3.8 @ ₫/
		Feb.	12		3.56 c/

Well 143

C. H. Whitehead farm, 4 miles east of Huleshoe. Measuring point, top of flange at base of pump, 22.5 feet below ground. Hearest pumping well is SW21W1 sec. 49, blk. W, about 1,300 foot east.

1913 -2.5 above measuring point a/ 1936 - Sept.23 -0.45 c/ 1937 - Feb. 12 -0.37 c/

Well 152

W. O. Lawrence farm, 75 miles southeast of Luleshoe. Measuring point, top of casing, 1.5 feet above ground.

Oct. 16 -

a/ Baker, C. L., Geology and Underground Waters of the Northern Llano Estacado: Texas Univ. Bull. 57, 1915.

b/ Burleigh, H. P., Unpublished data in files of U. S. Geological Survey.

c/ Broadhurst, W. L., Hinson, H. H. and Baldwin, B. F., Bailey County, W. P. A. well inventory.

d/ Stanley, W. P. and Scott, W. W., Data in files of Water Utilization Unit, Resettlement Administration.

Water level measurements in observation wells in Dailey County -- Continued

(Source of information indicated by footnotes.) Depth Depth Depth Date to water Date to water Date to water (feet) (feet) (feet) Well 152 -- Continued Well 322 Well 322 -- Continued 1936 - Oct. 16 - 43.07 c/ H. G. Harvey farm, 5 miles 1913 -1937 - Peb. 22 -1937 - Jan. 27 - 43.34 ceast of Muleshoe. Measuring point, top of pipe clamp, 0.8 foot above ground.

a/ Baker, C. L., Geology and Underground Waters of the Northern Llano Estacado: Texas Univ. Bull. 57, 1915.

b/ Burleigh, H. P., Unpublished data in files of U. S. Geological Survey.

c/ Broadhurst, W. L., Hinson, H. H. and Baldwin, B. F., Bailey County, W. P. A. well inventory.

d/ Stanley, W. P. and Scott, W. W., Data in files of Water Utilization Unit, Resettlement Administration.

10020 OI DITERIO		,, 2	
Driller's log of well 25		Driller's log of well 63Contin	nued
C. A. Wagner farm. 8 miles west of Mu	re- li	Thickness	
shoe.		(feet)	(feet)
Thickness D	epth	Lime rock 2	74
	feet)	Tight sand 22	96
Soil3	3	Red water sand 6	102
Caliche and chip rock17	20	Rock2	1.04
Clay25	45	Tight sand 3	107
Gray water sand 15	60	Red water sand 7	114
White clay 10	70	Rock1	115
Red water sand 10	80	TOTAL DEPTH	115
Lime rosk 3	83		
Gray packed sand 7	90	Driller's log of well 73	
	100	City of Muleshoe. $1\frac{1}{4}$ miles north of	of .
		Muleshoc.	
Driller's log of well 35		Soil2	2
Fred Boon farm. 43 miles northwest of	•	Chalk and clay	17
Muleshoe.	1	Water sand1	18
Scil 4	4	Gray clay 6	24
Caliche26	30	White water sand 4	28
Water sand 1	31	Gray shale4	32
Dry sand 6	37	Lime rock 2	34
Clay and sand 8	45	Brown clay 6	40
Clay27	72	Gray packed sand 5	45
Packed sand8	80	Red water sand	75
Water sand 13	93	Packed sand 10	85
- 133 A 3 10 33 10		Gray water sand9 Red clay6	94
Driller's log of well 49	1	Red Clay	100
	ا مہ ب		
Jess Mitchell farm. 4 miles northwes	st of		
Jess Mitchell farm. 4 miles northwes Muleshoe.	Ì	Driller's log of well 104	
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3	3	Driller's log of well 104 Fred Warren lease. 7 miles northe	
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1	3 4	Driller's log of well 104 Fred Warren lease. 7 miles northe	east of
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1 Gray clay	3 4 20	Driller's log of well 104 Fred Warren lease. $7\frac{1}{5}$ miles northe Muleshoe. Soil and sub-soil 3	east of
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1 Gray clay16 Gray sand15	3 4 20 35	Driller's log of well 104 Fred Warren lease. 7½ miles northe Muleshoe. Soil and sub-soil 3 Caliche 24	east of 3 2 7
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1 Gray clay16 Gray sand15 Red water sand7	3 4 20 35 42	Driller's log of well 104 Fred Warren lease. $7\frac{1}{2}$ miles northe Muleshoe. Soil and sub-soil 3 Caliche 24 Sandy loam 16	3 27 43
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1 Gray clay15 Red water sand7 Gray clay	3 4 20 35	Driller's log of well 104 Fred Warren lease. $7\frac{1}{5}$ miles northe Muleshoe. Soil and sub-soil 3 Caliche 24 Sandy loam 16 Rock 2	east of 3 2 7
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1 Gray clay16 Gray sand	3 4 20 35 42 65	Driller's log of well 104 Fred Warren lease. $7\frac{1}{5}$ miles northed Muleshoe. Soil and sub-soil 3 Caliche	east of 3 27 43 45
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1 Gray clay15 Red water sand7 Gray clay7 Red water sand	3 4 20 35 42 65 90	Driller's log of well 104 Fred Warren lease. $7\frac{1}{5}$ miles northed Muleshoe. Soil and sub-soil 3 Caliche	east of 3 27 43 45 47
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil 3 Lime rock 1 Gray clay 16 Gray sand 15 Red water sand	3 4 20 35 42 65 90	Driller's log of well 104 Fred Warren lease. $7\frac{1}{5}$ miles northed Muleshoe. Soil and sub-soil 3 Caliche	east of 3 27 43 45 47 54
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1 Gray clay15 Red water sand7 Gray clay7 Gray clay	3 4 20 35 42 65 90	Driller's log of well 104 Fred Warren lease. 7½ miles northed Muleshoe. Soil and sub-soil 3 Caliche 24 Sandy loam 2 Sandy loam 2 Wet mucky sand and rock 7 Red sard, water 4	3 27 43 45 47 54 64
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil 3 Lime rock 1 Gray clay 16 Gray sand 15 Red water sand	3 4 20 35 42 65 90	Driller's log of well 104 Fred Warren lease. 7½ miles northed Muleshoe. Soil and sub-soil 3 Caliche 24 Sandy loam 2 Sandy loam 2 Wet mucky sand and rock 7 Red sard, water 4	3 27 43 45 47 54 64 68
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1 Gray clay16 Gray sand15 Red water sand7 Gray clay	3 4 20 35 42 65 90	Driller's log of well 104 Fred Warren lease. $7\frac{1}{5}$ miles northed Muleshoe. Soil and sub-soil3 Caliche24 Sandy loam16 Rock2 Sandy loam2 Wet mucky sand and rock7 Red sard, water10 Light loam4 Water sand11 White rock, water 6 Hard sand and clay, water16	3 27 43 45 47 54 64 68 79
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1 Gray clay15 Red water sand7 Gray clay7 Gray clay	3 4 20 35 42 65 90 100	Driller's log of well 104 Fred Warren lease. $7\frac{1}{5}$ miles northed Muleshoe. Soil and sub-soil 3 Caliche	3 27 43 45 47 54 64 68 79 85
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1 Gray clay15 Red water sand7 Gray clay	3 4 20 35 42 65 90 100 hwe st	Driller's log of well 104 Fred Warren lease. $7\frac{1}{5}$ miles northed Muleshoe. Soil and sub-soil3 Caliche24 Sandy loam16 Rock2 Sandy loam2 Wet mucky sand and rock7 Red sard, water10 Light loam4 Water sand11 White rock, water 6 Hard sand and clay, water16	3 27 43 45 47 54 64 68 79 85
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1 Gray clay15 Red water sand7 Gray clay	3 4 20 35 42 65 90 100 hwest 4 18 24 27	Driller's log of well 104 Fred Warren lease. 7½ miles northed Muleshoe. Soil and sub-soil 3 Caliche 24 Sandy loam 2 Sandy loam 2 Wet mucky sand and rock 7 Red sand, water 10 Light loam 4 Water sand 11 White rock, water 6 Hard sand and clay, water 16 Loose red sand 24	3 27 43 45 47 54 64 68 79 85 101 125
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil 3 Lime rock 1 Gray clay 16 Gray sand	3 4 20 35 42 65 90 100 hwest 4 18 24 27 60	Driller's log of well 104 Fred Warren lease. 7½ miles northed Muleshoe. Soil and sub-soil 3 Caliche	3 27 43 45 47 54 64 68 79 85 101 125
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1 Gray clay15 Red water sand7 Gray clay	3 4 20 35 42 65 90 100 hwest 4 18 24 27	Driller's log of well 104 Fred Warren lease. 7½ miles northed Muleshoe. Soil and sub-soil 3 Caliche	3 27 43 45 47 54 64 68 79 85 101 125
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1 Gray clay16 Gray sand15 Red water sand7 Gray clay7 Gray clay	3 4 20 35 42 65 90 100 hwest 4 18 24 27 60	Driller's log of well 104 Fred Warren lease. 7½ miles northed Muleshoe. Soil and sub-soil 3 Caliche	3 27 43 45 47 54 64 68 79 85 101 125
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1 Gray clay16 Gray sand15 Red water sand7 Gray clay7 Gray clay23 Red water sand25 Sand rock10 Driller's log of well b3 W. B. Gwynn, Sr. farm. 3½ miles nort of Muleshoe. Surface soil	3 4 20 35 42 65 90 100 hwest 4 18 24 27 60 78	Driller's log of well 104 Fred Warren lease. 7½ miles northed Muleshoe. Soil and sub-soil 3 Caliche 24 Sandy loam 2 Sandy loam 2 Sandy loam 2 Wet mucky sand and rock 7 Red sand, water 10 Light loam 4 Water sand 6 Hard sand and clay, water 6 Hard sand and clay, water 16 Loose red sand 24 Driller's log of well 121 Bradley farm. E miles northeast Muleshoe. Surface soil 6 Clay 6	3 27 43 45 47 54 64 68 79 85 101 125
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1 Gray clay16 Gray sand15 Red water sand7 Gray clay23 Red water sand25 Sand rock10 Driller's log of well 53 W. B. Gwynn, Sr. farm. 3½ miles nort of Muleshoe. Surface soil4 Caliche	3 4 20 35 42 65 90 100 hwest 4 18 24 27 60 78	Driller's log of well 104 Fred Warren lease. 7½ miles northed Muleshoe. Soil and sub-soil 3 Caliche 24 Sandy loam 2 Sandy loam 2 Sandy loam 2 Wet mucky sand and rock 7 Red sard, water 10 Light loam 4 Water sand 6 Hard sand and clay, water 16 Loose red sand 6 Toiller's log of vell 121 Bradley farm. E miles northeast Muleshoe. Surface soil 6 Clay 6 Clay 42	3 27 43 45 47 54 64 68 79 85 101 125
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1 Gray clay16 Gray sand15 Red water sand7 Gray clay	3 4 20 35 42 65 90 100 hwest 4 18 24 27 60 78	Driller's log of well 104 Fred Warren lease. 7½ miles northed Muleshoe. Soil and sub-soil	3 27 43 45 47 54 64 68 79 85 101 125
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1 Gray clay16 Gray sand15 Red water sand7 Gray clay23 Red water sand25 Sand rock10 Driller's log of well 53 W. B. Gwynn, Sr. farm. 3½ miles nort of Muleshoe. Surface soil	3 4 20 35 42 65 90 100 hwest 4 18 24 60 78	Driller's log of well 104 Fred Warren lease. 7½ miles northed Muleshoe. Soil and sub-soil 3 Caliche 24 Sandy loam 2 Sandy loam 2 Sandy loam 2 Wet mucky sand and rock 7 Red sard, water 10 Light loam 4 Water sand 6 Hard sand and clay, water 16 Loose red sand 6 Jlay 6 Jlay 6 Jlay 6 Jlay 6 Jlay 6 Jlay 12 Water sand 40 Red sand 8	3 27 43 45 47 54 64 68 79 85 101 125
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1 Gray clay16 Gray sand15 Red water sand7 Gray clay	3 4 20 35 42 65 90 100 hwest 4 18 24 60 78 Mule-	Driller's log of well 104 Fred Warren lease. 7½ miles northed Muleshoe. Soil and sub-soil	3 27 43 45 47 54 64 68 79 85 101 125
Jess Mitchell farm. 4 miles northwes Muleshoe. Soil3 Lime rock1 Gray clay16 Gray sand15 Red water sand7 Gray clay23 Red water sand25 Sand rock10 Driller's log of well 53 W. B. Gwynn, Sr. farm. 3½ miles nort of Muleshoe. Surface soil	3 4 20 35 42 65 90 100 hwest 4 18 24 60 78	Driller's log of well 104 Fred Warren lease. 7½ miles northed Muleshoe. Soil and sub-soil 3 Caliche 24 Sandy loam 2 Sandy loam 2 Sandy loam 2 Wet mucky sand and rock 7 Red sard, water 10 Light loam 4 Water sand 6 Hard sand and clay, water 16 Loose red sand 6 Jlay 6 Jlay 6 Jlay 6 Jlay 6 Jlay 6 Jlay 12 Water sand 40 Red sand 8	3 27 43 45 47 54 64 68 79 85 101 125

. Gray clay- - - - - - - - - - - - - 20 Red water sand- - - - - - 9

C. A. Bernett farm. Signiles east of Muleshoe. Thickness Depth (feet) (feet) Muleshoe. Thickness Depth (feet) (feet) Surface scil	Driller's log of well 129		Driller's log of well 136	
Thickness Depth			of	
Surface soil				
Surface soil- 4 4 "Magnesia" rock - -60 64 Shue clay- -6 70 Blue send - -6 70 Blue send - -6 70 Blue send - -6 70 Blue send - -6 70 Blue send - -6 70 Blue send - -6 70 Blue send - -6 70 Blue send - -6 70 Blue send - -6 82 Brock - -6 82 Missing send and rock - -4 11 Surface seil - -3 13 Sand rock - -24 32 Yellow sand mek - -42 74 Sand rock - -2 95 Red sand and rock - -3 32 Yellow sand mek - -42 74 Surface scil - -3 32 Red sand sand prock - -2 95 Red sand sand prock -		}		-
Magnesia rock		. 1	, , ,	,
Blue sand		1 .		1
Section Sect		[1
Driller's log of well 130 Driller's log of well 130 Driller's log of well 130 Driller's log of well 130 Driller's log of well 130 Driller's log of well 130 Driller's log of well 137 C. H. Whitehead farm. 42 miles erst of Muleshoe. Surface soil		1	i .	
Driller's log of well 130 Driller's log of well 130 Driller's log of well 130 Driller's log of well 130 Driller's log of well 137 Driller's log of well 137 Driller's log of well 137 Driller's log of well 137 Driller's log of well 137 Driller's log of well 137 Driller's log of well 137 Driller's log of well 137 Driller's log of well 137 Driller's log of well 137 Driller's log of well 138 Driller's log of well 138 Driller's log of well 138 Driller's log of well 138 Driller's log of well 138 Driller's log of well 138 Driller's log of well 138 Driller's log of well 138 Driller's log of well 138 Driller's log of well 138 Driller's log of well 138 Driller's log of well 138 Driller's log of well 138 Driller's log of well 138 Driller's log of well 138 Driller's log of well 138 Driller's log of well 138 Driller's log of well 139 Driller's log of well 139 Driller's log of well 139 Driller's log of well 139 Driller's log of well 139 Driller's log of well 139 Driller's log of well 139 Driller's log of well 139 Driller's log of well 139 Driller's log of well 139 Driller's log of well 139 Driller's log of well 139 Driller's log of well 145 Driller's log of well 139 Driller's log of well 139 Driller's log of well 139 Driller's log of well 139 Driller's log of well 139 Driller's log of well 139 Driller's log of well 130		1	l .	1
Driller's log of well 130 E. R. Hart ferm. 6 miles northeast of Muleshoe.		1 1	l .	1
Driller's leg of well 137 C. H. Whitehead farm. 43 wiles east of Muleshoe. Surface soil			Red sand and gravel11	148
Muleshoe Soil and clay	Driller's log of well 130			
Soil and clay	E. R. Hart farm. 6 miles northeast	of	1	
Magnesia" mock			1	st of
Clay and mock 42 74 Sand rock 8 82 Magnesia" rock 11 23 23 24 24 24 25 25 25 25 26 27 25 25 26 26 27 26 27 27 27 27		, - ,		
Sand rock -	"Magnesia" rock 24	1 1		_
Yellow sand	Clay, sand, and rock 42		Clay and 'magnesia' 9	1
Red sand	Sand rock	1		(
Red sand 6 106 Red sand stone 6 90 Red sand and rock 6 106 Red sand and rock 6 106 Red sand and rock 7 110 Red sand and rock 7 110 Red sand stone 7 110 Red sand stone and grovel 30 140	Yellow sand 12	1		i
Sandstone	Rock	1 1		1
Red sand and rock	Conditions 6	1		ţ ,
Briller's log of well 131 R. D. Precure farm. 6 miles northeast of Muleshoe. Surface soil 4 4 Muleshoe. Surface soil 4 4 Muleshoe. Surface soil 4 4 Muleshoe. Surface soil 25 19 Solid rock and "magnesia" rock-14 33 Red clay, sand, and boulders - 50 83 Red clay and sand 23 106 Red clay and sund 15 121 Quicksend 6 127 Quicksend 17 146 Shell rock and boulders 17 146 Shell rock and boulders 17 146 Shell rock and boulders 17 146 Shell rock and boulders 5 5 Muleshoe. Surface soil 5 5 Muleshoe. Surface soil 5 5 Muleshoe. Surface soil 5 5 Muleshoe. Surface soil 5 5 Red sand sand 6 60 Red sand sand 6 60 Red sand sand		i t		1
Driller's log of well 131 Driller's log of well 141 L. L. Lowry fert. 4# miles cest of Muleshoe. Surface soil 4 4 Mileshoe. Surface soil 4 4 Mileshoe. Surface soil 5 5 5 Solid rook and "magnosia" rock-14 33 Red clay, sand, and boulders- 50 83 Red sand rock 25 106 Red sand rock 25 106 Red sand sand 5 127 Clay 6 127 Clay 5 158 Quicksend 12 179 Sandstone 17 146 Shell rock and houlders 4 150 Surface soil 5 5 Side sandstone 5 158 C. H. Whitehead form. 5 miles east of Muleshoe. Surface soil 5 5 Red sand and shell rock 6 60 Red sand and shell rock 6 60 Red sand sand	ned asind and room			į.
R. D. Precure farm. 6 miles northeast of Muleshoe. Surface soil 4 4 4 Muleshoe. Surface soil 4 4 4 Muleshoe. Solid rock and "magnesia" rock-14 33 Clty 12 17 Red clay, sand, and boulders - 50 35 Magnesia" and clay 45 62 Red sand rock 23 106 Muleshoe. Surface soil 56 158 Muleshoe. Surface soil 56 158 Muleshoe. Surface soil	Driller's log of well 131		The particular data greater	,
Muleshoe. Surface soil 4		st of	Driller's log of well 141	
Surface soil 4 4 Muleshoe. Solid rock and "magnesia" rock-14 33 Red clay, sand, and boulders - 50 83 "Magnesia" and clay 45 52 Red sand rock 23 106 Hard gray clay and rock 40 102 Red clay and sand 6 127 Red sandstone 56 158 Guicksend 6 127 146 S. H. Whitehead farm. 5 miles east of Shell rock and boulders 17 146 S. H. Whitehead farm. 5 miles east of Muleshoe. Soil and clay 9 9 Clay and sand 5 5 14 J. A. Ryen farm. 6 miles northeast of Red sandstone 5 14 Muleshoe. Soil and clay 9 9 Clay and sand 5 5 14 Surface soil 5 5 7 Red sand and shell rock 20 80 "Magnesia" rock 22 27 Red clay and sand 12 79 Red clay and sand 12 79 Sand and gravel 39 144		ļ		
Solid rock and "magnesia" rock-14 33 Red clay, sand, and boulders - 50 83 Red sand rock 23 106 Red sand rock 23 106 Red clay end sand 6 127 Red clay end sand 6 127 Red clay end sand boulders 6 127 Red sandstone 56 158 Red sandstone 56 158 Red sand boulders 4 150 Shell rock and boulders 4 150 Shell rock and boulders 4 150 Shell rock and boulders 5 5 Red clay and sand 6 85 Red clay and sand 6 85 Red clay and sand 6 102 Sandstone 6 102 Sand and gravel 6 102 Sand and gravel	Surface soil 4	4	1	
Red clay, sand, and boulders - 50 85 "Megnesia" and clay 45 62 Red sand rock	"Magnesia" and sand 15	19	Surface soil 5	5
Red sand rock	Solid rock and "magnesia" rock-14	33	Clay	17
Red clay end sand		83		62
Quicksand		1 1		108
Driller's log of well 143 Sandstone		1	Red sandstone 56	158
Sandstone-	Quicksand6	1		
Driller's log of well 13? Soil and clay		1 :		
Driller's log of well 13?		1 1	i	t oj
Driller's log of well 13? J. A. Ryan farm. 6½ miles northeast of Muleshoe. Surface soil 5 5 Red sand and shell rock 20 80 "Magnesia" rock 22 27 Red clay and sand 40 67 Red sand 6 85 Sand stone 6 85 Sand and gravel 39 144 Driller's log of well 135 C. H. LeHew farm. 6 miles east of Muleshoe Surface soil 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Shell rock and houlders 4	1 720		. 0
Muleshoe Surface soil 5 5 Red sandstone 6 60 Red sandstone 6 60 Red sand shell rock 6 85 Red clay and sand	Devillants los of well 120			•
Muleshoe. Red sandstone 6 60 Surface soil 5 5 Red sand and shell rock 20 80 "Magnesia" rock 22 27 Yellow clay 5 85 Red sand		+ 0+	Clay and and	
Surface soil 5 5 Red sand and shell rock 20 80 Magnesia" rock 22 27 Red clay and sand 5 85 Red clay and sand 5 85 Red clay and sand 5 85 Red clay and sand 6 Red clay and sand 6 102 Sandstone 6 85 Red clay and sand 6 Red clay 6 102 Sand and gravel		0 (1	Red andstore 6	
"Magnesia" rock		. 5		_
Red clay and sand 40 67 Red clay and sand 11 96 Red sand	"Magnesia" rock 22	1 1		
Red sand	Red clay and sand	1 1		8
Sandstone 6 85 Sand and gravel 9 111 Red clay	Red sand 12	 		
Red clay		1 1		
Driller's log of well 303 Humble 0il 00., W. F. Fugua farma. 7 miles northwest of Bailoyboro. Surface soil 6 6 Wellow clay 30 30 Surface soil 6 6 Wellow clay 45 75 Wagnesia" rock and boulders 28 34 Blue gumbo 40 115 White sand 5 320 Red clay and sand 24 72 Red bed 35 275 Sand 30 305 Slue clay 30 305 305 305		105		
Driller's log of well 135 C. H. LeHew farm. 6 miles east of Muleshoe Yellow clay	Sand and gravel 39	144	Driller's log of well 303	
C. H. LeHew farm. 6 miles east of Muleshoe Yellow clay		Ì		77
Surface soil 6 6 Yellow mud				
"Magnesia" rock and boulders - 28 34 Blue gumbo				
"Magnesia" rock and red sand14 48 White sand 5 120 Red clay and sand		1 1		
Red clay and sand		; '	Blue gumbo	
Red sandstone		1		
Sand	Red clay and sand	1 :		
	Ked SandStone	1 1	1	
paumaname and Staveta 1 (postanted on next bake)		1 1		300
	Paudanino and Stavot	100	(5 Merriado en next page)	

Driller's log of well 303Conti		Driller's log of well 305Continued
Thickness	s Depth	Thickness Depth
(feet)	(feet)	(feet) (feet)
Red bed 245	550	Red bed and gypsum 40 2240
White sand 10	560	Red and white salt and red
White sand, water 33	593	bed25 2265
Red bed 2	595	TOTAL DEPTH 4100
Blue gumbo 10	605	
Water sand 60	665	Driller's log of well 329
Blue gumbo 12	677	A. L. Davis farm. 85 miles northeast of
Red bed 33	715	Baileyboro.
Gray sand 17	732	Surface soil 4 4
Red bed 208	940	Red, sandy clay 14 13
Brown shale 40	980	Magnetic rock and sand 86 104
Water sand (175 feet of salty	000	Soft, white sandstone 20 124
water an hour) 15	995	Hard cap rock 1 125
Red rock 85	1086	White sand and sandstone 20 145
Gray shale 5	1085	Sand and 3ravel 5 150
Water sand 25	1110	32000
Blue shale 5	1115	Driller's log of well 360
Red rock 15	1130	G. L. Blackshear farm. 2 miles east of
Hard, pink gypsum 10	1140	Baileyboro.
Red rock 80	1230	Surface soil 2 2
Blue shale 30	1250	Rock, shells and water 16 18
Sandy, gray shale 50	130C	Yellow clay 3 21
Water at 130010 bailers an	1000	Sand and rock 65 86
hour		Sand and gravel 10 96
Red rock 30	1330	0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0
Brown shale 20	1350	Driller's log of well 362
Red rock 25	1375	Federal Land Bank tract. 1 mile south of
Red bed 35	1410	Baileyboro.
Red rock 25	1435	Sand, gravel and rock 40 40
Red bed 20	1455	Blue clay 20 60
Blue shale 20	1475	Sand and gravel 13 73
Pink gumbo 10	1485	odda did gravor 10 , 10
Red rock 85	1570	Driller's log of well 378
Red sand, hole full of water 30	1600	J. H. McCarty Estate. 4 miles south of
Red rock 15	1613	Baileyboro.
Blue and red shale 55	1670	Caliche
Red rock 110	1780	Sand, gravel and rock 72 86
Blue shale 30	1810	Yellow clay 14 100
Gray, sandy shale 25	1835	Blue clay, shale and rock 100 200
Gray sand, hole full of water 20	1850	Red beds, salt water 5 205
Gray and brown shale 5	1860	100
Blue and brown gumbo and red		Driller's log of well 379
rock 20	1880	L. A. Harless farm. 52 miles southwest of
Gray sand and gravel 5	1885	Baileyboro.
Blue gumbo and red bed 5	1890	Surface soil 5 3
Red sand 15	1905	Caliche
Red, sandy shale 105	2010	Sand, gravel and rock 60 77
Red gypsum 70	2080	Yellow clay12 33
Red bed and red gypsum 25	2105	Rock, shells and sand 80 169
Red gypsum 30	2135	Red beds 4 173
Red sand 10	2145	
Hard, red gypsum 5	2150	Driller's log of well 422
Red mud 25	2175	II. 11. LeCorkle farm. 10 miles south of
Red bed and gypsum 10	2185	Baileyboro.
Red mud with gypsum 15	2200	Surface soil 4 4
71000 more 117 ors 9% brown = 70	, ~~~	(Continued on next page)
	44	(correction out more ballo)

Table of Drillers' Logs, Bailey County--Continued

Driller's log of well 422Contin	Dopth	Driller's log of well 426 M. C. Satterwhite farm. 10 miles south of
(foet) (foet)	(fect)	
,	19	Thickness Depth (feet) (feet)
Sand and caliche 75 Yellow clay 30	94 124	1 ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Blue clay 100	224	Surface soil 5 3 Caliche 15 18
Black sand 9	233	Caliche and sand 90 103
Sand and rock, water 20	255	Yellow clay 32 140
Green shale2	255	Clay, shells and sand 63 203
Red bods 3	258	Sand and gravel, water 4 212
Reported driller's log of well 4		Driller's log of 427
G. P. Howell farm. 12 miles south	of	I. C. Enochs farm. 11 miles south of
Baileyboro.	.	Baileyboro.
Surface soil 4	4	Surface soil 5 5
Caliche rock and boulders - 3 Red clay 12	7 19	Caliche
Red clay 12 Rock 5	24	White sand 30 105
Caliche10	34	mir 00 Said
Lime, clay, caliche, sand 40	74	Driller's log of well 430
Fine sand 13	87	K. C. Moser farm. 13 miles south of
Fine, dry sand 15	102	Bailevboro.
Coarse, flint sand 5	107	Soil 2 2
Yellow clay 23	130	Caliche rocl: 38 40
Coarse gravel 3	133	Sand rock 10 50
Blue clay 37	170	Sand and clay 30 80
Fine sand 1	171	Water sand 5 85
Yellow clay7	178	Red clay 2 87
Coarse sand 1 Blue clay 1	179	Water sand and gravel 23 110
Blue clay 1	180	Yellow clay
Driller's log of well 425		Blue clay 35 165 Rock 1 166
W. Davis farm. 10% miles south of	Boilev.	
boro.	Darroy	Rock 2 170
Surface soil 3 i	3	Yellow clay 20 190
Caliche 14	17	Rock 3 193
Sand and caliche 82	99	,
Yellow clay 26	125	Driller's log of well 432
White lime rock 15	140	Harris farm. 12 miles south of Daileyboro.
Blue clay, shells and sand - 65	205	Surface soil 2 2
Sand and gravel 6	211	Caliche25 27
Red beds 2	213	Caliche and sand 85 112
		Yellow clay 40 152
	Įŧ	Sand, shale and clay 39 191

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

Well 6	Well 19
Gentle slope, side of county road, NEINE sec. 13, Blk. Z, 9g miles northwest of Muleshae. Thickness Depth	Blk.Z, 9 miles west of Muleshoe. Thickness Depth (feet) (feet)
(feet) (feet) Dark sandy soil1 1 Light sandy soil2 3 Sandy caliche8 11 Rock11 No water sample collected. Oct. 8, 1936.	Fine light sandy soil 3 5 Caliche 8 13 Rock 13 No water sample collected. Oct. 9, 1936.
Well 7 Flat, side of county road, SELSEL sec. 13, Blk. Z, 9 miles west of Muleshoe. Dark soil	Surface soil 2 2 White caliche 9 11 Yellow caliche 2 13 Rock 13 No water sample collected. Oct. 9, 1936.
Well 8 Flat, side of county road, NE1NE1 sec. 21, Blk. Z, 10 miles west of Muleshoe. Dark2 2 Ash-colored sand1 3 Caliche1 4 Red sandy clay8 12 No water sample collected. Oct. 8, 1936.	Well 27 Flat, side of county road, NWANWA sec. 7, Blk. X, 7½ miles west of Muleshoe. Surface soil and sand 2 2 Yellow caliche and clay 3 5 White caliche 1 6 Hard rock 6 No water sample collected. Sept. 25,1936. Well 29
Well 13 Flat, side of county road, NEINE sec. 26, Blk. Z, 10 miles west of Muleshoe. Dark sandy soil 1	Gentle slope, side of county road, NW_{\pm}^{1} sec. 7, Blk.X, $7\frac{1}{2}$ miles west of Muleshoe. Surface soil and sand 2 2 Sandy soil and caliche 2 4 Caliche
Well 14 Side of county road, NW2NV2 sec. 149, Blk. 2, 11½ miles west of Muleshoe. Dark sandy soil 1	Well 32 Bed of draw, side of county road, Swinwinwing sec. 39, Blk. X, 5½ miles west of Muleshoe. Dark soil 2 2 Caliche 15 17 Water level, 7.9 feet below top of ground, 48 hours after hole completed. Water sample collected. Jan.14, 1937.
Well 18 Gentle slope, side of county road, NE ¹ / ₄ NE ¹ / ₄ ; sec. 22, Blk. Z, 10 miles west of Muleshoe Hard surface soil 3 3 Red caliche 11 14 Rock 14 No water sample collected. Oct. 9, 1936.	

Flat	, sid	le o	of.	county	road,	SW	corr	ıer	sec.	
21, 1	Blk.	Y,	3	miles	northy	vest	of	Mul	esho	е.

	Thickness	Depth
	(feet)	(feet)
Soil	2	2
Clay	2	4
Caliche	- - 9	13
Fine White sand	2	15
Caliche and sand	 8	23
Yellow clay	1	24
Water level, 21.1 feet 1	below top o	f
ground, 48 hours after h	nole comple	eted.
Water sample collected.	Jan. 14, 1	1937.

Well 42

Flat, side of county road, SE12SE4	
Blk. Y, $2\frac{1}{4}$ miles northwest of Mule	
Dark soil 4	
Red clay and sand 3	7
Caliche and sand 10	17
No water sample collected. Oct. 8,	1936.

Well 48

Flat, side of county road, SW4SW2	sec, 22
Blk. Y, $3\frac{1}{5}$ miles northwest of Mule	shoe.
Dark sandy soil 1	1
Light sandy soil 3	4
Sandy caliche5	9
Rock	9
No water sample collected. Oct. 8,	1936.

Well 55

Flat, side of county road, SE1SE1	sec. 29
Blk. Y, $4\frac{1}{4}$ miles north of Muleshoe	•
Dark sandy soil 1	1 1
Red clay and sand 2	3
Yellow and white caliche and	
clay $9\frac{1}{2}$	121/2
Hard caliche and clay13	25 2
No water sample collected Dec 29	1936.

Well 58

Gentle slope, side of county road,	SŒ 2 −
SE_{-}^{1} sec. 44, Blk. Y, $4\frac{1}{2}$ miles north	h of
Mulshoe.	
Dark loam, soil 2	2
Light soil and caliche 2	4
Clay and caliche7	11
Red caliche, yellow clay and	
fine red sand 9	20
No water sample collected. Nov. 18	, 1936.

Well 59

Flat.	side	of	county	road.	SW4SW1	86	oc.50	١.
					Mulshoe.			•
					1	į	1	
•			and c		-10	:	13	

Well 59--Continued

Thickness	Depth
(feet)	(feet)
Hard calicho and gravel 7	, 18
Fine red sandy clay and	
gravel 2	20
Fine white sandy clay 5	25
Water level, 22.3 feet below top	
ground, $\frac{1}{4}$ hour after hole complete	ted.
Water sample collected. Sept. 24	,1936.

Well 61

Flat, side of county road, $SE_{4}^{1}SE_{2}^{1}$ se	c . $o o$
Blk. Y, $3\frac{1}{4}$ miles north of Muleshoe.	
Sandy soil 2	2
Clay, caliche and gravel7	9
Caliche8 1	7
Caliche, red clay and sand - 5 2	2
Fine red sand 3	2
Struck water at 28 feet.	
Water level, 27.0 feet below top of	
ground, I hour after hole completed.	
Water sample collected. Sept. 24, 19	36.

Well 64

Gentle slope, side of county road	
SELSEL sec. 31, Blk.Y, 22 miles 1	north of
Muleshoe.	
Dark soill	1 1
Light soil and caliche 2	3
Soft caliche and gravel 7	10
Caliche and clay 7	17
Rock	17
No water sample collected. Sept.	24,1936.

Well 68

Flat, side of county road, NWZNW	sec.52,
Blk. Y, $2\frac{1}{4}$ miles north of Mulesho)E.
Fine light top soil 2	, 2
Soft cali che 7	9
Yellow sandy clay and calichel0	19
Hard rock	19큐
No water sample collected. Sept. 2	23.1936.

Well 71

Flat, side of county road, NEINE	
Elk. Y, $1\frac{1}{4}$ miles north of Mulesho	oe.
Dark loam, top soil 1	1
Fine light sandy clay 2	3
Fine yellow clay and sand 3	6
Soft caliche 8	14
Hard rock	14
No water sample collected Sent	23 1936

Flat, side of county road, $NW_{4}^{1}NE_{4}^{1}$ sec. 40, Blk. Y, l_{4}^{1} miles north of Muleshoe.

Thickness Depth (feet) (feet)

(=000)	1 /
Dark loamy soil 1	1 1
Fine light sandy caliche 2	3
Soft caliche 5	8
Hard caliche2	10
Light clay and sand 7	17
Light limy clay and sand 18	35
Struck water at 20 feet.	t
***	^

Water level, 17.5 feet below top of ground, 37 hours after hole completed. Water sample collected. Sept. 23, 1936.

Well 76

South side of Highway 7, $NW_{4}^{1}SW_{4}^{1}NW_{4}^{1}$ sec. 40, Blk. Y, 1 mile northwest of Muleshoe. Fine brown sandy top scil- - 5 5 White river sand- - - - - 6 11 Caliche and sand- - - - - 2 13 Fine yellow sand - - - - - 1 $\frac{1}{2}$ 14 $\frac{1}{2}$ Caliche- - - - - - - - 1 $\frac{1}{2}$ 16 White river sand - - - - 5 21 Struck water at 21 feet. No water sample collected.

Well 80

Flat, Warren tract, $SE_4^1SE_2$ sec. 40, Blk. Y, $\frac{1}{2}$ mile north of Muleshoe. Fine light topsoil ---- 1 1 Light powdery clay---- 2 3 Brown powdery clay---- 3 6 Caliche----- 9 $\frac{1}{2}$ 15 $\frac{1}{2}$ Caliche and sand---- 5 $\frac{1}{2}$ 21 Struck water at $15\frac{1}{2}$ feet. No water sample collected. Oct. 12, 1936

Well 81

Flat, side of Highway 70, $SE_{\underline{4}}^{\underline{1}}SW_{\underline{1}}^{\underline{1}}$ sec. 53, Blk. Y, $\frac{3}{4}$ mile northeast of Muleshoe. Light brown sandy soil- - - 2 2 Dark soil- - - - - 2 4 Caliche- - - - - - - - - - - 10\frac{1}{2} 14\frac{1}{2} Caliche rock and little sand 2 16\frac{1}{2} Struck water at 15 feet.

No water sample collected. Oct. 12, 1936.

Well 82

Edge of lake bed, E. K. Warren tract, NW_{4}^{1} sec. 59, Blk. Y, l_{4}^{1} milee east of Muleshoe. Dark surface soil- - - - - 1

Dark surface soil	1	1
Light soil	2	3
Powdery clay	1	4
Caliche	7	11
Struck water at 95 feet.		ì

Water level, 9.5 feet below top of ground, 4 hours after hole completed. Water sample collected. Nov. 10, 1936.

Well 83

Bottom of draw, E. H. Warren tract, $NE_{\frac{1}{2}}^{1}NW_{\frac{1}{4}}^{1}$ sec. 59, Blk. Y, $1\frac{1}{2}$ miles east of Muleshoe.

	Thi	cknes	ss Depth
	(feet)	(feet)
Surface soil and clay-			2
Fine sandy clay		- 1	3
Fine white sand		- 2	5
White sandy caliche and			
caliche gravel	-	- 3	8
No water sample collecte	ed.	Nov.	10,1936.

Well 84

Gentle slope, E. K. Warren tract, center $S_{\overline{k}}^{1}$ sec. 59, Blk. Y, $l_{\overline{4}}^{3}$ miles east of Muleshoe.

Dark surface soil 2	2
Reddish-yellow sandy clay and	
caliche8	10
Red sand 1	11
White sandy clay and hard	
gravel 1	12
No water sample collected. Nov.	10,1936.

Well 86

Edge of draw, E. K. Warren tract, NE2SW2 sec. 60, Blk. Y, 12 miles east of Muleshoe.

Light sandy soil		
Powdery clay	- 1	3
Hard caliche	- 1	4
Soft clay and caliche	- 8	12
No water sample collected.	Nov.	10,1936.

Well 87

Flat, side of Highway 70, SWANW sec. 60. Blk. Y, $\frac{1}{2}$ miles northeast of Muleshoe. Fine brown topsoil-----2 Fine powdery clay and caliche 3 5 Caliche- - - - - -8 Caliche and limestone- - - -9 White caliche and clay - - -14 Red caliche, sand, and gravel 2 16 Struck water at 14 feet. No water sample collected. Oct. 12,1936.

Well 89

TAT	-	-	^	
TA1	$_{ m el}$	1	u	4
96		-1		-

Flat,	side	of cou	inty road,	NWINWI sec.	71
				of Muleshoe.	

Inickness	
(feet)	(feet)
Dark sandy soil1	1 1
Dark clay 3	4
Yellow sand and gravel 2	6
Yellow caliche, gravel 2	8
Caliche and clay 5	13
Rock	13
No water sample collected. Oct. 7,	1936.

Flat, side of county road, N	BHNF를 s	ec. 71
Blk. Y, $4\frac{1}{2}$ miles northeast of	f Mules	hoe.
Dark soil	1	1
Blue clay	2	3
Caliche	10	13
Caliche and sand	2	15
Hard rock	•	15
No water sample collected. Se	ept.30,	1936.

Well 100

· · · · · · · · · · · · · · · · · · ·	
Flat, $SE_{\underline{A}}^{1}SE_{\underline{A}}^{1}$ sec. 50, Blk. Y, $4\frac{1}{4}$ mi	les
north of Muleshoe.	
Dark sandy soil 1	1
Light sandy soil 2	3
Red sandy soil 1	4
Light sandy caliche 6	10
Red sandy caliche and clay - 5	15
Red sandy clay 4	19
No water sample collected, Oct. 7 1	936

Well 101

HOWT TOT	
Flat, side of county road, SE2SE2	sec.64,
Blk. Y, $4\frac{3}{4}$ miles northeast of Mule	shoe.
Brown sandy soil 3	3
Dark blue clay 5	8
Yellow sand 1	9
Sandy caliche and gravel 2	11
Light sandy clay 3	14
Fine red sand 4	18
Caliche and gravel 2	20
No water sample collected, Sept. 30	1936.

Well 106

Flat, side county road, NE2SE2 sec.	17,
Blk. W, 7 miles northeast of Mulesh	oe.
Light soil 3	3
Yellow caliche and sand 3	6
White caliche 2	8
Red sandy clay 1	9
Yellow sandy clay and caliche,	
gravel $5\frac{1}{2}$	14语
Rock	14 2
No water sample collected. Sept.29.	1936.

Well 112

Flat, side of county road, SELSEL sec.32,

Blk. W, $6\frac{1}{2}$ miles northeast of Mule	shoe.
Thickness	Depth
(feet)	(feet)
Dark soil 4	4
Light yellow sand and gravel 2	6
Light sandy caliche 4	10
Caliche2	12
Red clay and caliche 3	15
Hard rock	15
No water sample collected. Sept.29	,1936.

Well 115

Flat, side of county road, SW2SW2	
Blk. U, 5½ miles northeast of Mule	shoe,
Light sandy soil2	2
Light sandy soil 2 Caliche and sand $10\frac{1}{2}$ Rock	$12\frac{1}{2}$
Rock	12 1
No water sample collected. Sept.29	.1936.

Well 118

Gentle slope, side of county road	Ļ
$SV_{\pm}^{1}SV_{\pm}^{1}$ sec. 17, Blk. W, 6 miles r	orth-
east of Muleshoe.	
Sandy soil 2	1 2
Sandy caliche 8	10
Red clay and sand 1	11
White sandy caliche 4	1.5
Pod gandy alow and apliano 5	20

No water sample collected. Sept.29,1936.

Well 119

Flat, side of county road, N吸机吸	sec.83,
$5\frac{1}{3}$ miles northeast of Muleshoe.	
Dark soil 3	3
Caliche 4	7
Yellow caliche and sand 3	10
Caliche6	16
Rock	16
No water sample collected. Sept. 3	30,1936.

Well 125

$\texttt{Gentl} \epsilon$	slope,	side o	f cc	unty	road	i,
SELNE	sec. 73	2, Blk.	Υ,	$3\frac{3}{4}$ m	iles	north-
east of	Mules	noe.		-		
Dark su	rface a	soil			2	: 2

Dark surface soil 2	; 2
Yellow clay and gravel 2	4
Black sand and clay1	5
No water sample collected. Sept.	28.1936

Well 133

- }	46TT TOO
	Flat, side of county road, SE_SE_ sec. 33,
1	Blk. W, 6 miles northeast of Muleshoe.
	Dark soil2 2
Ì	Light sand and gravel 7 9
-	Red sandy clay 3 12
1	White sand and gravel 2 14
1	No water sample collected. Sept. 28,1936.

Gentle slope, side of county road, SEINE sec. 48, Blk. W, 51 miles east of Muleshoe.

	Thickness	Depth
	(feet)	(feet)
Dark soil	· 2	2
Rock	gravel 5	
Rock		7
No water sample collected	ed. Sept. 2	28,1936.

Well 138

Gentle slope, side of county road, NE¹SE¹ sec. 92, Blk. Y, 4³ miles northeast of Muleshoe.

Dark sandy soil	3	3
Light yellow sandy clay and		
gravel	2	5
White sand, clay and gravel-	2	7
Rock		7

No water sample collected. Sept. 28,1936.

Well 139

Gentle slope, side of Highway 70, SETWETS sec. 49, Blk. W, 50 miles east of Mule-shoe.

Sandy soil	1	1
Sandy clay	7	8
Caliche, sand and gravel Rock	5	13
Rock		13
Struck water at 11 feet.		

No water sample collected. Sept.28,1936.

Well 142

Gentle slope, side of Highway 28, $SE_{\underline{\underline{1}}}^{\underline{1}}NE_{\underline{\underline{1}}}^{\underline{1}}$ sec. 93, Blk. Y, $4\frac{1}{2}$ miles east of Muleshoe.

Dark sandy soil 1	1
Light sandy soil 2	3
Sand and caliche 11	14
Clay and caliche 6	20
Rock	20

Struck water at 19 feet.

No water sample collected. Sept. 28,1936.

Well 144

Gentle slope, W. E. Halsell tract, SWINWI sec. 80, Blk. Y, 31 miles east of Muleshoe.

Muleshoe.		
Dark sandy loam	- 1'	1
Light sandy clay and calich	.e 3	4
Weathered caliche		7
Yellow caliche and sand	- 6 월	13 1
Rock	-	$13\frac{1}{2}$
No water sample collected.	Sept.28	.1936.

Well 146

Flat, Janes Estate, League 205, Garza C. S. L., center west line $4\frac{1}{2}$ miles east of Muleshoe.

	Thi	ckness	Depth
	(feet)	(fest)
Dark surface soil		- 2	2
Fine yellow sand		- 2	4
White caliche		- 1	5
Red sandy clay and calid	che	- 4	9
White sandy caliche		- 2	11
Rock			: 11
No water sample collects	. he	Novi 9	1936

No water sample collected. Nov. 9;1936.

Well 147

No water sample collected. Nov. 9, 1936.

Well 148

Well 149

Water sample collected. Nov. 9, 1936.

Rolling plain, Janes Estate, League 220, Castro C. S. L., $5\frac{1}{5}$ miles east of Muleshoc.

Light sandy soil 2	2
White sandy clay 2	4
Red sandy clay 2	6
Red sand 2	8
Sandy caliche 2	10
White sandy clay 2	12
White sandy clay and gravel - 5	17
Struck water at 14 feet.	

Water sample collected. Nov. 9, 1936.

Well 150

Rolling plain, Janes Estate, center of League 220, Castro C. S. L., 6 miles east of Muleshoe.

Dark	surfac	ce soi	1			l i	.1
Fine	white						7
		(Conti	i nued	on	next	page)

Well 150--Continued

	Thickness	Depth
	(feet)	(feet)
Fine yellow sand	3	1 10
Fine white sand	- - - 2	12
Yellow sand and claye - '-	1	13
Caliche	1	14
Hard rock		14
No water sample collected	l. Nov. 9,	1936.

Well 159

South side of Highway 7, NW-SW- Lab	or 1,
Beague 204, Ochiltree C. S. L. 5 mil	es.
southeast of Muleshoe.	
Light brown sandy topseil $$ $1\frac{1}{2}$	l ļ
Sand and lime $1\frac{1}{2}$	3
Medium coarse sand and caliche	
pebbles 2	5
Yellow packed sand 5	10
Medium fine yellow sand and	
caliche3	13
Brownish-yellow sand and	
caliche5	18
No water sample collected.	

Well 160

South side of Highway 7, northwest corner NET Labor 2, League 204, Ochiltree C.S.L.; $4\frac{3}{4}$ miles southeast of Muleshoe. 违 Light brown sandy topseil - -Fine white sand- - - - -3 White sand and lime- - - -2 5 White sand and caliche pebbles 5 10 13 Medium fine yellow sand- - 3 18 Yellow sand and caliche pebbles5 No water sample collected.

Well 161

South side of Highway 7, $SW_{3}^{1}SE_{4}^{1}$ Lamar C. S. L., Blk. St 2, $4\frac{1}{2}$ miles southeast of Muleshoe.

Light brown sandy topsoil - - 4 4 Coarse gray sand- - - - - 4 8 Medium coarse brown sand- - - 1 9 Mixed sands- - - - - - 2 11 Caliche- - - - - - - - 3 14 Caliche and sand - - - - - 2 16 Water sample collected.

Well 162

Side of Highway 7, SWANWA Lamar C. S. L., Blk.S 2, 4 miles southeast of Muleshoe. Light brown sandy topsoil - 4 4 4 Fine sand and lime- - - - 2 6 Limestone sand- - - - - 5 11 White sand and caliche pebbles 1 12 Medium fine brown sand- - - 2 14 Water sample collected.

Well 163

South side	of Highwa	ay 7, NJ	₽ sec.	76,
Walker C.	s. L., Bl	k. S 2,	$3\frac{1}{3}$ mil	es
southeast	of Mulesho	oe.	•	

	Thi ckness			Depth
		(f	eet)	(feet)
Light brown sandy topsoi	i.	س.	3	3
Fine gray sand	-			13
Yellow clay and sand	-		1	14
Caliche and sand	-		2	16
Blue caliche	-	-	1	17
Water sample collected.				

Well 164

South side of Highway 7, $NE_{L}^{1}NV_{L}^{2}$ sec. 76, Walker C. S. L. Blk. S 2, $3\frac{1}{2}$ miles southeast of Muleshoe. Light brown sandy topsoil- - $1\frac{1}{2}$ $1\frac{1}{2}$ Fine yellow sand- - - - - 1 $2\frac{1}{2}$ Mixed red sand- - - - - $3\frac{1}{2}$ 6

Medium fine brown sand- - - 4 10
Caliche and sand- - - 7 17

No water sample collected.

Well 165

South side of Highway 7, $SE_{2}^{1}SW_{2}^{1}$ sec. 75, Blk. Y, $2\frac{8}{4}$ miles southeast of Muleshoe. Light brown sandy topsoil- - 2 | 2 Fine yellow sand- - - - - 1 | 3 Fine sand and lime- - - - 5 | 8 Caliche- - - - - - 2 | 10 No water sample collected.

Well 166

Water level, 4.5 feet below top of ground, 3 hours after hole completed.
No water sample collected. Jan. 11, 1937.

Well 167

Rock-----

Gentle slope, Halsell Catlle Co. tract, NW Labor 2, League 190, Ector C. S. L., 3 miles southeast of Muleshoe.

	Sandy soil	_		-	-	-	_	2	1	2
	Fine white sand -	-	-		-	_	-	4	į	6
	Gray sand	-	-	_	-	-	-	3		9
-	Gray sticky clay-	-	-	_		_		6		15
	Red sandy clay		_	_		_	_	4	i	19

Water level, 11 feet below top of ground, $\frac{1}{2}$ hour after hole completed.

No water sample collected. Jan. 11, 1937.

747	el	-	~	~ ~	٠
	α		i	68	-
**	c_{1}	1.		w	J

Flat, Halsell Cattle Co. tract, SW sec. 57, Walker C. S. L., Blk. S 2, 3 miles southeast of Muleshoe.

Boutified of Marchiec.	1
Thickness	Depth
(feet)	(feet)
Black sandy loam 2	. 2
Fine gray sand 3	5
Gray sticky mudi 2	7
Yellow gray sandy clay 3	10
Caliche gravels and rock -	10
Struck water at 4 feet.	ŧ
Water level, 2.3 feet below top of	of ground
5 hours after hole completed.	
Water sample collected. Jan. 11,	1937.

Well 169

Gentle slope, Halsell Cattle Co. tract, Swi sec. 57, Walker C. S. L., Blk. S 2, 3 miles southeast of Muleshoe. Dark sandy loam- - - - -2 3 Yellow sand- - - - - -1 9 12 Fine white sand- - - -4 16 Yellow sand- - - - -19 Gray gumbo - - -19 Rock- - - - - - - - -Struck water at 14 feet. No water sample collected. Jan. 11,1937.

Well 170

Gentle slope, Halsell Cattle Co. tract, NW1SW1 sec. 57, Walker C. S. L., Blk. S 2, 27 miles southeast of Muleshoe. Dark sandy loam- - - - 1 1 Fine red sand- - - - 2 3 Fine white sand- - - - 11 14 Yellow and gray sand- - 2 16 Gray gumbo and gravel 7 23 Rock- 7 23 Water level, 15.6 feet below top of ground, 3 hours after hole completed. Water sample collected. Jan. 11, 1937.

Well 171

Centle slope, Halsell Cattle Co. tract, $NW_{-}^{1}SE_{4}^{1}$ sec. 57, Walker C. S. L., Blk. S 2, $2\frac{1}{2}$ miles south of Muleshoe. 3 Dark sandy loam- - - - -Fine white sand- - - - -10 2 12 Red sandy clay- - - - -2 14 Gray sandy clay- - - - -2 Yellow clay and gravel - -Water level, 8 feet below top of ground, hour after hole completed. No water sample collected. Jan. 11,1936.

Well 173

South	side	of Hig	ghway	7,	NE ¹ S	E.	sec.	58,
Blk. Y								
	. ~			,	Phick	me s	ss De	pth

(feet)	(feet)
Light brown sandy topsoil $2\frac{1}{2}$	21/2
Fine yellow sand 1	31
White sand and lime $$ $1\frac{1}{2}$	5
White river sand $ 2\frac{1}{2}$	7=
Fine yellow sand $2\frac{1}{2}$	10
Caliche 5	15
Water sample collected.	

Well 174

1,02	
South side of Highway 7, NW_SE_ sec	c. 58,
Blk. Y, 2 miles southeast of Mules	h o ⊖.
Light brown sandy topsoil 3	3
Fine yellow sand1	4
Fine limestone sand ?	4.5 5
White sand and caliche probles 🧦 🔻	5
Caliche and sand 5	10
Caliche 5	15
Water sample collected.	

Well 175

South side of Highway 7, SE1SW1 se	c. 58,
Blk. Y, 12 miles southeast of Mule	shoe.
Light bronw sandy topsoil $1\frac{1}{5}$	
Fine yellow sand $4\frac{1}{5}$	6
White sand and lime 4	10
White sand and caliche pebbles 3	13
White limestone sand 1	14
Caliche 1	15
Water sample collected.	

Well 176

South side of Highway 7, northwest corner NV1, sec. 58, Blk. Y, $1\frac{1}{2}$ miles southeast of Muleshoe.

Light brown sandy topsoil 4	4
Caliche and gray sand 5	9
Caliche	9
No water sample collected.	

Well 177

South side of Highway 7, SE ₄ SE ¹ se	c. 54,
Blk. Y, $1\frac{1}{4}$ miles southeast of Mule	shoe.
Light brown sandy topsoil 2	2
Fine yellow sand $$ 2 $\frac{1}{3}$	4 1
Light brown sand $$ 1\frac{1}{\varepsilon}	6
Caliche $1\frac{1}{7}$	7분
Fine yellow sand $ 1^{\frac{1}{4}}$	9
Fine brown sand 1	10
Caliche3	13
Caliche and clay 1	14
Caliche1	15
Water sample collected.	

Well 178	Well 183
South side of Highway 7, SW_SE_ sec. 54,	Flat, townsite block 15, lot 22, sec. 39,
Blk. Y, 1 mile southeast of Muleshoe.	Blk. Y, in Muleshoe.
Thickness Depth	
(feet)	(feet) (fcet)
Light brown sandy topsoil - 2 : 2	Light sandy soil 2 2
Fine yellow sand 4 : 6 !	Soil and sand 2 4
White river sand 3 : 9 :	Sandy caliche 1 5
Caliche and fine sand 1 10	Red sandy clay 2 7
Water sample collected.	Sendy caliche9 16
	White sandy clay 2 18
Well 179	· , · · · · · · · · · · · · · · · · · ·
South side of Highway 7, $SW_{4}^{1}SE_{4}^{1}$ sec. 54,	Hard caliche and sand 7 25
Blk. Y, $\frac{3}{4}$ mile southeast of Muleshoe.	No water sample collected. Dec. 21,1936.
Light brown sandy topsoil - $1\frac{1}{2}$ $1\frac{1}{2}$	Well 184
Fine yellow sand $\frac{1}{2}$ 2	South side of Highway 7, NW NW sec. 54,
Sand and lime 3 5	Blk. Y, in Muleshoe.
Caliche 1 6	Light brown sandy topsoil $1\frac{1}{2}$ $1\frac{1}{5}$
	White river send 1 2½
Yellow caliche $\frac{1}{2}$ $7\frac{1}{2}$ Red clay $2\frac{1}{2}$ 10 Caliche and river sand $1\frac{1}{2}$ $11\frac{1}{2}$	White sand and caliche $2\frac{1}{2}$ 5
Caliche and river sand $1\frac{1}{2}$ $11\frac{1}{2}$	
Water sample collected.	Mixed sand3 8
Martel Sample Collected.	Hard caliche 8
Wa31 300	No water sample collected.
Well 180	
South side of Highway 7, center SW sec.	Well 185
54, Blk. Y, ½ mile east of Muleshoe:	West side of Highway 214, $SW_{4}^{1}NE_{4}^{1}$ sec. 39,
Light brown sandy topsoil $1\frac{1}{\epsilon}$ $1\frac{1}{\epsilon}$	Blk. Y, in Muleshoe.
Fine gray sand $ 1$ $2\frac{1}{9}$	Light brown sondy tepsoil $3\frac{1}{6}$ $3\frac{1}{6}$ Caliche and fine river sand 4 $7\frac{1}{6}$ Dark gray sandy clay 2 $9\frac{1}{6}$
Red sandy clay $3\frac{1}{5}$ 6	Caliche and fine river sand -4 $7\frac{1}{8}$
Caliche and sand 3 9	Dark gray sandy clay 2 91
Caliche 9 18	Coarse light red sand 41 14
Water sample collected.	No water sample collected.
Well 181	Well 186
South side of Highway 7, NV2SW2 sec. 54,	Side of Highway ?, NVANE sec. 38, Blk.
Blk. Y, $\frac{1}{4}$ mile east of Muleshoe.	Y, in Muleshoe.
Light brown sandy topsoil 1 1	Light brown sandy topsoil 3 3
White sand and caliche pebbles 1 2	White river sand 3 6
White limestone sand 1 3	Caliche
Sand and caliche 5 8	Fine vellow sand 1 10
Caliche $\frac{1}{6}$ $8\frac{1}{3}$	
Water sample collected.	
Harot bangto oottooroa	Sandy caliche
Well 182	Caliche and fine yellow sand - 2 14
	Brown limestone sand 1 15
Flat, M. C. Bell tract, SE ¹ / ₄ sec. 39, Blk.	The state of the s
Y, 4 mile east of Muleshoe.	Caliche 17
Soil2 2 2	No water sample collected.
Caliche 8 10	
Fine red sandy clay 5 15	Well 187
Caliche, soft 8 23	Gentle slope, E. K. Warren tract, NUZ
Hard caliche12 35	sec. 39, Blk. Y, $\frac{1}{2}$ mile west of Muleshoe.
Struck water at 14 feet.	Light sandy clay soil 2 2
Water level, 14.1 feet below top of	Light clay and caliche 12 14
ground, 2 weeks after hole completed.	Fine red sand 1 15
Water sample collected. Jan. 4, 1937.	Caliche20 35
	1
ţ	Water level, 24.9 feet below top of
	ground, 1 week after hole completed.
}	Water sample collected. Dec. 9, 1936.

Wall 100	Well 193
Well 188 Flat, E. K. Warren tract, SE ₂ SE ₂ sec. 34, Blk. Y, 3/4 mile west of Muleshoe. Thickness Depth (feet) (feet) Soil and mud~ 2 2	West side of Highway 214, NW NE sec. 38, Blk. Y, 3/4 mile south of Muleshoe. Thickness Depth (feet) (feet)
Caliche 10 12 Struck water at 4 feet. Mo water sample collected. Dec. 22, 1936. Well 189	Light brown sandy topsoil $-\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ Limestone soil $-\frac{1}{2}$ $-\frac{1}{2}$ $\frac{1}{2}$ White limestone sand $-\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ Caliche and sand $-\frac{1}{2}$ $-\frac{1}{2}$ $-\frac{1}{2}$ Fine sandy caliche $-\frac{1}{2}$ $-\frac{1}{2}$ $-\frac{1}{2}$ $-\frac{1}{2}$ Water sample collected.
Gentle slope, C. S. Holand tract, NE ₂ SW ¹ sec. 39, Blk. Y, ½ mile west of Muleshoe. Light sandy soil 3 3 Fine light sand 8 11 Dark sandy clay 10 21 Fine red sand 5 26 Light sandy clay 6 32 White clay and sand 6 38 White limy clay, caliche and sand 10 48 Hard caliche and sand 5 53 No water sample collected. Dec. 31, 1936.	Well 194 West side of Highway 214, $SW_{2}^{\perp}NW_{2}^{\perp}$ sec. 38, Blk. Y, 1 mile south of Muleshoe. Light brown sandy topsoil - $1\frac{1}{2}$ $1\frac{1}{2}$ White sand
Well 190 West side of Highway 214, center west side SE $\frac{1}{4}$ sec. 39, Blk. Y, $\frac{1}{4}$ mile southwest of Muleshoe. Light brown sandy topsoil - $3\frac{1}{2}$ $3\frac{1}{2}$ Sandy loam 1 $4\frac{1}{2}$ White river sand 3 $7\frac{1}{2}$ Caliche and sand $1\frac{1}{2}$ 9 Coarse river sand 2 11 Struck water at $10\frac{1}{2}$ feet. **Jater sample collected.*	Blk. Y, 1 miles south of Muleshoe. Light brown sandy topsoil $-\frac{1}{2}$ Fine white sandy soil $-\frac{1}{2}$ Fine white sand $-\frac{1}{2}$ White river sand $-\frac{1}{2}$ Quicksand $-\frac{1}{2}$ Struck water at 10 feet. No water sample collected.
Well 191 West side of Highway 214, NELSW sec. 39, Blk. Y, imile southwest of Muleshoe. Light brown sandy topsoil - 5 5 Brown sand and gravel 1 5 Caliche, sand and gravel 1 7 Caliche 6 13 Water sample collected.	Well 196 West side of Highway 214, $NE_{\pm}^{1}NW_{\pm}^{1}$ sec. 37, Blk. Y, $1\frac{3}{2}$ miles south of Muleshoe. Light brown sandy topsoil $-3\frac{1}{2}$ $3\frac{1}{2}$ Fine white sand $4\frac{1}{2}$ 8 White river sand 10 18 Fine red sand 1 19 Sandy caliche 3 22 Water sample collected.
Well 192 West side of Highway 214, $SE_{\pm}^1SW_{\pm}^1$ sec. 39, Blk. Y, $\frac{3}{4}$ mile southwest of Muleshoe. Light brown sandy topsoil 2 2 White river sand 2 4 Caliche and sand 4 8 White sand 5 $\frac{1}{2}$ $13\frac{1}{2}$ Struck water at 13 feet. Water sample collected.	West side of Highway 214, $SE_2^1NW_2^1$ sec. 37, Blk. Y, 2 miles south of Muleshoe. Light brown sandy topsoil $-3\frac{1}{2}$ $3\frac{1}{2}$ Fine yellow sand 1 $4\frac{1}{2}$ White river sand $6\frac{1}{2}$ 11 Sandy caliche $2\frac{1}{2}$ 13 $\frac{1}{2}$ Clay, sand and caliche $1\frac{1}{2}$ 15 Water sample collected.

Logs of W. P. A. test wells:	in Bailey CountyContinued
Well 198 West side of Highway 214, NELSW sec. 37, Blk. Y, 21 miles south of Muleshoe. Thickness Depth (feet) (feet) Light brown sandy topsoil 3 3 Fine sandy clay 21/2 51/2 White river sand 41/2 10 Fine sandy clay 1 11 Red sandy clay 21/2 131/2 No water sample collected.	Well 206Continued Thickness Depth (feet) (feet) Fine red sand $2\frac{1}{2}$ $16\frac{1}{2}$ Fine sand and caliche pebbles $1\frac{1}{2}$ 18 Caliche and sand 2 20 Fine, light red sand 2 22 Dark red sand 15 37 Caliche and fine sand 3 40 Caliche 40 No water sample collected.
Well 199 West side of Highway 214, center SW sec. 37, Blk. Y, 2½ miles south of Muleshoe. Light brown sandy topsoil 5 5 Fine white sand 5 10 Fine brown sand 6 16 Packed clay and sand 7 23 Caliche 7 30 No water sample collected. Well 200	Well 204 West side of Highway 214, NW_{-}^{1} Labor 6, League 191, Ector C. S. L., 6 miles south of Muleshoe. Light brown sandy topsoil - $4\frac{1}{2}$ $4\frac{1}{2}$ Catclaw sand 1 $5\frac{1}{2}$ Caliche and sand $\frac{1}{2}$ 6 Fine yellow sand 2 12 Packed yellow sand 5 17 No water sample collected.
West side of Highway 214, SE ¹ SW ¹ sec. 37, Blk. Y, 2 ³ / ₄ , miles south of Muleshoe. Light brown sandy topsoil————————————————————————————————————	Well 206 West side of Highway 214, center west side Labor 16, League 191, Ector C. S. I. 7 miles south of Muleshoe. Light brewn sandy topsoil 2 2 2 Red catclaw sand 2 4 5 and, caliche and gravel- 8 12 Caliche and white sand 5 17 No water sample collected.
Well 202 West side of Highway 214, northwest corner Labor 15, League 190, Ector C. S. L., $3\frac{3}{4}$ miles south of Muleshoe. Light brown, fine sandy topsoil $2\frac{1}{2}$ $2\frac{1}{2}$. Fine yellow sand 1 $2\frac{1}{2}$ $2\frac{1}{2}$. Fine sandy clay 1 $2\frac{1}{2}$. Caliche and fine sandy clay - $3\frac{1}{2}$ 10 Fine yellow sand 5 15 Packed yellow sand 3 18 Fine red sand 4 22 No water sample collected.	Well 208 Gentle slope, side of county road, north side NW1 Labor 9, League 188, Ector C. S. L., 6 miles south of Muleshoe. Light sandy soil 1 1 Dark clay 2 3 Red sand and gravel 4 11 Red sandy clay 4 11 Red sand and clay 1 25 Red sand and clay 4 29 Rock 29½ No water sample collected. Oct. 19,1936.
West side of Highway 214, center west side Labor 26, League 190, Ector C. S. L., 5 miles south of Muleshoe. Light brown sandy topsoil——— $1\frac{1}{2}$ $1\frac{1}{2}$ White river sand————————————————————————————————————	Well 209 Gentle slope, side of county road, SE1 SE1 Labor 9, League 175, Sutton C. S. L., 7 miles southwest of Muleshoe. Light surface soil 3 3 Dark gumbo and clay 4 7 Caliche 10 17 Yellow sandy clay 3 20 Fine red sandy clay 4 24 No water sample collected. Oct. 17,1936.

Logs of W. P. A. test wells	in Bailey CountyContinued
Well 213	Well 218Continued
Gentle slope, E. K. Warren tract, NE sec.	Thickness Depth
35, Blk. Y, $1\frac{1}{2}$ miles southwest of Muleshoe	(feet) (feet)
Thickness Depth	Sand2 6
(feet) (feet)	Sand and caliche 6 13
Very dark sandy soil 2 2	Water level, 8.5 feet below top of ground,
Fine sand 4 6	15 hours after hole completed.
Sand and little soil 6 12	No water sample collected. Sept. 24,1936.
Caliche and sand 1 13	
Sandy clay and caliche $4\frac{1}{2}$ $17\frac{1}{2}$	Well 219
Water level, 17.5 feet below top of ground	
1 hour after hole completed.	scc. 9, Blk. Y, 4 miles west of Muleshoe.
No water sample collected. Sept. 24, 1936.	Dark sandy soil 1
and harder banger outliered by the dry leader	
Well 214	White limy cand 0
Gentle slope, E. K. Warren tract, NEINE	Struck water at 14 feet. No water sample collected. Sept. 25,1936.
sec. 18, Blk. Y, 2 miles southwest of	The water bangle collected below be, 1500.
Muleshoe.	Well 220
Dark sandy soil 1 1	Gentle slope, E. K. Warren tract, SW1NW1
Brown sand and soil 3 4	sec. 9, Blk. Y, $4\frac{8}{4}$ miles west of Muleshoc.
Sandy soil 2 6	Sandy soil 2 2
Fine white sand 2 8	Sand and caliche2 4
Sandy caliche and clay 5 13	White sand1 5
Caliche and sand 2 15	White limy sand 5 10
Rock 15	Loose caliche 2 12
Water level, 13.8 feet below top of ground	i !
hour after hole completed.	Water level, 13.7 feet below top of
No water sample collected. Sept. 24,1936.	
No water bampro corrected. Dept. ar, rece.	ground, 1 hour after hole completed. Jater sample collected. Sept. 25,1936.
Well 215	Well 221
Gentle slope, E. K. Warren tract, NEZNWZ	Gentle slope, E. K. Warren tract, SE-NW-
sec. 18, Blk. Y, 2 miles west of Muleshoe	
Dark sandy soil 1 1	Dark surface soil 1 1
Sandy caliche and clay 3 4	Cream-colored dirt 6 7
Caliche 3 7	Fine white sand 3 10
Sand and caliche 3 10	Soft caliche 3 13
White sand 1 11	Hard caliche 13
Rock 11	Struck water at 12 feet.
Water level, 10.5 feet below top of ground	
hour after hole completed.	, , , , , , , , , , , , , , , , , , , ,
No water sample collected. Sept. 24,1936.	Well 222
	Gentle slope, E. K. Warren tract, center
Well 216	SW sec. 2, Blk. X, 61 miles west of
Side of draw, E. K. Warren tract, NWANE	Muleshoe.
sec. 15, Blk. Y, 3 miles west of Muleshoe.	Light soil and caliche 2 2
Sandy soil 1 1	Soft caliche 4 6
Caliche and sand 6 7	Caliche and sand 3 9
Sand and caliche 5 $\frac{1}{2}$ 12 $\frac{1}{2}$	Red clay and sand 3 12
Rock 12½	Caliche and clay 3 15
Water level, 11.4 feet below top of ground	
15 hours after hole completed.	Rock 17
ı	Water level 16.5 feet below top of
The worker comban course occurs belong with a property	ground, ½ hour after hole completed.
Well 218	No water sample collected. Sept. 25,1936.
Side of draw, E. K. Warren tract, SWINWI	land the second
sec. 15, Blk. Y,3 miles west of Muleshoe.	
Dark surface soil 1 1	
Sand and soil3 4	
- 1	•

TIT - T	-	_	00
Wel		- 2.	23

Gentle slope, E. K. Warren tract, SE-SEsec. 8, Blk. Z, 7½ miles west of Muleshoe. Thickness Depth

	(feet)	(feet)
Soil and sand	- 1	; 1
Caliche and sand		6
Sand and clay	- 4	10
Cream-colored clay and sand	l= 4	14
Hard rock	-	14
No water sample collected.	Sept.	25.1936.

Well 229

Flat, side of county road, SE SE Labor 20, League 171, Hale C. S. L., $9\frac{1}{2}$ miles southwest of Muleshoe.

Medium sandy loam 2	2
Blue clay 1	3
Blue clay and gumbo 2	5
Fine white sand 3	8
Coarse yellow clay and sand- 1	9
White clay and caliche 3	12
No water sample collected. Oct. 20,	1936.

Well 230

Gentle slope, side of county road, SWASWA Labor 25, League 175, Sutton C. S. L., $9\frac{1}{5}$ miles southwest of Muleshoe. Light sandy soil- - - - -Caliche and sand- - - - - -4 White sand- - - - - - - -10 Dark sandy loam - - - - -11 Light yellow sand - - - - -14 Sandy caliche-----18 No water sample collected. Oct. 20,1936.

Well 231

Hilltop, V. V. N. Ranch, SW1 Labor 24, League 171, $10\frac{1}{2}$ miles southwest of Muleshoe. No water sample collected. Dec. 10,1936. Dark sandy surface soil- - 4 Fine light sand- - - - - 11 No water sample collected. Oct. 20, 1936.

Well 232

Gentle slope, V. V. N. Ranch, SE Labor 25, League 171, 11 miles south of Muleshoe. Sandy soil- - - - - 4 Fine white sand - - - - 7 11 Yellow clay and fine sand - - 11 22 Struck water at 16 feet. Unable to pick up cuttings at 22 feet. Water level, 12 feet below top of ground, $\frac{1}{4}$ hour after hole completed. No water sample collected. Oct. 20, 1936.

Well 233

Lake bed, V. V. N. Ranch, SE Labor 25. League 171, 11 miles southwest of Muleshoe.

	Thickness	Depth
	(feet)	(feet)
Dark sandy clay and alka	ali	
crystals	3	3
White granular gypsum-	8	11
Coarse sand and water gr	ravel	
quartz	1	12
Struck water at 4 feet.		
Water sample collected.	Oct. 20,	1936.

Well 237

Flat, V. V. N. Ranch, south side sec. 2, Blk. O, 11 miles west of Muleshoe. Dark sandy soil- - - - -7 7 Brown sandy clay - - - -10 11 Red clay and sand- - - - -4 15 Coarse brown sand- - - -5 20 Red gypsum clay and caliche 6 No water sample collected. Dec. 10.1936.

Well 239

Flat, center strip east of sec. 1, Blk. 0, 10 miles west of Muleshoe. Brown sandy soil- - - - -1 White sand- - - - - - -Sandy clay- - - - - - -8 White sand- - - - - - -2 10 Caliche, clay and gravel - -12 White clay and sand- - -18 White sand and clay- - -22 White clay- - - -31 Struck water at 13 feet. Water level, 12.0 feet below top of

Well 305

Bottom of small sink, side of county road, north side S \frac{1}{2} \text{ sec. 5, Blk. F, 3} miles west of Baileyboro.

ground, i hour after hole completed.

Black gumbo	 4	4
Ash-blue clay	 17	21
Gumbo with little sand -	 2	23 28
Fine red sand	 5	28

Struck water at 25 fest. Water level, 24.6 feet below top of ground, 30 days after hole completed. Water sample collected. Nov. 20, 1936.

Well 306

(Continued on next page)

Gentle slope, side of county road, SE sec. 5, Blk. F, $2\frac{8}{4}$ miles west of Baileyboro. Sandy so il- - - - - -

Well 305Continued	Well 318Continued
Thickness Depth	Thickness Depth
(feet) (feet)	(feet) (feet)
White clay and caliche 2 4	Caliche and gravel 4 10
Red clay and caliche 6 10	
Light yellow clay and caliche 2 12	Fine brown and yellow sandy
No water sample collected. Oct. 21, 1936.	
·	Light yellow clay 2 25
Well 307	Water level, 22.5 feet below top of
Bottom of small sink, side of county road,	
SE1 Labor 17, League 169, 2 miles north-	No water sample collected. Nov. 20,1936.
west of Baileyboro.	
Surface soil 2 2	Well 319
Clay and caliche 6 8	Gentle slope, side of county road, south-
Hard rock 8	east corner Labor 19, League 177, Motley
No water sample collected. Oct. 21,1936.	C. S. L., 2 miles northeast of Bailey-
The state of the s	boro.
Well 309	Dark sandy loam1 1
Top of ridge, W. M. Bell Estate, NEASW	Red sand 3 4
Labor 18, League 169, 13 miles northwest	Fine white sand 6 10
of Baileyboro.	White sand and clay 8 18
Light sandy soil 3 3	Red sand and clay 7 25
Light sandy clay and caliche- 9 12	T
	Fine white sandy clay and
No water sample collected. Oct. 21,1936.	
No waver sample collected. Oct. 21,1930.	Struck water at 25 feet.
Well 315	No water sample collected. Nov. 20,1936.
	Well 320
Gentle slope, side of county road, south	
side Labor 25, League 177, Motley C. S. L.	
# mile north of Baileyboro.	Labor 25, League 186, Swisher C. S. L.,
Dark sandy loam 3 3 Blue sandy clay 2 5	2 miles east of Baileyboro.
	Sandy loam 5 5 Light limy sand and clay 2 7
Blue-gray limy clay and sand 11 17	
Light brownish-yellow clay and	Medium coarse dark sand and
gumbo	gravel 2 10
No water sample collected. Nov. 20,1936.	No water sample collected. Nov. 20,1936.
Well 316	Well 325
Gentle slope, side of county road, south-	West side of Highway 214, center of
west corner Labor 23, League 177, Motley	west side Labor 5, League 192, Foard
C. S. L., 1 mile east of Baileyboro.	C. S. L., 7 miles northeast of Baileyborn.
Dark sandy loam 6 6	Light brown topsoil 3 ; 3
Medium white sand 3 9	Catclaw sand $$
Medium yellow sand 1 10	
Coarse brown sand 5 15	Caliche and fine white sand- 15 6 Fine yellow sand 4 10
† <i>i</i>	Packed yellow sand 7 17
Struck water at 15 feet.	
Caves at 15 feet.	No water sample collected.
Water sample collected. Nov. 19, 1936.	Well 327
Wall Glo	Top of ridge, side of county road, $7\frac{1}{2}$
Well 318	
Gentle slope, side of county road, south-	miles northeast of Baileyboro.
west corner Labor 18, League 177, Motley	Fine light sandy soil 2 2
C. S. L., 12 miles northeast of Bailey-	Fine red sand 7 9
boro.	Red sandy clay and caliche - 5 14
Dark sandy loam2 2	Fine red sand 2 16
Ash-colored caliche and rocks 2 4	No water sample collected. Oct. 13,1936.
Sandy clay and caliche gravel 2 6	
• •	

W 17 G00	TT 23 P 40
Well 328	Well 340
Side of draw, side of county road, NV NW	Bed of lake, O. E. Duncan tract, SW2
Labor 3, League 192, Foard C. S. L., 8	Labor 25, League 209, Deaf Smith C. S. L.,
miles northeast of Baileyboro.	10 miles east of Baileyboro.
Thickness Depth	Thickness Depth
(feet) (feet)	(feet) (feet)
Dark sandy loam 1 1	Light gumbo and soil 3 3
	;
Dark gumbo 5 6	Red sandy clay 3 6
Fine yellow sandy caliche and	Light yellow clay and sand- 4 10
clay 8 14	White sand 3 13
Fine red sand 9 23	No water sample collected. Nov. 6, 1936.
Fine light sand, and clay 9 32	
No water sample collected. Oct. 13, 1936.	Well 348
	Flat, side of county road, west side of
Well 332	SW Labor 5, League 196, Foard C. S. L.,
Eige of lake, side of county road, N'ANWA	7 miles southeast of Baileyboro.
	i -
Labor 5, League 202, Roberts C. S. L., 9	Dark soil and clay 4 4
miles northeast of Baileyboro.	Light sandy clay2 6
Dark sandy loam2 2	Red clay 4 10
Yellow sandy clay1 3	Light gypsum and clay 12 22
Caliche2 5	Red gypsum, sand and clay - 2 24
Yellow sandy clay and caliche- 9 14	Light sand, gypsum and clay 2 26
Red clay1 15	Yellow gumbo and clay 3 29
Caliche and sandy clay 11 26	Sandy clay and gypsum 5 34
Fine yellow sandy clay 4 30	Yellow clay, gypsum, little
No water sample collected. Oct. 13, 1936.	sand
Mo water sample coffeeted, occ, 19, 1990.	
Wall gon	Struck water at 38 feet.
Well 337	Water level, 36.4 feet below top of
NW Labor 6, League 209, Deaf Smith C. S.	ground, ½ hour after hole completed.
L., $10\frac{1}{2}$ miles east of Baileyboro.	Water sample collected. Dec. 3, 1936.
Sandy surface soil 2 2	
Gray sand 3 5	Well 349
White caliche and gravel 5 10	Gentle slope, U. S. Government land,
Gray caliche and gravel 7 17	center No Labor 12, League 183, Floyd
Red clay and caliche 8 25	C. S. L., $6\frac{1}{2}$ miles southeast of Bailey-
Fine yellow sand 7 32	boro.
Red sand 4 36	Dark top soil 4 4
No water sample collected. Nov. 6, 1936.	Light yellow clay and gypsum 3 7
No water sample collected. Nov. o, 1886.	Red clay 6 13
W-2.7 CCC	
Well 339	· · · · · · · · · · · · · · · · · · ·
Side of county road, $SE_{\pm}^{1}SE_{\pm}^{1}$ Labor 20,	White sand and gypsum 7 25
League 201, Roberts C. S. L., 10 miles	White sandy clay and gypsum 3 28
east of Baileyboro.	Struck water at 25 feet.
Light sandy soil2 2 2	Water sample collected. Dec. 3, 1936.
Red sandy soil 2 4	
White sandy clay and gravel - 3 7	Well 350
Red sandy clay and gravel - 2 9	Flat, U. S. Government land, NW Labor
Light sandy soil and gravel - 1 10	90, League 183, Floyd C. S. L., 6 miles
Light red sand 6 16	southeast of Baileyboro.
Red sand 3 19	Dark topsoil 4 4
	Gray gumbo and gypsum 8 12
22000 2000 0000	
Gravel, clay and sand 1 27	1
Rock \frac{1}{2} 27\frac{1}{2}	No water sample collected. Dec. 3, 1936.
No water sample collected. Nov. 6, 1936.	•
·	

747	~	•	
We	•		351
ALC:			

Side of dune, side of county road, SW_SW_ Labor 16, League 195, Foard C. S. L., $6\frac{1}{2}$ miles southeast of Baileyboro.

Thickness	Depth
(feet)	(feet)
Light limy gypsum soil 10	10
Dark gumbo and sandy soil 4	14
Light gumbo clay 5	19
Yellow weathered clay 4	23
Yellow gumbo and gypsum	
crystals 9	32
Dark blue gypsum clay 7	39
Coarse yellow sand 1	40
Tough yellow clay1	41
Water level, 29.4 feet below top of	
ground, 4 hour after hole completed	L.
No water sample collected. Nov. 24,	1936

Well 352

Side of dune, U. S. Government land. NW Labor 10, League 195, Foard C. S. L., 6 miles southeast of Baileyboro. Light gypsum soil- - - - - 29 Dark gypsum clay - - - - - 14 No water sample collected. Dec. 9, 1936.

Well 353

Lake bed, U. S. Government land, NENE Survey 9, League 184, Swisher C. S. L., 6 miles southeast of Baileyboro. Blue mud- - - - - - 3 Light sand, gypsum crystals -4 Blue sand, gypsum crystals- - 12 16 Blue clay, - - - - - -20 Rock- - - - - - -20층 Struck water at 5 feet. Water level, 3.1 feet below top of ground, 48 hours after hole completed.

Well 354

Water sample collected. Nov. 24, 1936.

Edge of lake, U. S. Government land, $SE_{4}^{1}SE_{4}^{1}$ Survey 4, League 184, Swisher C. S. L., 6 miles southeast of Baileyboro, No water sample collected. Nov. 3, 1936. Light clay-----1 1 2 Light red clay- - - - - -Blue gumbo clay- - - - -5 7 12 Blue sandy clay- - - - -2 14 Light sandy clay- - - - - -Blue gumbo and rock- - - -16 Struck water at 9 fect. Water level, 6.6 feet below top of ground, 48 hours after hole completed, Water sample collected. Nov. 24, 1936.

Well 356

Edge of draw, side of county road, east side NE Survey 3, League 184, Swisher C. S. L., $5\frac{1}{2}$ miles southeast of Baileyboro.

		ess Depth
	/ T G G () (ree)
Surface soil	2	2 , 2
Light yellow sandy clay a	and	Í
gravel	?	3 5
Yellow clay, gypsum and 1	little	
sand	(5 11
Light yellow clay	2	3 13
Light red sand	3	3 16
Coarse sand]	l 17
White clay and gravel]	L 18
Black shale	3	3 21
Yellow clay and gypsum-]	L 22
Hard rock		22
No water sample collected	d. Dec.	4, 1936.

Well 361

Flat, side of county road, SWESWE Labor 3, League 178, Motley C. S. L., 3 mile east of Baileyboro. Sandy loam soil- - - - - -Calicha------3 Caliche and fine sand- - - -2 5 Fine white sand $\leftarrow - - - - - -$ 9 5 Yellow sandy clay- - - - -14 Brown clay-----5 19 Blue clay- - - - - - - -14 Struck water at 12 feet. Water level, 11.7 feet below top of ground, 4 hours after hole completed. Water sample collected. Nov. 19, 1936.

Well 363

Bed of draw, NE Labor 16, League 178, Motley C. S. L., $l_{4}^{\frac{1}{4}}$ miles south of Baileyboro.

Yellow clay-		~	_		_	_		-	5	5
Blue clay	-	_	-	-	_		-	_	10	15
Yellow clay- Blue clay Rock	~	-	-	-	-			-		15
	_		_	_						

Well 364

Side of lake, SE Labor 6, League 178, Motley C. S. L., $1\frac{1}{2}$ miles south of Baileyboro. Yellow clay- - -Blue clay- - - - - -8 Rock- - - - - - - -

No water sample collected. Nov. 3, 1936.

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

Wel	1	-31	ĥ	5

Side of draw, center of Labor 17, League 178, Motley C. S. L., $1\frac{1}{2}$ miles south of Baileyboro.

	Thick	iess	Depth
	(fe	et)	(feet)
Blue and gray clay		4	4
White clay and gumbo		2	6
Light yellow gumbo and sar	nd -	1	7
Light clay		5	12
Struck water at 4 feet.			
No water sample collected.	Nov.	3, 1	.936.

Well 366

Side of draw, center of Labor 17, League 178, Motley C. S. L., $1\frac{1}{2}$ miles south of Baileyboro. Blue and gray gumbo- - - - -White gumbo and clay- - -8 Yellow gumbo- - - - - -12 Light red gumbo-----

Struck water at 4 feet. No water sample collected. Nov. 3, 1936.

White gumbo- - - - - - -

Well 368

Side of draw, NE Labor 17, League 178, Motley C. S. L., 11 miles south of Baileyboro.

Gray gumbo		$4 \mid 4$
White gumbo and	clay	4 8
Struck water at	4 feet.	•
No water sample	collected, Nov. 3	3. 1936.

Well 371

Bed of draw, U. S. Government land, N' Survey 12, League 184, Swisher C. S. L., 5 miles southeast of Baileyboro. Light gravel and clay- - - - 4 Light yellow fine sandy clay -Hard rock- - - - - - - -13 Water level, 6 feet below top of ground, 1 hour after hole completed. Water sample collected. Dec. 2, 1936.

Well 374

Bed of draw, U. S. Government land, SEE Survey 12, League 184, Swisher C. S. L., 5½ miles southeast of Baileyboro. Clay and gravel- - - - - -Blue clay- - - - - - - -5 Yellow clay- - - - - - - -6 Dark shale and clay- - - - -8 Yellow clay and gravel- --9 12 Dark clay- - - - - - -Yellow clay and gravel- - -13 Rock- - - - - - - - -No water sample collected. Dec. 2, 1936.

Well 3'5

Side of lake, U. S. Government land, center No Labor 7, League 183, Floyd C. S. L., $5\frac{1}{2}$ miles southeast of Bailey-

	Thickness	Depth
	(feet)	(feet)
Light clay	3	3
Yellow sandy clay	· 2	5
Yellow clay and rock	 3	8
No water sample collected	1. Dec. 2,	1936.

Well 383

11044 000	
Side of lake, N程 sec. 8, Blk. F,	4 3
miles southwest of Baileyboro:	_
Brownish-yellow shale and clay 4	4
Blue and brown shale, thin layer	
of limestone 6	10
Black shale 1	11
Light limy shale, crystals of	
gypsum and fossils 1	12
Dark brown and black shale 7	19
Dark brown shale 2	21
Black shale and clay 2	23
Blue shale and clay 2	25
No water sample collected. Oct. 28	,1936.

Well 384

Side of lake, N畦 sec. 8, Blk. F, 4克 miles southwest of Baileyboro. Dark sticky clay. - - - - - 5 Fine light packed sand- - - 7 Struck water at 7 feet. Mo water sample collected. Oct. 28,1936.

Well 385

MOTT 200		_
Side of lake, SE_{\pm}^{1} sec. 7, Blk.	F,	4
miles southwest of Baileyboro.		
Soft white clay	2	2
Fine sandy soil	8	10
Light clay and soil	3	13
Fine yellow sticky sand	5	18
Fine light sticky sand	6	24
Struck water at 18 feet.		•
No water sample collected. Oct.	. 28	,1936.

Well 392

Bed of lake, Orval Fowler lease, S.	E <u>1</u>
NV_{2}^{1} sec. 35, Blk. B, 8 miles west	ρĒ
Baileyboro.	
Darl. clay and gumbo 16	16
Brown clay and gumbo 3	19
Yellow clay and fine sand 8	27
Fine white sand and caliche- 6	33
No water sample collected. Oct. 30	.1936.

717 -		
Wel	1	-402

Lake bed, side of county road, SW4SE2 sec. 45, Blk. C, 14 miles southwest of Baileyboro.

Thickness	Depth
(feet)	(feet)
Sandy soil and caliche 4	1 4
White, soft caliche and gravel 3	7
Hard caliche	1 7
No water sample collected. Now. 4,	1936.

Well 403

Gentle slope, side of county road, SW4SW2 sec. 46, Blk. C, $14\frac{1}{2}$ miles southwest of Bailevboro.

Dairo, Doros	
Medium surface soil 4	4
White caliche and caliche gravel 4	8
Red clay and caliche gravel- 7	15
Hard rock	15
No water sample collected. Nov. 4. 1	936.

Well 404

Flat, side of county road, SW2SE2 sec. 46, Blk. C, 14 miles southwest of Baileyboro. Hard surface soil- - - - -Light red caliche gravel - -6 Fine red sand- - - - - -1 7 Rock and caliche - - - - -1 No water sample collected. Nov. 4, 1936.

Well 407

Gentle slope, side of county road, SWESWE sec. 50, Blk. C, $11\frac{1}{2}$ miles southwest of Baileyboro.

Dark sandy soil	- 1	1
Light sandy soil	- 2	3
Sandy caliche	- 1	4
Caliche	- 6	10
Sandy caliche	- 9	19
Hard caliche	-	19
No water comple collected 1	Most A	1036

No water sample collected. Nov.4, 1936.

Well 416

Lake bed, side of county road, SE2SE2 Labor No water sample conjected. Dec. 8, 1936. 25, League 165, Irion C. S. L., $9\frac{1}{2}$ miles south of Baileyboro.

White caliche and rock- - - -No water sample collected. Nov. 5, 1936.

Well 417

Flat, side of county road, center of south side Labor 102, League 181, Floyd C. S. L. 95 miles south of Baileyboro. Hard surface soil- - - - - -5 White caliche and gravel = - -7 Red caliche clay and gravel. 12 19 White caliche and gravel - - -1

No water sample collected. Nov. 5, 1936.

Well 428

Side of draw, side of county road, SWINW sec. 22, League 107, Fisher C. S. L., $12\frac{1}{2}$ miles south of Baileyboro.

•	Thickness	Depth
	(feet)	(feet)
Dark soil Hard caliche rock	3	3
Hard caliche rock	 7	10
No water sample collected		

Well 434

1	Gentle slope, side of count road,	DW≟
-	Labor 110, League 182, Floyd C. S.	$L., 10\frac{1}{2}$
	miles southeast of Baileyboro.	
	Dark surface soil 3	3
1	Light surface soil 1	4
	Caliche 5	9
	Light clay 1	10
i	Fine white sand 5	15
	Caliche and clay 3	18
1	Clay and caliche 12	30
İ	Clay, caliche and sand 3	33
į	Sand, clay and gravel 3	36
1	Limy sand 4	40
i	Fine light sand 10	50
-	Coarse yellow sand and quartz	
•	gravel and boulders 3	53
	Rock	53
-	Struck water at 50 feet.	

Water level, 49. 2 feet below top of ground, 24 hours after hole completed. No water sample collected. Dec. 14, 1936.

Well 438

Side of draw, NW-NW- sec. 2, League 108, Fisher C. S. L., $12\frac{1}{2}$ miles southeast of Baileyboro.

Dark soil	7	7
Fine red sandy clay	1	8
Brown soil and caliche gravel	8	16
Soil and blue clay	4	20
Light clay, caliche and rock	2	22
Hard rock		! 22

Well 440

Bed of draw, SELNWI sec. 2, League 108, Fisher C. S. L., 13 miles southeast of

.baileyboro.		
Dark brown soil	15	15
Light weathered clay and		
caliche	2	17
Blue clay and soil	2	19
Black soil	1	20
No water sample collected. Dec	. 8.	1936.

(Analyzed at The University of Texas under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry, by J. E. Stullken, C. R. Stewart, D. F. Riddell, and Alfred J. Kelly, Chemists, and J. A. Harmaza, Martin Wieland and Jack Ramsey, Assistant Chemists. Results are in parts per million. Well numbers correspond to numbers

in table of well records.)

7.17 60	ante of Merr Leco			and the state of t							
		Depth		Total		Magnes-	,	,			Total
Well	Owner	of	Date	dissolved	Calcium	ium	Potassium	bonate	Sulphate	Chloride	hardness
No.		well	of	solids	(Ca)	(Mg)	(Na ≠ K)	(HCO ₃)	(SO ₄)	(C1)	as CaCO ₂
		(feet)	collection ((calculated)			(calculated)		_		(calculated)
1	B.E. Chaney	126	Oct. 8,1936	391	57	48	15	226	106	54	339
3	Cordell-Eswall	72	do.	530	80	53	30	226	170	86	417
4	Mas. Annie Myer	84	do.	41.8	63	48	17	220	122	60	354
5	Tom Radney	92	đo.	370	49	45	21	220	87	60	308
10	115crt Ramm	44	do.	379	***	-	-	232	87	42	***
11	Tom Smith	68	Oct.10,1936	374	59	38	23	244	98	36	303
12	do.	40	do.	430		~-	-	183	134	58	-
15	E.K. Warren Ranc		do.	412	46	50	28	201	137	52	321 ·
16	do.	44	do.	459	April 1			256	118	52	
32	W.P.A. test well	17	Jan.15,1937	600	S	-	***	293	170	76	•••
34	Progress School	76	Oct.27,1936	335	5 1	38	18	214	71	52	283
39	W.F.A. test well	12	Jan.18,1937	565	-		444	207	197	74	-
40	do.	24	Jan.16,1937	817		-	100	366	144	200	***
41	E.R. Mathers	37	Oct.25,1936	612	47	70	71	232	190	120	403
54	W.R. Wilson	55	Oct.27,1936	315	43	38	23	244	45	46	263
56	P.L. Hobbs	76	Sept.24,1936	3 292	36	34	27	244	45	30	232
57	Mrs Barfield	60	do.	395	56	43	29	256	77	64	316
59	W,P,A. test well	25	Nov.18,1936	400	-		-	207	118	40	-
61	do.	32	Dec.29,1936	489		-		360	71	60	
65	J.L. Wallace	90	Feb. 4,1936	659	50	62	106	317	137	146	378
67	I.W. Harden	49	Sept.23,1936	389	-			268	73	42	-
7 2	T.P.A. test well	35	Dec.23,1936	888		~		305	213	215	-
88	TO .	11	Nov.10,1936	2,801	-	-	-	708	1,181	350	-
88	R.W. Traon	50	Feb. 4,1936	771	60	76	117	433	172	130	464
90	J.T. Gilbreth	80	do.	357	27	13	80	280	55	42	122
102	D.A. Head	67	Nov. 7,1936	353	-		-	252	59	38	-
103	W.M. Wilterding	64	Sept.30,1936	330		-	-	244	48	40	ře-a
105	H.M. Gable	94	Jan.10,1936				-	210	24	220	194
108	T. T. Mounce	83	Jan.18,1936	471	63	54	33	287	106	74	378
111	B.l. Mathieson		Jan.10,1936	337	56	31	28	258	50	43	268
114	A.J. Watson	54	do.	407	92	32	37	252	58	52	363
	and a superior and the superior of the superior and the superior of the superi										

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

Results are in parts per million.

		Depth	1	Results are Total	in part		Sodium and	Bicar-		T T	Total
ד ר ביאו	Owner	of	Date	dissolved	Calcium	1				Chloride	hardness
Well	Owner	well	of	solids	(Ca)	(Mg)		(HCO3)		(C1)	as CaCO3
No.		(feet)	L i			121201	(calculated))	4'	, -,	(calculated)
116	C.B. Huggins	45	Oct. 7,1936	296	***	_	***	275	28	20	***
117	H.L. Dempster	53	Jan. 3,1936		-	***	-	210	21	330	194
120	I.F. Wilman	67	Sept.30,1936	3 287	36	40	19	293	28	20	255
124	S.D. Beller	60	Sept.28,193	397	43	38	52	275	81	4 8	263
126	I.W. Harden	40	Feb. 4, 1936	§ 473	43	53	58	305	98	69	322
127	C.A. Reeves	44	do.	476	33	50	90	463	<u>a</u> /	72	286
140	L.L. Lowry	40	Sept.28,1936	3 449		-		305	85	50	-
143	C.H. Whitehead	99	do.	361	40	43	41	342	32	37	276
145	E.K. Warren	23	Oct.16,1936	311	-	-	-	305	28	14	
148	W.P.A. test well	21	Nov. 9,1936	440	53	31	70	323	87	40	259
149	d∩.	17	₫ი.	526	~		***	378	110	38	_
151	Janes Estate	76	Nov.16,1936	274	43	14	43	232	47	13	164
152	do.	62	do.	308	-	-	-	305	80	19	••
153	Mrs. Mamie Smith	59	Nov.13,1936	383	35	39	63	397	31	20	249
156	F.E. Miller	86	Nov.19,1936	543	69	55	50	275	126	108	399
157	Halsell Cattle C		Dec. 3,1936	382	76	14	55	366	35	22	249
158	- Wairen	78	Nov.16,1936	298	-	-		268	28	25	_
168	W.P.A. test well	10	Jan.11,1937	495	**	-	-	354	126	17	P
170	do.	23	do.	295		-		336	<u>a/</u>	13	••
182	do.	35	Jan. 4,1937	1,802	-		-	262	866	230	
187	do.	35	Dec.29,1937	4,280				482	1,771	880	
201	Halsell Cattle C						_	140	<u>a</u> /	15	
205	!.A. Mathis	91	Oct.19,1936	568	72	65	7	299	205	72	445
207	- Whittington	142	do.	524	36	42	86	159	220	62	261
211	A.A. Kuchn Ranch		Oct.15,1936	217	62	12	8	- 232	<u>a</u> /	21	202
212	Halsell Cattle C		do.	151	_	-		122	24	11	
217	E.K. Warren	20	Sept.24,1936		235	295	472		1,657	555	1,802
224	do.	. 23	Sept.25,1936		101	84	384	451	770	185	597
226	A.A. Kuehn Ranch	53	Oct.15,1936	452	_	-	_	281	110	42	_
227	Paul Higginbotha		do.	2,034	285	154	166	201	905	425	1,345
228	Hale Co. S. L.	37	Oct.20,1936	575	31	54	116	458	95	54	298
233	W.P.A. test well	12			1,640	9,600	6 6 ; 800	281 3		05,850	43,603
234	V.V.N. Ranch	25	Dec.10,1936		**	-	**	305	811	405	
235	A.A. Kuehn Ranch		Oct.15,1936	304	-	-	-	256	39	25	-
	a/ Sulphate less	than	10 parts per	million.*8	ee page 5	2 for a	iditional te	st well	water an	alyses.	

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

Results are in parts per million.

		Donth	.;	Total				D: 0	 		. m
TIT * -		Depth					Sodium and		0-2-3		Total
Well	i t	of	Date	dissolved	Calcium				Sulphate		
No.		well	of	sclids	(Ca)	(Mg)		(HCO ₃)	(SO ₄)	(C1)	as CaCO3
		(feet)				1	(calculated)		<u> </u>		(calculated)
236	V.V.N. Ranch	72	Dec.10,1936	496	9 8	21	55	342	118	36	333
238	do.	60	Oct. 9,1936	1,114	***	-	\$400	220	433	205	***
240	do.	43	Dec.10,1936	404		**	**	311	7 9	24	
241	do.		do.	347	41	18	58	171	118	28	176
301	do.	91	Oct.21,1936	898	45	62	182	293	357	108	368
302	do	240	Nov. 3,1936	148				165	<u>a/</u>	8	
304	do.	91	Mov.20,1936	1,345	24	19	447	256	354	375	137
305	W.P.A. test well	28	do.	40 2				26 8	31	88	_
308	W.M. Bell Estate		Oct.20,1936	926	129	45	131	250	308	190	508
310	V.B. Mays	109	do.	1,058		4	394	464	312	120	18
312	H.E. Mussen	107	Nov.20,1936	1,668	208	104	231	207	433	590	949
313	do.	650	do.	7,752	11	14	2,920	189	964	3,750	84
314	Hale Co. S. L.	63	do.	1,085	107	62	181	177	383	265	523
316	7.P.A. test well	15	do.	6,081		-	_	177	2,118	1,880	-
317	E.W. Miller	13	Jan. 6,1937	373	100	30	35	299	126	52	373
321	G.W. Turpin	86	Oct.19,1936	7 88	77	39	137	153	328	132	354
322	H.G. Harvey	104	Feb.22,1937	476	56	40	67	232	55	144	305
323	J.E. Hall	139	Dec. 3,1936	507	67	38	68	201	71	164	323
324	M.P. Younger	118	Oct.14,1936	782	160	57	34	256	197	20 8	635
329	A.L. Davis	141	Oct.13,1936	488	8 7	25	55	287	134	46	320
331	Rochester Hatawa	y 136	Dec. 3,1936	729	144	40	45	214	295	100	525
333	R.V. Boren	137	Oct.13,1936	624	84	34	84	171	228	110	351
334	Claude Gage	160	do.	496	75	38	51	256	126	80	343
336	- Ralls	149	Nov. 6,1936	622	114	36	53	195	185	138	432
338	Jeff G. Berry	203	do.	501	102	27	47	256	59	140	367
341	E.E. Harper	125	Jan. 6,1937	503	38	27	114	244	94	110	207
342	J.R. Wilson	177	do.	363	45	24	59	268	71	32	210
343	Judge J.M. Gay	280	Dec. 9,1936	1,592	8	4	592	476	354	400	38
344	W.D. Black	230	Nov.11,1936	3,553	53	18	1,232	415	886	1,160	206
345	Paul Bros.	103	Dec. 9,1936	1,138	120	104	124	226	394	285	729
346	C. Robison	152	do.	785	40	60	160	268	213	180	347
347	Paul Brothers	69	Nov.24,1936	1,216	74	118	180	299	457	240	668
348	W.P.A. test well	46	Dec. 9,1936	10,440	**	-	-	220	1,673	5,050	
349	do.	28	Dec. 3,1936	54,680	•	-				L7.000	
	a/ Sulphate less										
			*	· •							

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

Results are in parts per million.

				Results ar	e in par						
		Depth		Total		Magnes-		1			Total
Well	Owner	of	Date	dissolved	Calcium				Sulphate	Chloride	hardness
No.		well	of	solids	(Ca)	(Mg)	$(Na \neq K)$	(HCO ₃)	(SO ₄)	(C1)	as CaCO,
	10	feet)	collection	(calculated)			(calculated)) 3			(calculated)
353	W.P.A. test well	81	Nov.24,1936	69,384			***	207	13,697	31,850	-
354	do.	16	Dec.11,1936	29,425			***	488	12,949	6,740	-
358	V.C. Bass	154	Dec. 2,1936	2,101	29	18	712	354	653	515	146
359	Loyd Davenport	80	do.	635	65	61	82	287	126	160	413
360	G.L. Blackshear	29	Jan. 6,1937	2,738	87	183	603	464	1,102	535	973
361	W.P.A. test well	33	Nov.19,1936	28,668	804	2,415	55260	262	13,950	6,110	1,194
367	<u></u>	Spring			458	1,500	3,600	439	7,667	4,830	7,304
369	J.P. Upton	25	Dec. 2,1936		-	**	-	250	2,598	2,310	No.
370	B.J. Robins	80	Nov.24,1936		68	50	228	317	276	230	376
371	W.P.A. test well	13	Dec. 2,1936	239				1 59	39	34	-
373	U.S. Government		Nov.24,1936	619	38	53	126	500	122	34	312
	S	oring									
376	I.C. Enochs	-	Nov.19,1936	4,541	87	55	1,460	293	1,535	1,260	444
377	do.	76	do.	436	28	36	80	207	126	64	217
378	J.H. McCarty Est.	160	do.	5,256	201	115	1,540	311	1,397	1,850	976
380	G.F. Shaver	89	Oct.28,1936		53	45	38	250	126	46	318
381	L.E. Smith	142	do.	626	6	9	227	390	124	68	52
382	John L. Sears	59	do.	2,304	92	73	587	311	1,144	255	530
386	E.X. Erickson	111	Oct.29,1936	423	53	29	61	220	110	62	250
387	D.E. Glousey	206	Oct.28,1936	306	•••	**	-	268	34	24	-
388	F.R. Kopplin	192	do.	321	34	28	48	244	59	32	203
389	F.L. Stegal	140	Oct.30,1936		51	26	53	214	114	40	236
391	Temple Trust Co.	140	do.	275	39	26	32	281	28	12	206
393	S.P. Phipps	158	Oct.29,1936	295	60	27	12	238	51	28	262
395	C.W. Wiłliams	256	Nov. 3,1936	1,984	42	20	634	250	765	400	187
396	E.X. Erickson	102	Oct.30,1936	335	50	39	22	275	53	36	284
397	H.H. Gaddy	176	do.	340	39	25	54	226	67	44	200
398	McCelvey Loan &	146	Nov. 4,1936	32 1	3 8	28	43	238	61	34	213
	Inv. Co.										
399	W.P. Goodrum	142	do.	428	57	34	48	201	130	60	281
400	McCelvey Loan and	1 93	do.	530	36	42	98	256	158	70	261
	Inv. Co.										
401	do.	86	do.	652	80	42	72	128	367	28	371
405	do.	125	do.	459	84	27	39	201	146	64	322
406	Frank Daricek	95	Nov. 5,1936	425	62	29	49	201	128	58	273

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

				Results a	·			······································			
		Depth		Total	: :		- Sodium and	3		Ì	Total
Well	Owner	of	Date	dissolved	Calcium		Potassium		Sulphate	Chloride	hardness
No.		well	of	solids	(Ca)	(Mg)	$(Na \neq K)$	(HCO ₃)	(SO ₄)	(C1)	as CaCOg
		(feet)	collection	(calculated)			(calculated				(calculated)
408	E. Schmocker	107	Nov. 4,1936	354	44	26	67	244	67	30	167
409	W.A. Tisdale	95	do.	575	84	56	39	317	200	40	440
410	J.D. Laney	110	Nov. 5,1936	371	46	30	48	232	93	40	238
411	J.C. Mitchell	7 2	do.	370	55	39	29	293	63	40	299
412	A.E. Robinson	109	do.	363	48	29	44	226	95	36	238
413	J.Y. Roberts	102	do.	371	56	25	47	232	91	38	240
414	Woolsey & Davis	103	Dec. 8,1936	437	54	28	64	226	126	54	253
415	Maple Wilson	107	Nov. 5,1936	372	44	29	56	256	79	38	228
418	Watson School	66	Nov.11,1936	707	51	54	119	183	273	120	348
419	I.C. Enochs	61	Dec.11,1936	397	51	48	30	323	79	30	324
420	do.	99	do.	1,618	45	18	516	299	527	365	186
421	Mrs. J.T. Roy	109	do.	580	51	46	91	250	1 81	88	319
424	C.R. Woolsey, et	al. 1	33 Dec.8,1936	429	52	31	61	262	1 18	3 8	259
427	I.C. Enochs	109	Jan. 5,1937	424	33	32	84	305	79	46	215
429	H.L. Messamore	88	Dec. 7,1936	392	54	27	56	305	79	26	247
431	K.C. Moser	91	Dec. 8,1936	522	54	43	74	268	157	62	311
433	I.C. Enochs I.	- 78	Dec. 7,1936	1,930	293	125	168	177	827	430	1,247
435	I.C. Enochs	117	Dec.11,1936	1,429	44	21	448	311	433	330	197
436	W.B. Newsome		do.	350	**		•	293	47	28	-
437	I.S. Newton	104	Dec. 4,1936	1,649	122	148	249	226	464	555	911
439	F.C. Snitker	105	Dec. 7,1936	391	47	32	55	293	79	34	250
442	Jim Claunch	131	do.	660	84	55	72	244	197	132	435
443	N.E. Hallford	73	do.	432	64	31	56	342	79	34	289
444	Newsome Land Co.	51	do.	386	3 8	30	66	287	79	32	218
445	C.R. Brown	108	Dec. 4,1936	251	42	36	6	281	16	13	252
446	S.H. Clevenger	84	Dec. 9,1936	597	40	49	105	256	197	80	300
447	Mrs. E. Herring	89	Feb. 7,1936	650	123	38	52	256	197	114	463
448	J.B. Featherston	e 195	do.	2,606	20	12	922	323	728	7 65	97
449	Hulen Clausen	76	₫o.	300	60	30	12	262	3 9	30	273

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

				Results ar	e in pare	's ber in	1111011				
+		Depth		Total	•	Magnes-	Sodium and	Bicar-	[Total
Well	Owner	of	Date	dissolved	Calcium	•			Sulphate		hardness
No.		well	of	solids	(Ca)	(Mg)	$(Na \neq K)$	(HCO ₃)	(SO ₄)	(Cl)	las CaCO3
		(feet)	collection	calculated)			(calculated)		ļ		(calculated)
161	W.P.A. test well	17	Feb.13,1936	656	87	54	70	293	179	120	440
162	do.	14	do.	393	53	20	63	275	108	12	217
163	do.	17	do.	294	22	46	15	342	24	16	246
173	do.	15	₫ċ.	381	59	30	46	372	44	16	274
174	do.	15	do.	365	43	56	25	464		9	338
175	do.	1 5	do.	253	50	11	32	233	32	12	171
177	do.	15	do.	337	55	28	40	378	10	15	254
178	do.	10	do.	297	67	28	11	342		20	284
179	do.	11.5	Feb. 10,193	36 819	25	69	119	463	189	126	445
180	do.	18	do.	830	62	77	134	421	199	148	470
181	do.	8.5	do.	642	44	71	86	280	185	116	400
190	do.	10.5	Feb. 1,1936	286	71	16	22	324	**	1 5	286
191	do.	13.5	do.	285	64	28	11	324	-440	20	285
192	do.	1.3	do.	377	63	25	38	312	58	17	262
193	do.	16	Feb. 7,1936	257	24	21	57	294	_	14	155
194	do.	10	do.	252	56	33	2	312		15	276
196	đó:	22	Feb. 2,1936	262	54	9	15	336	-	16	270
197	do.	15	Feb. 3,1936	317	46	28	25	324	40	16	280

MAP OF BAILEY COUNTY, TEXAS SHOWING LOCATIONS OF WATER WELLS LISTED

- EXPLANATION -

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

- O WELL WITH HAND PUMP, BUCKET OR
- WELL WITH WINDMILL OR SMALL POWER PUMP
- WELL WITH PUMPING PLANT-5 HORSE POWER OR LARGER
- WELL DRILLED TO TEST FOR OIL OR GAS
- · FLOWING WELL
- ♦ UNUSED WELL
 - TEST WELL DRILLED BY W.PA. LABOR
- SESCARPMENT
- SINF

FIELD WORK BY
W. L. BROADHURST
PROJECT SUPERINTENDENT
W.RA. PROJECT 2070

BASE COMPILED FROM LAND OWNERSHIP MAP AND FIELD NOTES

