

TEXAS BOARD OF WATER ENGINEERS

**C. S. Clark, Chairman
A. H. Dunlap, Member
John W. Pritchett, Member**



JASPER AND NEWTON COUNTIES, TEXAS

**Records of wells, drillers' logs, water analyses,
and map showing locations of wells**

**THE UNIVERSITY
OF TEXAS**

JUN -- 1952

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DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY**

DECEMBER 1942

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JASPER AND NEWTON COUNTIES, TEXAS

Introduction

By

G. H. Cromack

This publication contains data on wells in Jasper and Newton Counties as follows:

Jasper County: well records, 161; drillers' logs, 22; water well analyses, 159.

Newton County: well records, 121; drillers' logs, 7; water well analyses, 100.

It also includes a map, showing the location of the wells listed in both counties, each well being given a number on the map corresponding to the number assigned to it in the records. The field data were obtained by the writer in April and May 1942, in connection with a state-wide program of ground-water investigations in Texas conducted by the State Board of Water Engineers in cooperation with the United States Department of the Interior, Geological Survey.

The water analyses were made by L. W. Hastings, Assistant Chemist of the Quality of Water Division of the Federal Geological Survey, and by chemists employed by the Works Projects Administration under the supervision of Mr. Hastings, and Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry of The University of Texas. The results of the analyses, which relate only to the mineral constituents in the water, and not to its sanitary character are tabulated in parts per million for Jasper County on pages 25 to 30 and for Newton County on pages 46 to 49. For the convenience of those who prefer a different form of expression the analyses of 25 samples from Jasper County, and 27 samples from Newton County are given in milligram equivalents per liter on pages 31 and 50 respectively.

The records serve as a guide to land owners, officials of industrial plants, well drillers and others who need information regarding wells, the depth to ground water in different parts of the county, and the quality and chemical character of water yielded by the wells.

A limited number of copies of this release are available for free distribution. They may be obtained by addressing a request to Mr. J. S. Clark, Chairman, Texas State Board of Water Engineers, 302 West 15th Street, Austin, Texas.

JASPER COUNTY, TEXAS

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

Records of wells in Jasper County, Texas

All wells are drilled unless otherwise stated in Remarks

Well	Distance from Jasper	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
1	23½ miles northwest	Irs. --- Smith	--	Old	19	36	3.0
2	25 miles northwest	U. S. Government	Lake Charles Naval Store Co.	1927	986	12	--
3	22 miles northwest	B. F. Boykin No. 2	Black Gold Petroleum Co.	1952	165	4	1.5
4	do.	do.	Midwest Co. of Texas	1910	1,096	9-7/8, 6"	--
5	15½ miles northwest	O. P. Pace	--	1930	22	6	3.5
6	15 miles northwest	H. E. Primrose	H. E. Primrose	1916	17	30	1.5
7	11½ miles northwest	J. M. Byerly	J. M. Byerly	1912	22	7	0
8	10 miles northwest	Sol Pace	Sol Pace	1938	17	30	3.0
9	12 miles northwest	I. S. Bean	Cleveland & East Texas Oil Co.	1908	1,400	7	--
10	12½ miles northwest	F. Moody	--	Old	17	30	2.5
11	13 miles northwest	Geo. B. Dean	--	1936	86	4	0
12	14 miles northwest	L. Mayes	--	1924	360 ^a	6	1.0
13	10½ miles northwest	Archie Hamilton	--	Old	19	30	2.5
14	8½ miles northwest	W. H. Hancock	--	Old	31	33	2.5
15	6 miles northwest	C. C. Woods	--	Old	40	30	3.0
16	do.	Shade Griffin	--	Old	43	30	2.5
17	5 miles northwest	A. A. DuBose	A. A. DuBose	1937	34	36	5.0
18	3½ miles northwest	Morgan and Lindsey	J. D. Adams	1935	1,366	8,4	0
19	3 miles northwest	First State Bank	--	Old	120	6	0
20	1 miles northwest	Bill Limbrick	Bill Limbrick	1935	19	30	2.5
21	2½ miles north	Ennis McClelland	Ennis McClelland	1939	22	36	3.0
22	2½ miles north	Texas Forest Service	--	1936	84	6	1.0
23	10½ miles north	J. L. Cooper	J. L. Cooper	1937	32	36	3.0

a/ Plus (+) indicates water level is above ground.

b/ Pump or lift: T, turbine; A, air lift; C, cylinder. Cf, centrifugal; R, rope and bucket.

Power: E, electric; G, gasoline engine; W, windmill; H, hand. Number indicates horsepower.

Chemical analyses of water from most of those wells are shown in a table of analyses on pages 27 to 31.

Water level Well below measuring point (ft.)	Date of measurement (¹⁹⁴²)	Method of lift <u>b/</u>	Use of water <u>c/</u>	Remarks
1	16.42	May 4, 1942	B,H	P,S
2	"	do.	Flows	D,Ind
				Estimated flow 2 gallons a minute.
3	"	do.	Flows	D,S
				Formerly supplied water for drilling oil tests. Estimated flow 5 gallons a minute.
4	"	--	--	Oil test. Electrical log in files of Texas State Board of Water Engineers shows sands at 230 to 270 feet and 840 to 860 feet.
5	12.86	May 5, 1942	B,H	D,S
				Bored well.
6	14.85	do.	B,H	D,S
				Dug well.
7	18	1942	C,H	D,S
				Bored well.
8	11.53	May 7, 1942	B,H	D,S
				Dug well.
9	"	May 22, 1942	--	S
				Oil test. Plugged and abandoned. Deussen No. 621e. Temperature 65° F. See log.
10	8.03	May 7, 1942	B,H	D,S
				Dug well.
11	10	1936	None	
				Seismograph test.
12	"	May 7, 1942	Flows	D,S
				Estimated flow 3 gallons a minute. Formerly supplied sawmill and carp.
13	10.20	do.	B,H	D,S
				Dug well.
14	26.68	do.	B,H	D,S
				Do.
15	36.03	do.	B,H	D,S
				Do.
16	40.62	do.	B,H	D,S
				Do.
17	26.72	do.	B,H	D
				Do.
18	48	1936	A,E, 1	D
				Casing: 6-inch and 4-inch. Cores from 1,040 to 1,055, 1,155 to 1,170 and 1,200 to 1,340 feet. Static water level reported as 14 feet below surface in sand at 480 to 514 feet.
19	100	1938	--	--
				Obstructed at 65 feet and abandoned. [feet.]
20	14.56	May 14, 1942	B,H	D,S
				Dug well.
21	16.92	do.	B,H	D,S
				Do.
22	75.50	do.	B,H	D
23	28.66	do.	B,H	D,S

c/ F, public supply; D, domestic; S, stock; Ind, industrial; PR, railroad; N, not used.

d/ Water level reported by owner or driller.

e/ Number under which well is listed in U. S. Geol. Survey Water-Supply Paper 535, Alexander Deussen, 1914.

Records of wells in Jasper County--Continued

Well	Distance from Jasper	Owner	Driller	Date com- plete- d	Depth (ft.)	Dis- tance of well from point of above ground (in.)	Measur- ing instru- ment used	Height of well (ft.)
24	13 miles north	Kirby Lumber Corp.	--	Old	24	36	3.5	
25	1 $\frac{1}{2}$ miles north	J. P. Short	J. P. Short	1912	24	36	3.0	
26	15 miles northeast	Gilmer Lumber Co.	Jake Giles	Old	1,320	8	--	
27	17 miles north	Kirby Lumber Corp.	--	1906	800	8	--	
28	12 miles northeast	J. Z. Ziegler	--	Old	17	36	3.0	
29	12 miles northeast	Mrs. S. P. Garlington	--	1932	30	36	--	
30	9.5 miles northeast	Roy Davis	--	1930	41	6	1.0	
31	7 miles northeast	Magnolia Pipe Line Co.	--	1926	520	6	.0	
32	9 miles northeast	J. E. Parker	--	Old	25	18	3.0	
33	4.5 miles northeast	Carrie Reese	--	1940	10	36	3.0	
34	3.5 miles northeast	Kirb Lumber Corp.	--	1918	360	4	--	
35	5 miles northeast	Beaver Bishop	--	1942	22	3	3.0	
36	7 miles northeast	E. R. Simmons	--	1917	10	36	2.0	
37	7.5 miles east	Dave Adams	--	1941	25	36	3.0	
38	6 miles east	Ellis Sidney	--	1941	46	36	3.0	
39	7.5 miles southeast	Price Powell	--	Old	26	34	2.5	
40	6 miles southeast	W. H. Fortney	--	1941	12	7	1.0	
41	4 miles east	B. G. Lindsey	Lynce-Texas Co.	1940	390	6	0	
42	3.5 miles northeast	Cliff Bishop	--	1930	27	24	2.0	
43	2.5 miles east	C. E. Perkins	J. E. Brown	1935	196	7	--	
44	In Jasper	City of Jasper	Lynce-Texas Co.	1930	561	10, 5,6	0	
45	1.5 miles southwest	J. E. Dodd	--	1934	43	36	3.0	
46	1.5 miles southwest	Mrs. Corine Yates	--	1935	17	36	2.7	
47	4 miles southwest	J. C. Yates	--	1922	25	36	2.0	
48	2.5 miles west	A. B. Jolly	--	1929	22	6	2.0	

Well	Water level below measuring point (ft.)	Date of measur- ment	Method of lift	Use of water	Remarks
24	21.21	May 14, 1942	C,E,B	D,S	Dug well.
25	15.58	do.	B,H	D,S	Do.
26	--	--	--	--	Formerly supplied sawmill. Caved and abandoned. Reported yield 30 gallons a minute. Deusson lo. 625 e. See log.
27	--	--	--	--	Formerly used to supply sawmill camp.
28	11.83	May 14, 1942	C,H	D,S	Dug well. Casing pulled and hole abandoned.
29	--	--	--	D,S	Do.
30	29.00	May 14, 1942	C,H	D	Bored well.
31	104.90	do.	A,-	D,S, Ind	Estimated yield 25 gallons a minute.
32	14.61	do.	C,H	D,S	Dug well.
33	8.76	do.	C,H	D,S	Do.
34	--	--	--	--	Formerly supplied sawmill and camp. Casing pulled and hole abandoned.
35	19.49	May 13, 1942	C,F	D,S	Dug well.
36	9.02	do.	C,H	D,S	Do.
37	25.99	do.	C,H	D,S	Do.
38	47.49	do.	C,H	D,S	Do.
39	17.19	do.	C,H	D,S	Do.
40	1.47	do.	C,H	D,S	Bored well.
41	✓ 67	Sept. 1940	T,E,-	D,RW	Reported yield 60 gallons a minute. See log.
42	23.17	May 15, 1942	E,H	D,S	Dug well.
43	✓ 20	1936	A,E, 2	D,S	Casing: 176 feet of 2 $\frac{1}{2}$ -inch. Screen from 176 to 196 feet.
44	✓ 70.0	Aug. 8, 1930	C,E, 25	PS	Casing: 177 feet of 10-inch; 263 feet of 2 $\frac{1}{2}$ - inch; then 6-inch to bottom. Screens from 405 to 445 and 534 to 557 feet. Supplies City of Jasper. Reported yield 411 gallons a minute with 55 feet of drawdown during pumping test. See log.
45	13.00	May 9, 1942	C,H	D,S	Dug well.
46	7.89	do.	B,H	D,S	Do.
47	21.51	May 8, 1942	B,H	D,S	Do.
48	15.17	May 6, 1942	B,H	D,S	Bored well.

Records of wells in Jasper County--Continued

Well	Distance from Jasper	Owner	Driller	Date com- ple- ted	Depth of well (ft.)	Diam- eter of well (in.)	Height of measuring point above ground (ft.)	
							point above ground (ft.)	
49.	5 miles west	Adam Byorly	C. L. Brown	1935	137	3	0	
50.	6 miles west	C. H. Bridges	Frank Balcar	1936	230	4	—	
51.	do.	J. J. Campbell	do.	1939	425	4	1.0	
52.	5 miles west	A. L. Mays	do.	1926	209	2	0	
53.	6 miles northwest	State Fish Hatchery	do.	1931	300	4	1.5	
54.	3 miles west	Robert Shelby	Seismograph Crew	1910	100	3	0	
55.	6 miles west	Ed Lynn	Frank Balcar	1923	338	6	0	
56.	7 miles west	Martin Dies	do.	1910	411	6	0	
57.	do.	do.	Layne-Texas Co.	1941	364	6	2.0	
58.	7 miles southwest	Hardy Durdin	--	1939	17	1	—	
59.	7 miles southwest	P. K. Perkins	Frank Balcar	1929	237	2	0	
60.	8 miles southwest	Smith Dairy	C. L. Brown	1935	125	2	0	
61.	do.	Jasper County Lumber Co.	--	Old	22	33	3.0	
62.	12 miles southwest	M. R. Smith	Seismograph Crew	1936	352	3	0.5	
63.	7 miles southwest	S. D. Jones	--	1927	33	24	3.0	
64.	9 miles southeast	George Thomas	Mr. Thomas	1920	20	33	3.0	
65.	7 miles south	Mrs. D. A. Olds	--	1926	23	36	3.5	
66.	5 miles southwest	Ivy McLemore	--	1912	13	21	3.5	
67.	5 miles southeast	Van D. Marshall	C. L. Brown	1940	331	2	0	
68.	3 miles south	C. E. Johnson	C. E. Johnson	1922	38	30	3.0	
69.	9 miles southeast	Stewart Ratcliff	--	Old	16	36	3.0	
70.	7 miles southeast	Alfred Southwell	--	1938	27	30	3.5	
71.	9½ miles southeast	Page Hoirs	--	1924	42	36	2.5	
Well	Distance from Kirbyville	Owner	Driller	Date com- ple- ted	Depth of well (ft.)	Diam- eter of well (in.)	Height of measuring point above ground (ft.)	
72.	10 miles north	T. C. Morgan	--	1932	71	27	3.5	

Well	Water level below measuring point (ft.)	Date of measuring ment	Method measure- ment	Use of lift water	Remarks		
					a/	b/	c/
49	d/ 65	---	A,E, 1	D,S,P	Supplies cotton gin, school and several families.		
50	--	---	A,G,-	D,S			
51	d/ 50	1942	A,G,-	D,S	See log.		
52	1/ 19	1928	C,G, 2	D,S			
53	+	Apr. 10, 1942	Flows	D,S	Estimated flow 5 gallons a minute. Temperature $68\frac{1}{2}$ F.		
54	+	May 6, 1942	Flows	D,S	Casing has sunk below surface.		
55	+	Apr. 10, 1941	Flows	D,S	Reported flow 110 gallons a minute when drilled. Equipped with hydraulic ram.		
56	d/ 17	1940	A,E, 3	D	Screen from 371 to 411 feet. Temperature $71\frac{1}{2}$ F.		
57	+	Sept. 17, 1940	Flows	S,7 T,E,3	Casing: 311 feet of 6-inch. Screen from 311 to 340 feet. Measured flow 62 gallons a minute when drilled. See log.		
58	--	---	C,E	D,S	Driven well.		
59	d/ 55	1929	A,G, 3	D,S	Screen from 217 to 237 feet.		
60	4	1938	A,G, 3	D,S	Screen from 105 to 125 feet. Supplies dairy.		
61	19.25	May 8, 1942	B,H	D,S	Dug well.		
62	+	do.	Flows	N	Estimated flow 40 gallons a minute.		
63	24.98	do.	B,H	D,S	Dug well.		
64	13.74	do.	B,H	D,S	Do.		
65	21.52	do.	B,H	D,S	Do.		
66	8.03	do.	B,H	D,S	Do.		
67	d/ 135	1942	C,E, 5	D,S	Screen from 371 to 381 feet. Water reported in coarse-grained sand.		
68	57.80	May 9, 1942	B,H	D,S	Dug well.		
69	13.62	May 18, 1942	B,H	D,S	Do.		
70	20.03	May 9, 1942	B,H	D,S	Do.		
71	34.60	May 12, 1942	B,K	D,S	Do.		
Water level							
Well	Below measuring point (ft.)	Date of measuring ment	Method measure- ment	Use of lift water	Remarks		
72	30.91	May 12, 1942	B,H	D,S	Dug well		

Records of wells in Jasper County--Continued

Well	Distance from Kirbyville	Owner	Driller	Date com- pled	Depth of well (ft.)	Diam- eter of well (in.)	Height of measuring point above ground (ft.)
73	7 miles north	Unknown	---	Old	39	36	3.0
74	8 miles northeast	Noah Davis	---	1940	32	36	3.0
75	10 miles northwest	Mrs. Walter Aarant	---	1941	39	36	2.5
76	10½ miles northwest	Monroe Arnold	---	1924	48	36	3.0
77	13 miles southwest	A. K. Bentley	---	1940	17	24	3.0
78	10½ miles northwest	Bryant Good	---	1902	23	36	2.5
79	10½ miles northwest	Liza Smith	---	1920	24	36	3.0
80	9 miles northwest	J. O. Becker	---	1912	41	48	3.0
81	7 miles northwest	A. J. Musselwhite	---	Old	20	24	5.0
82	do.	Robert Turner	---	Old	17	48	2.5
83	9½ miles northwest	Vernon Clark	---	1930	30	36	2.0
84	6 miles northwest	N. E. Smith	---	1928	63	36	0
85	6 miles northwest	J. M. Turner	---	1927	90	72	—
86	do.	E. Hamlett	---	1939	47	76	3.0
87	4 miles northwest	G. R. Warren	---	Old	36	36	3.0
88	4½ miles northwest	Virgil Fulliam	—	1937	29	36	3.0
89	5 miles west	M. V. Summers	—	1902	18	36	0
90	2½ miles northwest	Clifford Mullin	—	1926	35	34	2.5
91	In Kirbyville	Gulf, Colorado & Santa Fe R.R. Co.	A. C. Davant	1918	1,127	8	30.0
92	do.	City of Kirbyville	J. W. Jackson	1927	1,490	6	0
93	do.	Trout Creek Lumber Co.	Frank Balcar	1924	248	6	0
94	½ mile northeast	Magnolia Pipe Linc Co.	do.	1926	325	6	5.0
95	do.	do.	do.	1926	1,564	4	0
96	3 miles northwest	W. P. Van Pelt	John Adams	1938	150	2	0
97	5½ miles northeast	L. F. Ogden	—	Old	18	36	3.0

Well	Elevation Below measuring point (ft.)	Date of measure- ment	Method of lift	Use of water	Remarks	
					a/	b/
73	50.91	May 12, 1942	B,H	D,S	Dug well.	
74	28.35	May 11, 1942	B,H	D,S	Do.	
75	37.78	May 9, 1942	B,H	D,S	Do.	
76	24.19	do.	B,H	D,S	Do.	
77	5.50	do.	B,H	D,S	Do.	
78	16.93	do.	B,H	D,S	Do.	
79	17.94	May 11, 1942	B,H	D,S	Do.	
80	28.04	May 9, 1942	B,H	D,S	Do.	
81	13.69	May 11, 1942	B,H	D,S	Do.	
82	9.15	do.	C,E, 1/6	D,S	Do.	
83	6.42	May 9, 1942	B,H	N	Do.	
84	d/ 58	1942	C,H	D,S		
85	--	--	C,E, 1/4	D,S	Dug to 40 feet. Shallow water sealed off. Supplies dairy.	
86	8.63	May 11, 1942	B,H	D,S	Dug well.	
87	25.73	do.	B,H	D,S	Do.	
88	15.17	May 12, 1942	B,H	D,S	Do.	
89	d/ 15	1942	Cf,G,-	D,S	Do.	
90	12.62	May 16, 1942	B,H	D,S	Do.	
91	+	Apr. 10, 1942	Flows	RR	Casing: 1,246 feet of 8-inch; 101 feet of 3-inch. Screens from 1,186 to 1,226, 1,243 to 1,266 and 1,306 to 1,326 feet. Reported flow 100 gallons a minute into tank 30 feet above ground. See log.	
92	+	do.	Flows	P	Reported flow 175 above ground. See log. gallons a minute.	
93	d/ 20	Apr. 15, 1942	A	Ind	Screen from 428 to 448 feet. Supplies sawmili. Estimated yield 40 gallons a minute. Original depth 710 feet, plugged	
94	30.82	May 16, 1942	A	Ind	Sand reported from 300 to back to 418 feet. 340 feet. Cased to 325 feet.	
95	+	Apr. 15, 1942	Flows	D,S	Reported flow 30 gallons a minute into tank 30 feet above ground.	
96	d/ 35	1939	C,W	D,S	Screen from 138 to 150 feet.	
97	10.73	May 16, 1942	B,H	D,S	Dug well. Water sand reported at 60 foot in nearby seismograph test.	

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Records of wells in Jasper County--Continued

Well	Distance from Kirbyville	Owner	Driller	Date	Depth	Diam- eter of well	measur- ing point above well	height of ground (ft.)
93	7 miles west	Frank Cooper	--	Old	27	48		2.0
99	7½ miles west	Texas Forest Service	Civilian Conservation Corps	1938	12	6		1.8
100	8½ miles southwest	W. J. Wright	--	Old	51	24		3.0
101	5 miles southwest	do.	John Adams	1939	156	2		0
102	3 miles southwest	Jess Gilcrease	--	1934	17	36		2.7
103	2½ miles southwest	T. B. Stanford	--	1939	14	30		3.0
104	3 miles south	Call School	John Adams	1939	260	2		---
105	5½ miles south	J. S. Linscomb	Frank Balcar	1940	150	3		---
106	4 miles southwest	R. L. Miller	--	1937	20	42		2.0
107	7 miles southwest	Gibson Irby	--	1938	29	76		5.2
108	8½ miles southwest	Texas State Highway Dept.	Frank Balcar	1934	388	4		0
109	7 miles southwest	T. A. Horn	--	1927	23	50		1.5
110	9 miles southwest	M. G. Gregory	--	1939	15	48		3.0
111	do.	W. F. Withers	--	1902	28	56		3.0

Well	Distance from Buna	Owner	Driller	Date	Depth	Diam- eter of well	measur- ing point above well	height of ground (ft.)
112	8½ miles northwest	S. H. Toujan	Frank Balcar	1927	1,470	4,2		20
113	3 miles northwest	J. V. Withers	--	1920	39	56		6.0
114	6 miles northwest	A. P. Walters	--	1910	250	2		---
115	3½ miles northwest	Hardy Richardson	Izul Acheson	1940	97	2		---
116	5 miles northeast	W. S. Richard	--	1922	50	22		4.5
117	2½ miles north	W. R. Black	--	1934	24	30		3.0
118	2 miles north	Kirby Lumber Corp.	Frank Balcar	1936	280	9		0
119	2 miles north	do.	O. C. Adams	Old	761	5		0

Well	Water level		Method of lift b/	Use of water c/	Remarks
	Below measuring point (ft.) a/	Date of measurement			
98	17.36	May 16, 1942	B,H	D,S	Dug well.
99	39.71	do.	B,H	D	Bored well.
100	41.79	do.	B,H	D,S	Dug well.
101	d/12	1939	C,H	S	
102	7.26	May 16, 1942	B,H	D,S	Dug well.
103	10.03	May 18, 1942	C,E, $\frac{1}{4}$	D,S	Do.
104	--	--	C,E, $\frac{2}{3}$	P	
105	--	--	C,G, $1\frac{1}{2}$	D,S	
106	10.71	May 18, 1942	Cf,G, 3	D,S	Dug well.
107	28.39	do.	B,H	D,S	Do.
108	d/11	1934	C,W	N	Formerly used in construction of highway.
109	10.46	May 16, 1942	B,H	D,S	Dug well.
110	8.43	do.	B,H	D,S	Do.
111	8.80	do.	B,H	D,S	Do.

Well	Water level		Method of lift b/	Use of water c/	Remarks
	Below measuring point (ft.) a/	Date of measurement			
112	+	Apr. 10, 1942	Flows	D,S	Casing: 1,100 feet of 4-inch; 350 feet of $2\frac{1}{2}$ -inch. Screen from 1,450 to 1,470 feet. Estimated flow 35 gallons a minute into tank 20 feet above ground.
113	37.00	May 16, 1942	B,H	D,S	Dug well.
114	--	--	C,G, $1\frac{1}{2}$	D,S	Screen from 226 to 230 feet.
115	--	--	C,E, $1\frac{1}{4}$	D,S	
116	24.67	May 18, 1942	B,H	D,S	Dug well.
117	15.78	May 19, 1942	B,H	D,S	Do.
118	d/20	1936	A	Ind, P	Casing: 260 feet of 9-inch. Screen from 260 to 280 feet. This well and wells 119 and 120 supply 500,000 gallons a day for sawmill and town of Bessmay. See log.
119	d/45	1932	A	Ind, P	Deepened from 400 to 761 feet in 1932. Screen from 704 to 749 feet.

Records of wells in Jasper County--Continued

Well	Distance from Buna	Owner	Driller	Date com- pleted	Depth (ft.)	Dia- meter of well	measuring point above well	Height of ground (in.)	Height of measuring point (ft.)
120	2 miles north	Kirby Lumber Corp.	--	1902	1,100	3			--
121	1½ miles northwest	John A. Lewis	--	1928	30	21			--
122	3½ miles northwest	James E. Wallace	--	1939	25	1			--
123	7 miles west	T. McGalin	--	1919	34	1			2.0
124	5 miles west	L. V. Withers	--	1912	27	24			1.0
125	3 miles southwest	J. Reese	--	1942	32	1			--
126	4 miles southwest	Bill Lowe	--	014	--	1			--
127	2½ miles southwest	R. M. Franklin	--	1900	21	33			3.0
128	1½ miles southwest	Mike Rogers	--	1929	17	13			0.5
129	In buna	Buna Independent School District	Paul Fcheson	1939	232	3,2			--
130	7 miles east	B. A. Richardson	--	1915	17	36			0
131	2½ miles southeast	The Texas Pipe Line Co.	--	1912	400	6			--
132	3½ miles southeast	J. R. Spencer	--	1940	18	1			--
133	5 miles southeast	M. E. Fann	--	01d	22	33			3.0
134	3½ miles southeast	Oliver Pevito	J. B. Jordan	1911	185	2			0
135	6 miles southeast	Earl Baker	--	1938	53	6			0

Well	Distance from Buna	Owner	Driller	Date com- pleted	Depth (ft.)	Dia- meter of well	measuring point above well	Height of ground (in.)	Height of measuring point (ft.)
136	1½ miles northeast	L. E. Gailey	--	1928	25	1			--
137	1½ miles northeast	Houston Oil Co.	Frank Balcom	1933	226	6			0
138	1½ miles Padale	Kirby Lumber Corp.	--	1924	600	4			0
139	1½ miles southeast	Archie Moss	--	1939	17	36			2.2
140	1 miles southeast	J. M. Richardson	--	1941	18	1			--
141	2½ miles south	J. H. Newbold	--	1934	27	30			3.0
142	3½ miles southwest	City of Beaumont	Frank Balcom	1932	53	6			0

Water level				Remarks	
Well	flow	Date of	Method	Use	
	measuring	measure-	of	of	
	point	ment	lift	water	
	(ft.)	a/	b/	c/	
120	--	--	A	Ind., P	
121	--	--	C,H, I	D,S	Dug well.
122	--	--	C,H	D,S	Driven well.
123	18.12	May 19,	C,F 1942	D,S	Driven well. Screen from 3C to 3d feet.
124	18.59	do.	B,H	D,S	Dug well.
125	--	--	C,H	D,S	Driven well.
126	--	--	C,H	D,S	Bored well.
127	14.27	May 19,	C,H 1942	D,S	Dug well.
128	18.56	May 15,	C, 1942	D,S	Do.
129	--	--	C,L, 1	P	Casing: 160 feet of 3-inch; 31 feet of 2- inch. Screen from 254 to 262 feet.
130	10.75	May 19,	B,H 1942	D,S	Dug well.
131	--	--	None		Formerly supplied pump station and camp.
132	--	--	C,H	D,S	Driven well.
133	10.75	May 15,	C,E, 1942	D,S	Dug well.
134	14	1941	C,E	D,S	Sand reported from 176 to 135 feet.
135	14	1942	C,F	D,S	Screen from 49 to 63 feet.
Water level				Remarks	
Well	flow	Date of	Method	Use	
	measuring	measure-	of	of	
	point	ment	lift	water	
	(ft.)	a/	b/	c/	
Loc	--	--	C,H	D,S	Bored well.
136	17	Nov. 1941	F,G, 5	PS	Reported yield. 250 gallons a minute. Supplies about 50 families. See log.
137	17	1924	--	--	Reported flow 30 gallons a minute in 1924. Filled and abandoned in 1957.
138	5.98	May 15,	B,H 1942	D,S	Dug well.
139	--	--	C,H	D,S	Driven well.
140	C.42	May 6, 1942	B,H	D,S	Dug well.
141	2	1932	C,E, 3	D,S	See log.

Records of wells in Jasper County--Continued

Well	Distance from Evadale	Owner	Driller	Date	Depth com- plete- ted	Diam- eter of well	measuring point above well	Height of ground (ft.)
				1905	1,211	3	3.0	
110	4½ miles south	A. G. Marvor	L. B. Jensen	1905	1,211	3	3.0	
114	6 miles south	Miller-Vidor Lumber Co.	Wicks and Fletcher	1904	1,070	3	0	
115	4½ miles southeast	I. H. Mobley	do.	1903	1,084	3	0	
146	6½ miles southeast	A. E. Errington	Fred Hetzel	1939	75±	1	--	
147	3½ miles east	Magnolia Pipe Line Co.	---	---	90	6	1.6	
147	do.	do.	---	1926	680	5	0.4	
149	8½ miles southeast	Mixon Heirs	---	1942	71	1	--	
150	9½ miles southeast	O. K. Ratcliff	---	1939	65	3	--	
151	11½ miles southeast	D. Ward	---	1940	72	2	0	
152	12 miles southeast	Kirby Lumber Corp.	---	1911	388	8	0	
Well	Distance from Jasper	Owner	Driller	Date	Depth com- plete- ted	Diam- eter of well	measuring point above well	Height of ground (ft.)
				1907	523	9	--	
153	9 miles south	C. F. Smith	Lynn-Bowler Co.	1907	523	9	--	
154	7 miles east	C. T. Flentzey No. 1	Heimerich and Payne, Inc.	1950	5,360	--	--	
155	5 miles south	--- See	Scale et al.	1900±	1,171	--	--	
156	6 miles southwest	D. M. Thomas No. 1	Commodore Oil Co.	Old	3,802	--	--	
157	12 miles southwest	State of Texas No. 1	Adams	Old	2,330	--	--	
158	1½ miles northwest	McShane Est. No. 1	C. E. V. Lenz	1925	3,504	--	--	
159	2½ miles northwest	Kountze Bros. No. 3	East Texas Oil Co.	--	1,249	--	--	
160	2½ miles northwest	Bob Boykin No. 1	Great Lakes Oil Syndicate	1928	1,298	--	--	
161	12½ miles northwest	H. Ralph No. 1	Guffey Oil Co.	1905	2,277	10	--	

^a (+) indicates water level is above ground.

^b Pump or lift; I, turbine, A, air lift; C, cylinder; Cf, centrifugal; R, rope and bucket.

Power: E, electric; G, gasoline engine; W, windmill; H, hand. Number indicates horsepower.

Well	Water level		Method of lift b/	Use of water c/	Remarks
	Below measuring point (ft.)a/	Date of measure- ment			
143	+	Apr. 10, 1942	Flows	D,S	Estimated flow 50 gallons a minute. Deussen No. 622 e/. Temperature 80° F. See log.
144	+	do.	Flows	S	Estimated flow 40 gallons a minute. Deussen No. 623 e/. Temperature 81° F.
145	+	do.	Flows	D,S	Estimated flow 30 gallons a minute. Equipped with hydraulic ram. Deussen No. 624 e/. Temperature 78° F. See log.
146	--	--	A,G, $1\frac{1}{2}$	D,S	Supplies dairy.
147	5.06	May 15, 1942	None	N	Casing: 88 feet of 6-inch.
148	12.16	do.	A	D, Ind	Casing: 675 feet of 5-inch.
149	--	--	C,H	D,S	Bored well. Screen from 63 to 71 feet. Electrical log of seismograph test nearby shows sands from 275 to 375 feet and sands interbedded with shales or clays from 470
150	--	--	C,H	D,S	Bored well. Screen from 60 to 620 feet. to 65 feet.
151	d/14	1942	C,H	D,S	Screen from 67 to 72 feet.
152	d/ 6	1912	None	N	Formerly supplied sawmill and lumber camp. Casing obstructed near surface.

Well	Water level		Method of lift b/	Use of water c/	Remarks
	Below measuring point (ft.)a/	Date of measure- ment			
153	--	--	--	--	Screens from 405 to 446 and 513 to 521 feet. See log.
154	--	--	--	--	Oil test. Approximate location on map, well not visited. See log.
155	--	--	--	--	Oil test. Approximate location on map, well not visited. Deussen No. 629 e/. See
156	--	--	--	--	Oil test. Approximate location on map, well not visited. See log.
157	--	--	--	--	Do.
158	--	--	--	--	Do.
159	--	--	--	--	Oil test. Approximate location on map, well not visited. Deussen No. 635 e/. See
160	--	--	--	--	Oil test. Approximate location on map, well not visited. See log.
161	--	--	--	--	Oil test. Approximate location on map, well not visited. Deussen No. 637 e/. See log.

c/ P, public supply; D, domestic; S, stock; Ind, industrial; RR, railroad; N, not used.

d/ Water level reported by owner or driller.

e/ Number under which well is listed in U. S. Geol. Survey Water-Supply Paper 335, Alexander Deussen, 1914.

Table of drillers' logs of wells in Jasper County, Texas.

	Thickness (feet)	Depth (feet)
<u>Well 4</u>		
B. F. Boykin No. 2, 22 miles northwest of Jasper.		
Surface soil and white sand	16	16
Shale	98	112
gray sand	40	152
Rock	3	155
Blue shale	69	224
Fine-grained gray sand	45	239
Shale and sand	68	337
Shale	24	361
Shale and sandy shale	76	437
Blue shale	74	511
Sandy shale	17	528
Gray shale	83	611
Sand and shale	85	696
Rock	1	697
Shale	41	738
Sand, shale, layers of sand and shells	127	865
Rock	1	866
Hard shale	53	899
Sand, shale and shells	62	961
Shale, shells and rock	211	1172
Rock	3	1175
Sand, shell and rocks	5	1180
Shale and rock	72	1252
Sand	7	1259
Sand, shale and shells	329	1508
Hard shale	11	1599
Sand and shale	100	1690
Sand, shale and lignite	13	1712
Shale and sandy shale	14	1723
Rock and shale	3	1729
Sand & shale	70	1799
Rock	1	1800
Shale	42	1842
Sand and shale	32	1871
Rock	1	1875
Sandy shale	56	1911
Sandy shale and lignite	75	1936
Sand	10	1996

Well 9
(Deussen No. 631 3/4)

I. S. Deen, 12 miles northwest of Jasper.

Cataloula sandstone:

red clay	15	15
Fine white sand (waterbearing; fresh)	5	20
Self white limestone (cystum or chalk)	42	62

	Thickness (feet)	Depth (feet)
<u>Well 9--Continued</u>		
Green shale	3	65
Mixed streaks of sandstone and limestone	21	86
Shale	2	86
Hard sandstone	4	92
Soft sandstone	12	104
Greenish shale	24	128
White sand	3	131
Limestone	9	140
Green shale	4	144
Green shale with limestone interbedded	32	176
Tough blue clay	6	182
Limestone, thin bed (cased and baled, but could not lower water over 10 feet; water rose to 15 feet of surface; baled before casing was set).	10	192
Fine-grained rock (quartzitic sandstone; of great grinding power; could not penetrate with rotary)	3	195
Green shale	34	219
White sand (artesian flow and some gas; water brackish)	1	220
Green and blue shale with streaks of limestone	36	306
Fine gray sand	6	312
Blue clay	9	321
Blue shale	5	326
Shale and sand in streaks	9	335
Grey sand (bad odor)	10	345
Blue shale	3	348
Fine gray sand	12	360
Sand and shale	5	365
Limestone, soft	15	380
Blue clay and shale	9	389
White sand, fine-grained	26	415
Blue clay and shale	10	425
Limestone	10	435
Blue shale	15	450
Limestone	12	462
Fine white sand with good artesian flow, water brackish	11	473

(Continued on next page)

PROB. of drillers' logs of wells in Jasper County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well 9--Continued</u>					<u>Well 26--Continued</u>
Brown shale	10	202	Brown shale and gumbo	7	1182
Lignite, with sheets of sand	26	300	Rock	1	1183
Fine white sand	15	524	Coal (lignite)	4	1187
Soft sandstone	5	539	Brown shale and gumbo	6	1193
Detritous sandstones and Jackson formation:			Blue water sand	11	1223
Sand and soft shales, strong artesian flow at about 360 feet, water rose 30 feet above surface as casing was pulled	462	991	Brown shale and gumbo	13	1271
Soft rock	1	992	blue water sand	11	1282
Soil	1	993?	Coal (lignite)	5	1295
Jackson and Yegua			Rock	3	1298
Terra Haute:			Blue water sand	17	1385
Soft bluish shale, eroded considerably	407	1400	Brown shale and gumbo	5	1290
"soil, 1-inch casing at 365 feet; about 30 feet artesian flow of brackish water." J. S. Ben.			Blue water sand (strainer)	36	1380
a/ Turner under which log is listed in U. S. Geol. Survey Water-Supply Paper 335, Alexander Douessen, 1914.			Casing used, 1,077 feet of "soil" in 2 feet of "soil, strainer at 1,077 to 1,077 and 1,290 to 1,300 e."		
<u>Well 26</u>					<u>Well 41</u>
(Drillers No. 625 a/)					P. G. Lindsey, 4 miles east of Jasper.
Gilmer Lumber Co., 15½ miles northeast of Jasper.			Soil	3	3
Soil	1	4	Clay	9	42
Clay	11	18	Sand	3	50
Sand	2	20	Clay	11	111
Blue shale and shales	362	522	Sand	13	127
Rock	2	752	Clay and sandy clay	10	256
Blue shale and shales	76	440	Sand and small gravel	24	290
Rock	1	461	Sand and clay	10	530
Blue shale and shales	50	511	Sand and gravel	17	535
Rock	2	513	Clay	7	45
Blue shale and shales	52	565	Sand	37.5	70.5
Sand	8	573	Sand, gravel and clay streaks	30.5	159
Blue shale and shales	30	603	Sandy clay	4	134
Rock	1	604	Sand	31	105
Blue shale and shales	6	210	Clay	1	220
Rock	3	212	Sand	31	251
Blue shale and shales	272	225	Sand with clay	112.5	364.5
Clos. blue sand	40	925	Clay	2.5	375
Blue shale and shales	112	1037	Sand and gravel	18	391
Blue shale (strainer)	40	1077			
Gumbo and shale	10	1087			
Rock	2	1089			
Brown shale and gumbo	61	1120			
Rock	2	1125			

(Continued on next page)

Table of drillers' logs of wells in Jasper County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well 41--Continued</u>			<u>Well 91--Continued</u>		
Sand and lignite	12	405	Sand	20	505
Sand	49	452	Shale	20	525
Gumbo	8	460	Gumbo	23	555
Sand	14	474	Shale	13	571
Hard shale	42	516	Course red sand	37	608
Sand	65	581	Gumbo and shale	32	670
Rock	0.6	581.5	Gumbo	111	781
<u>Well 51</u>			Jumbo and shale	94	975
J. J. Campbell, 4½ miles west of Jasper.			Fleck	15	890
Unreported	208	208	Shale and boulders	95	945
Clay	16	224	Gumbo	62	1007
Shale	32	256	Rock	3	1009
Red or yellow clay	16	272	Gumbo	53	1065
Sandy shale	43	315	Rock	7	1072
Blue shale	19	334	Gumbo	110	1132
Clay	32	396	Sand and boulders	32	1214
Hard shale	10	406	Gumbo	25	1240
White sand	19	425	Sand	6	1248
<u>Well 57</u>			Cumbo and shale	50	1298
Martin Dies, 7½ miles west of Jasper.			Sand	19	1317
Sandy clay	5	5	Gumbo and shale	103	1120
Sand and gravel	50	55	Gumbo	7	1427
Clay	31	36			
Sandy clay	44	150			
Clay	22	152			
Sandy clay	20	172			
Gray sand	52	221			
Clay	88	312			
Gray sand	49	351			
Clay	3	364			
<u>Well 91</u>					
Gulf, Colorado Santa Fe R.R. Co., In Kirksville.					
Red clay	4	4			
White sand	24	33			
Shale and sand	18	46			
Yellow clay	33	81			
Gray sand	131	215			
Shale	33	248			
Sand	36	284			
Shale	12	296			
Shale and sand	28	324			
Clay	15	337			
Soft rock	22	359			
Gumbo	21	380			
Shale and boulders	62	442			
Gumbo and shale	43	435			
<u>Well 116</u>					
Kirby Lumber Corp., 2 miles north of Tuna.					
Red clay	13	18			
Yellow sand	5	21			
Red and gray clay	77	98			
Shale	52	150			
Sandy shale	20	170			
Clay	24	194			
Brown sand	57	251			
Rock	1	252			
Gravel	3	260			
Sand	20	280			
<u>Well 137</u>					
Houston Oil Co., 1½ miles northeast of Evadale.					
Yellow clay	30	50			
Sand	0	53			
Yellow sandy shale	10	52			
Clay	50	90			
Quicksand	2	94			
Blue gumbo	21	115			
Sandy shale	37	150			
Blue shale	35	205			
Dark-colored clay	27	210			
Sand and gravel	10	226			

Table of drillers' logs of wells in Jasper County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well 142</u>					
City of Beaumont, $6\frac{1}{2}$ miles southwest of Evadale.					
Unreported	70	70			
Clay	14	84			
Sandy shale	48	132			
Clay	31	163			
Blue sandy shale	69	232			
Packsand	28	260			
Shale	50	310			
Blue sand	17	327			
Sandy shale	78	405			
Shale and gumbo	75	480			
Sand and shale	30	510			
Gumbo	30	540			
Sand	16	556			
Shale	14	570			
Gumbo	50	620			
Shale	20	640			
Blue gumbo	5	645			
Sand	37	682			
Shale	53	735			
Yellow gumbo	57	792			
Sand	22	814			
<u>Well 143--Continued</u>					
Hard blue clay	67	1012			
Coarse white sand	19	1031			
Fine gravel	17	1048			
Coarse gravel (water bearing)	14	1062			
White sand	34	1096			
Blue clay	18	1114			
White sand (water bearing)	97	1211			
a/ Number under which log is listed in U.S. Geol. Survey Water-Supply Paper 335, Alexander Deussen, 1914.					
<u>Well 145</u>					
(Deussen No. 624 a/)					
T. H. Mabry, $4\frac{1}{2}$ miles southeast of Evadale.					
Fine sandy loam	2	2			
Yellow clay	4	.6			
Yellow sand	12	18			
Gray clay	9	27			
Lissie gravel and marine Miocene beds:					
White sand	23	50			
Yellow clay	33	83			
Fine blue sand	34	117			
Blue clay	35	152			
White sand	21	173			
Blue clay	61	234			
Fine blue sand	30	264			
Blue clay	31	295			
Fine blue sand	61	356			
Gray clay	70	426			
White sand	94	520			
Blue clay	63	583			
Fine blue sand	37	620			
Blue hard clay	11	631			
Coarse white sand	53	684			
Blue clay	13	697			
Fine blue sand	21	718			
Soft stone	38	756			
Hard blue clay	12	768			
Coarse white sand, loses water rapidly	31	799			
Hard blue clay	54	853			
Unable to tell the strata, drills like oil strata	15	868			
Hard blue clay	68	936			
Fine blue clay	13	949			
Hard blue clay	41	990			
White sand, water bearing	22	1012			
Blue and green clay	27	1039			
Hard blue clay		1039			
a/ Number under which log is listed in U. S. Geol. Survey Water-Supply Paper 335, Alexander Deussen, 1914.					

Table of drillers' logs of wells in Jasper County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well 153</u>					
C. F. Smith, 9½ miles south of Jasper.					
Soil	9	9			
Clay	51	60			
Sand	55	115			
Clay	34	149			
Gumbo	12	161			
Clay and boulders	32	193			
Clay	42	235			
Gumbo	15	250			
Gravel	27	277			
Blue clay	3	280			
White sand	52	333			
Gumbo	51	384			
Clay	21	405			
Fine-grained sand	21	426			
Coarse-grained sand	20	446			
Rock	8	454			
Gumbo	11	465			
Fine-grained sand	29	494			
Coarse-grained sand	13	507			
Gravel	3	510			
Sand	3	513			
Gumbo	10	523			
<u>Well 154, partial log</u>					
C. T. Flourney No. 1, 4¾ miles east of Jasper.					
Surface	60	60			
Clay	90	150			
Sand and gravel, water	70	220			
Reddish-brown and yellow clay	69	289			
Green shale	55	344			
Sand, water	75	419			
Blue and green shale	31	450			
Sand, water	10	460			
Green, yellow and blue shale	260	720			
Sand	13	733			
Gummy shale	47	780			
Sandy shale	25	805			
Shale	80	885			
Sand	75	950			
Gummy shale	3	953			
Green shale	75	1028			
Sand and shale streaks	52	1080			
Sticky shale	5	1085			
Gumbo	25	1110			
Shale and streaks of sand	100	1210			
Sand	30	1240			
Shale	5	1245			
Sand rock	7	1252			
<u>Well 154, partial log--Continued</u>					
Green shale and blue gumbo	196	1448			
Sand, water	11	1459			
Green and blue sandy shale	121	1580			
Greenish-gray sand, water	6	1586			
Shale, gumbo and sandy shale	84	1670			
Fine-grained gray sand	21	1691			
Hard sandy shale	34	1725			
Gray sand, water	10	1735			
Gray gumbo	13	1748			
Packsand	26	1774			
Coarse-grained white sand	127	1801			
Streaks of shale, sand and gumbo	97	1898			
Sand	14	1912			
Hard shale	13	1925			
Sand	10	1935			
Shale, streaks of sand and gumbo	29	1964			
Soft white sand	10	1974			
Salt and pepper sand	26	2000			
Coarse-grained sand	24	2024			
Sticky shale	9	2033			
Shale with streaks of sand and lignite	18	2051			
Fine-grained sand and sulphur	12	2063			
Shale and sand, water	6	2069			
Fine-grained grey sand	18	2087			
Blue shale and streaks of sand	19	2106			
Gumbo, hard shale, shells, lignite and streaks of sand with salt water	132	2258			
TOTAL DEPTH		3360			
<u>Well 155</u>					
(Deussen No. 629 a/)					
-- Seale No. 1, 3 miles south of Jasper.					
Sand	40	40			
Water sand	20	60			
Sand and sand rock	90	150			
Blue clay and sand; at 275 feet, artesian water					
and gas; at 250 feet, oil showing	260	410			
Lime rock	10	420			
Blue clay	100	520			
(Continued on next page)					

Table of drillers' logs of wells in Jasper County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well 155--Continued</u>			<u>Well 155--Continued</u>		
Lime	5	525	Fine gray sand, lime concretions, white quartz, black carbonaceous matter, magnetic iron oxide in abundance, oil showing good	LL	1128
Gumbo and sand	150	375	Sand rock, white quartz	LL	1170
Lime	6	381	Sand rock, gas and oil showing	LL	1180
Gumbo	23	701	Fine gray sand, carbonaceous particles, magnetic iron oxide	LL	1270
Sand, oil showing	25	727	Bluish-gray clay, very fine sand, black particles, magnetic iron, quartz	50	1320
Lime rock	5	730	Very hard blue shale	151	1171
Gumbo and shale	23	738	✓ Number under which loc. is listed in U. S. Geol. Survey Water-Supply Paper 335, Alexander Deussen, 1914.		
Dolomitic rock, pyrites, quartz, sand, oil showing	9	737	<u>Well 156, partial log</u>		
Dolomitic rock, pyrites, quartz, sand, yellow clay, oil showing	19	736	D. L. Thomas, 6 miles southwest of Jasper.	46	43
Quicksand, dolomitic rock, gumbo	22	308	Surface	46	43
Gumbo, silty, gravel, dolomitic rock, quicksand, iron pyrites, oil showing	21	832	Sand, artesian water at 85'	336	439
Dolomitic rock, quick- sand, yellow clay, limite (?), slight oil showing	21	353	Lime	14	455
Hard gray clay, calcareous concretions, lime rock, pyrites	77	950	Sand	55	508
Fine silt sand,			Gumbo	12	530
concretions, much fine pyrites, splendid oil showing	11	941	Sand	133	665
Shale, fine quartz sand, dolomitic rock, iron oxide, celeste	79	1020	Lime and gumbo	105	870
Fine white sand, pyrites, shale, large amount of lime	40	1060	Sand	10	880
Fine white sand, pyrites, shale, some lime rock	10	1070	Lime	10	920
Shale, variegated pebbles, chips of flint rock, lime, shell and, plenty of pyrites	3	1072	Fine sand	6	950
Extremely fine gray sand, shell fragments, very fine white quartz, black carbonaceous matter, some clay and limestone, oil showing, very good	23	1095	Gumbo	10	960
Fine gray sand, lime rock concretions, some white quartz, black carbonaceous particles, considerable iron oxide	21	1116	Sand	15	975
			Picksand	25	1000
			Lime and gumbo	143	1143
			Hard lime and sand	77	1180
			Gumbo	75	1215
			Sand	25	1240
			Lime and gumbo	25	1325
			Lime, artesian water	22	1347
			Sand	18	1365
			Gumbo and shale	60	1425
			Lime and sand	45	1470
			Sand	10	1480
			Sand and shale	35	1505
			Gumbo	35	1530

(Continued on next page)

Table of drillers' logs of wells in Jasper County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 156, partial log--Continued</u>		
Gumbo	15	1545
Sand, salt water	25	1570
TOTAL DEPTH		38.5

Well 157, partial log

State of Texas No. 1, 12 miles southwest of Jasper.

Surface sand	5	5
Clay	7	12
Gray sand, water	38	50
Yellow sand and gravel	10	30
Blue sand, water	60	120
Shale	15	135
Sand	190	325
Gumbo	35	360
Sand, water	50	410
Gumbo	60	470
Sand	30	500
Packed shale	35	535
Gumbo	30	515
Gumbo	65	678
Shale and boulders	22	700
Gumbo	40	740
Shale	60	800
Gumbo	50	830
Packed shale	23	973
Gumbo	27	900
Shale and boulders	40	940
Gumbo	30	970
Broken rock	3	973
Packed shale	27	1000
Hard limestone	4	1004
Shale and gumbo	166	1170
Rock	5	1175
Gumbo	65	1240
Gray water sand	60	1300
Gumbo and gypsum	193	1498
Java sand	20	1518
Tourmaline	32	1550
Packs and	50	1600
Sand, shale (flooded hot)	25	1625
TOTAL DEPTH		2330

Well 158, partial log

McShane Est. No. 1, 14½ miles northwest of Jasper.	
Surface sand and clay	60
Soft gumbo	130
Sand, water	10
Rock	2
Sand	38
Sand-shale	100
Sand rock, water	45

	Thickness (feet)	Depth (feet)
<u>Well 158, partial log--Continued</u>		
Gumbo	15	400
Pack sand	50	450
Shale and lime	101	551
Sand	18	569
Sandy shale	31	590
Gumbo, lime and shale	526	1110
Sand, water	12	1122
Gumbo, sandy shale and rock	112	1240
Sand	3	1246
Sandy shale, gumbo and lime shells	151	1697
Sand, shale, gumbo, broken	38	1785
Streaks of sand, rock, shale and gumbo	100	1385
Gumbo, rock and lime	130	2015
TOTAL DEPTH		3504

Well 159
(Deussen No. 335 a/)

Kountze Bros. No. 6, 24½ miles northwest of Jasper.	
Red clay and sand	65
Gray sand, artesian flow	20
Gray sand rock	30
Blue gumbo and shale	70
Blue gumbo	36
Green shale	12
Blue gumbo	35
Green shale	190
Green marl and boulders	45
Green marl	60
Dark blue sand	15
Dark gray sand	35
Dark gray shale	17
Green shale	30
Green shale and shell	73
Dark gray sand	10
Green marl	10
Green shale and hard streaks	55
Green marl with shell	45
Green marl and rock	133
Sand rock	2
Green marl	60
Dark brown shale	3
Green marl	31
Gray sand, artesian flow of salt water	12
Green shale	3

a/ Number under which log is listed in U. S. Geol. Survey Water-Supply Paper 335, Alexander Deussen, 1914.

Table of drillers' logs of wells in Jasper County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well 130</u>					<u>Well 131--Continued</u>
Bob Lewis No. 1, 28½ miles northwest of Jasper.			Sand	5	320
Clay	30	30	Gumbo	10	210
Sand, salt water	19	90	Sand	150	350
Stony shale	501	400	Gumbo and gravel	50	100
Sand	5	405	Shale	30	420
Blue silt	20	420	Sand and gravel	2	160
Shale and boulders	17	425	Gumbo	30	510
Gumbo	77	520	Shale	110	650
Flores No. 1, sulphur water	32	552	Sand, gravel and flowing water	150	300
Stony shale	156	688	Soapstone	50	850
Blue shale, sulphur water	37	725	Sand	50	910
Gumbo	514	1039	Gumbo	10	1000
Sand and shale	10	1070	Loose shale	150	1150
Shale	61	1140	Gumbo	100	1500
Sand and boulders	14	1151	Sand and gravel	50	1500
Gas, silt	136	1290	Gumbo, gravel and boulders	1.5	1715
Sand	8	1290	Rock	5	1720
<u>Well 131</u> <u>(Drillers' No. 337 a/)</u>					Gumbo
W. 1/4 sec. 1, 12½ miles northwest of Jasper.			Rock	40	1700
Clay	20	30	Gumbo	10	1770
Sand	25	15	Sand	2.5	2000
Gravel	15	30	Coarse gravel and shale	40	2040
Sand, flowing water	20	60	Soft rock and gravel	10	2100
Sediment	60	120	Hard gravel, sand and water	17	2277
Sand	30	160	a/ number under which log is listed in U. S. Geol. Survey Water-Supply Paper 345, Alexander Deussen, 1914.		
Rock	20	130			
Gumbo	20	200			

Partial analyses of water from wells in Jasper County, Texas

Analyzed at The University of Texas under the direction of W. W. Hastings, Chemist, U. S. Department of the Interior, Geological Survey, and Dr. F. P. Schuch, Director of the Bureau of Industrial Chemistry. Results are in parts per million. Well numbers correspond to numbers in table of well records.

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids	Cal- cium (Ca)	Magne- sium (Mg)	Sodium (Na + k) (calc.)	Bicar- bonate (HCO ₃)	Sul- fate (SO ₄)	Chlo- ride (Cl)	Fluor- ide (F)	Ni- trate (NO ₃)	Total hardness as CaCO ₃ (calc.)
1	Mrs. -- Smith	17	May 5, 1942	36	2.0	4.4	2.5	6	2	3.0	-	16	23
b/ 2	U.S. Government	986	do.	459	1.6	3.2	1.0	451	2	39	0.7	0	17
b/ 3	R. F. Rowkin No. 1	155	do.	375	1.6	1.7	1.8	134	2	156	-	0	11
5	J. P. Pace	22	do.	220	12	4.4	58	73	23	32	-	55	43
6	H. E. Primrose	17	do.	145	6.8	6.6	32	12	3	47	0.2	43	44
7	J. M. Byerly	22	do.	94	4.0	5.6	29	13	2	2	-	27	33
8	Sol Pace	17	May 7, 1942	43	8.4	2.7	3.9	18	3	5.0	-	11	32
9													
(621c/)	I. S. Bean	1,400	Apr. 11, 1942	5,454	140	24	2,057	531	12	3,063	-	-	-
10	F. Moody	17	May 7, 1942	211	0.3	11	52	6	7	93	-	33	62
b/ 12	L. Mays	360+	do.	158	0.4	1.2	64	140	4	18	0.1	1.0	5
13	Archie Hamilton	19	do.	77	2.0	10	7.1	6	3	19	-	33	46
14	J. H. Hancock	21	do.	191	4.8	12	41	18	2	62	-	60	63
15	C. C. Woods	40	do.	51	2.8	5.1	8.1	37	2	3.0	-	12	28
16	Shade Griffin	43	do.	28	4.0	1.2	3.9	12	2	4.5	-	6.0	15
17	A. A. DuBose	34	do.	72	3.4	2.7	16	49	2	5.0	-	16	27
b/ 18	Morgan and Lindsey	1,366	do.	30	4.4	2.7	3.0	18	7	3.5	0.4	0	22
20	Bill Limbrick	19	May 14, 1942	39	0.4	2.7	9.4	6	4	13	-	5.0	12
21	Funis McClelland	22	do.	24	4.0	1.5	2.1	12	2	4.0	-	4.0	16
b/ 22	Texas Forest Service	84	do.	133	34	3.9	14	159	3	0.5	-	0	102
23	J. L. Cooper	32	do.	20	1.6	0.2	6.0	12	2	3.5	-	1.0	5
24	Kirby Lumber Corp.	24	do.	121	14	7.5	16	37	2	29	-	34	65
25	J. P. Short	24	do.	38	3.5	0.2	28	12	6	30	-	14	10
(25c/)	Gilmer Lumber Co.	1,320	--	1,332	3.4	2.4	416	183	604	41	-	-	-

a/ Less than 3 parts per million.

b/ Analyses of water from selected wells are given in milligram equivalents per liter on page 31.

c/ Number under which analyses is listed in U. S. Geol. Survey Water-Supply Paper 335, Alexander Deussen, 1914.

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

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (Ca)	Cal- cium (^{Ca})	Magne- sium (^{Mg})	Sodium and Potassium (^{Na + K})	Bicar- bonate (^{HCO₃})	Sul- fate (^{SO₄})	Chlo- ride (^{Cl})	Fluor- ide (^F)	Ni- trate (^{NO₃})	Total hardness as CaCO_3 (calc.)	
				(^{mg})	(^{mg})	(^{mg})	(^{mg})	(^{mg})	(^{mg})	(^{mg})	(^{mg})	(^{mg})		
28	J. Z. Ziegler	17	May 14, 1942	171	20	5.	27	30	12	8	3	-	39	73
29	Mrs. S. P. Carlington	30	do.	242	27	12	30	12	8	73	-	75	113	
b/ 30	Roy Davis	41	do.	25	0.4	3.9	3.0	5	2	10	-	3.0	17	
32	J. E. Parker	25	do.	398	14	7.3	43	6	2	81	-	48	55	
33	Corrie Reese	10	do.	75	5.5	3.2	17	18	4	14	-	24	22	
35	Beaver Bishop	22	May 15, 1942	85	14	1.2	17	55	2	13	-	5.0	40	
36	E. R. Simmons	17	do.	144	4.4	2.7	44	18	2	58	-	24	22	
b/ 37	Dave Adams	25	do.	22	6/	1.5	6.2	12	3	3.5	-	2.0	6	
b/ 38	Ellis Sidney	46	do.	31	2.0	1.5	3.3	24	2	4.5	-	0.5	11	
39	Price Powell	25	do.	513	71	10	54	55	5	12	-	200	271	
40	W. H. Fortney	12	do.	53	0	1.5	18	13	7	14	-	3.0	6	
b/ 42	Cliff Bishop	27	do.	59	4.4	2.7	15	61	2	3.4	0.2	0	22	
b/ 43	C. E. Perkins	196	do.	51	5.6	0.2	15	49	2	4.0	-	0	15	
44	City of Jasper	531	Apr. 19, 1941	126	9.3	1.0	10	35	14	4.1	0.2	.0	27	
45	J. E. Dodd	43	May 9, 1942	19	2.4	1.2	2.1	0	5	5.5	-	3.0	11	
46	Mrs. Irene Yates	17	do.	192	24	2.7	34	12	3	7.4	-	35	72	
47	J. C. Yates	25	May 8, 1942	290	21	12	58	37	3	82	-	90	103	
48	A. B. Jolly	22	May 6, 1942	39	4.0	5.6	1.2	24	3	2.5	-	11	33	
49	Adam Ryerly	137	do.	10	1.2	1.9	1.8	6	3	4.5	0.2	0	11	
b/ 50	C. M. Bridges	230	do.	21	3.2	1.9	1.8	12	3	5.0	-	0	16	
b/ 51	J. W. Campbell	425	May 5, 1942	25	1.1	3.2	3.0	12	7	3.5	0.4	0	17	
52	A. L. Mays	200	May 6, 1942	22	1.6	3.2	2.1	12	3	6.0	-	0	17	
53	State Fish Hatchery	500	May 5, 1942	121	1.2	1.9	46	110	11	5.5	0.2	1.0	11	
54	Robert Shelby	100+	May 6, 1942	61	5.6	1.7	16	49	10	1.0	-	0	21	
55	F. Lynn	333	Apr. 10, 1941	157	4.5	.6	42	100	13	5.2	0	.0	14	
57	Martin Dies	34	Apr. 15, 1942	85	4.3	1.0	28	73	10	4.0	0.1	0	15	
58	Hardy Durdin	17	May 7, 1942	31	0.8	2.4	4	12	2	5.0	0.1	3.0	12	
59	P. F. Perkins	237	May 6, 1942	26	4.4	2.7	1.4	12	4	7.0	0.3	0	22	

a/ Less than 3 parts per million.

b/ Analyses of water from selected wells are given in milligram equivalents per liter on page 31.

c/ Number under which analyses is listed in U. S. Geol. Survey Water-Supply Paper 335, Alexander Deutscher, 1914.

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

Well	Owner	Depth of well (ft.)	Date of collection	Total diss solids	Sal- lved (Ca)	Magnes- ium (Mg)	Sodium and Potassium (Na + K)	Bicar- bonate (HCO ₃)	Sul- fate (SO ₄)	Chlo- ride (Cl)	Fluor- ide (F)	Ni- trate (NO ₃)	Total hardness as CaCO ₃ (calc.)
				28	1.6	0.2	9.0	13	4	4.0	-	0	5
50	Smith Dairy	125	Nov 5, 1942										
61	Jasper County Lumber Co.	22	May 8, 1942	36	a/	1.5	8.3	0	3	4.0	-	19	6
62	M. R. Smith	65+	do.	155	28	3.9	29	165	7	6.0	-	0	87
63	S. D. Jones	33	do.	176	23	3.6	33	79	3	28	-	46	72
64	Georgie Thomas	20	do.	168	3.6	5.1	43	6	3	54	-	55	34
55	Mrs. D. A. Yds	23	do.	32	0.0	1.5	3.0	6	2	12	-	4.5	21
66	Ivy McLemore	13	do.	503	115	29	6.9	49	3	166	-	1.5	48
b/ 57	Van D. Marshall	381	Apr. 15, 1942	32	26	1.7	9.9	73	7	6.5	0.4	0	56
58	J. F. Johnson	38	May 9, 1942	84	5.4	2.7	18	6	2	29	0.4	22	27
69	Stewart Ratcliff	16	May 13, 1942	102	12	2.7	16	12	11	18	0.2	35	42
70	Alfred Southwell	27	May 9, 1942	418	43	2.7	43	67	55	143	0.1	38	132
71	Page Heirs	42	May 12, 1942	131	10	1.5	36	73	3	17	-	27	31
72	T. C. Morgan	71	do.	48	2.4	3.9	7.3	6	2	15	-	16	22
73	Unknown	39	do.	114	24	2.7	14	85	3	12	-	16	72
74	Noah Davis	32	May 11, 1942	89	2.3	3.6	19	51	2	9.5	-	16	37
75	Mrs. Walter Karant	49	May 9, 1942	43	3.4	2.7	3.7	31	2	5.5	-	0.0	32
b/ 76	Monroe Arnold	48	do.	34	2.4	1.2	7.4	6	2	9.5	-	3.0	11
77	A. K. Bentley	17	do.	82	20	1.5	7.4	55	3	9.0	-	14	53
78	Bryant Good	23	do.	79	5.6	7.5	9.4	18	3	20	-	24	45
79	Liza Smith	24	May 11, 1942	30	0.4	3.9	3.5	6	2	5.5	-	12	17
80	J. O. Booker	41	May 9, 1942	68	4.4	3.9	12	6	2	18	0.2	24	27
81	A.J. Musselwhite	20	May 11, 1942	226	11	3.6	56	43	5	31	-	33	42
82	Robert Turner	17	do.	31	a/	2.4	8.3	12	2	10	-	2.5	10
83	Vernon Clark	30	May 9, 1942	97	3.2	4.9	21	24	2	14	-	40	28
84	W. F. Smith	63	May 11, 1942	24	5.2	1.9	1.2	13	2	4.0	-	1.0	21
b/ 85	J. H. Turner	90+	do.	23	a/	0.2	7.8	6	2	5.0	0.2	4.5	1
86	F. Hamlett	47	do.	245	5.2	6.3	73	18	2	100	-	50	39
87	G. P. Warren	36	do.	116	4.8	5.1	29	12	5	46	-	20	33
88	Virgil Pulliam	29	May 12, 1942	107	4.4	3.9	23	6	2	22	-	49	27
89	M. V. Summers	13	do.	49	0.4	2.7	13	6	4	17	-	9.0	12
90	Clifford Nullin	35	May 15, 1942	49	4.4	2.7	11	37	2	3.0	-	3.0	22

a/ Less than 3 parts per million.

b/ Analyses of water from selected wells are given in milligram equivalents per liter on page 31.

c/ Number under which analyses is listed in U. S. Geol. Survey Water-Supply Paper 335, Alexander Deussen, 1914.

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

Well	Owner	Perth f. well (ft.)	Date of collection	Total dissolved solids	Sodium and Chloride						Fluor- (F)	Ni- (NO ₂)	Total hardness (calc.)
					Cal- (Ca)	Magne- (Mg)	Sodium (Na)	Potassium (K)	Bicar- (Na + K) (CO ₃) (calc.)	Sal- (SO ₄)	Chlo- (Cl)	ride	
b/ 91	Gulf, Colorado and Santa Fe R. Co.	1,427	Apr. 10, 1942	141	19	1.0	38	146	7	2.5	0.1	0	51
93	Trout Creek Lumber Co.	448	Apr. 15, 1942	42	4.8	1.0	11	37	2	5.0	-	0	16
b/ 94	Magnolia Pipe Line Co.	325	do.	59	5.4	5.8	12	67	2	7.5	1.4	0	44
95	do.	1,554	do.	171	4.3	2.2	23	133	7	6.0	0.2	0	116
b/ 96	W.P. Van Pelt	150	May 15, 1942	56	1.1	0.2	20	43	2	7.0	0.1	0	5
97	L. F. Ogden	18	do.	148	3.4	3.9	37	12	1	51	-	38	37
98	Frank Cooper	27	do.	21	4.0	1.5	2.8	12	3	6.0	-	0.5	16
99	Texas Forest Service	42	do.	28	4.8	2.2	2.5	13	3	5.5	-	0.5	21
100	W. J. Wright	54	do.	263	18	1.3	51	31	2	32	-	32	98
101	do.	156	do.	75	2.4	1.2	26	55	3	14	-	1.5	11
102	Jess Gilcrease	17	do.	71	0.4	2.7	21	13	2	19	-	17	12
103	T. P. Stanford	14	May 12, 1942	137	16	2.7	30	79	2	20	-	27	52
104	Call School	260	May 19, 1942	77	8/	1.5	30	73	3	1.0	0.1	0	6
b/105	J.S. Linscomb	150	do.	22	4.0	1.5	2.1	12	2	6.0	0	0	18
106	R. L. Miller	20	May 18, 1942	54	4.4	2.7	11	12	2	17	0	11	22
107	Gibson Irby	29	do.	120	15	3.0	23	21	5	30	-	38	52
109	W. A. Horn	22	May 15, 1942	97	10	2.9	21	11	5	17	-	10	42
110	H. G. Gregory	15	do.	88	4.4	3.9	19	12	3	22	-	30	27
111	V. F. Withers	28	do.	453	25	10	120	49	3	174	0.2	96	136
112	S. J. Toujan	1,470	Apr. 10, 1942	283	2.3	1.0	117	305	7	4.0	1.0	0	11
113	J. V. Withers	39	May 16, 1942	436	25	15	112	42	15	121	-	174	124
b/114	A. P. Walters	230	do.	64	9.4	2.7	15	55	2	11	0.2	3.0	32
115	Hardy Richardson	92	do.	34	2.4	2.7	6.9	13	2	10	-	1.0	17
116	" S. Richard	30	May 18, 1942	156	14	2.7	41	55	7	40	-	34	47
117	J. R. Black	24	May 18, 1942	89	12	2.7	12	12	4	26	-	25	42
b/118	Kirby Lumber Corp.	280	Apr. 14, 1942	92	5.3	2.2	27	61	3	23	-	0	26
b/119	do.	761	do.	140	20	1.7	36	146	4	5.0	0.3	0	56

b/ Less than 3 part per million.

b/ Analyses of water from selected wells are given in milligram equivalents per liter on page 31.

Partial analyses of water from wells in Jasper County—Continued
Results are in parts per million

Well	owner	Depth of well (ft.)	Date of collection	Total dissolved solids (Ca)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Borate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness (CaCO ₃ calc.)
120	Firby Lumber Corp.	1,100 ^a	Apr. 14, 1942	142	17	2.2	39	145	4	7.5	0.1	0	51	
121	John A. Lewis	37	May 19, 1942	127	4.0	2.7	33	12	10	25	—	45	21	
122	James E. Wallace	25 ^b	do.	40	2.3	2.4	7.4	18	2	5.0	—	11	17	
123	T. McGalin	34	do.	281	20	17	42	12	5	71	—	120	121	
124	L. V. Pitters	67	do.	2,213	173	105	41 ^c	171	17	775	1.0	645	865	
125	J. Reese	32	do.	65	4.8	5.1	12	43	5	10	—	7.0	33	
126	Bill Love	—	May 15, 1942	191	1.0	0.2	73	49	13	74	—	0	5	
127	P. M. Franklin	21	do.	95	9.6	7.5	14	37	3	29	—	14	55	
128	Mike Rogers	17	do.	36	4.0	1.5	7.4	6	4	15	0.3	1.0	16	
b/129	Buna Independent School Dist.	262	Apr. 10, 1942	50	7.2	1.9	4.9	37	2	11	0	0	46	
130	S. A. Richardson	17	May 14, 1942	193	4.3	5.1	56	12	4	76	0	41	33	
132	J. E. Sencor	13	do.	21	4.0	1.5	1.2	6	2	7.0	—	7.0	16	
133	M. E. Fann	22	May 15, 1942	65	a/	3.2	25	24	3	20	—	4.5	1	
b/134	Oliver Pevito	135	do.	49	3.4	3.9	6.7	21	2	13	0.1	0.5	32	
135	Earl Baker	63	do.	124	0.4	3.9	43	31	2	61	—	0	17	
136	T. F. Gailey	25	do.	102	7.0	7.5	23	35	2	20	—	0	50	
b/137	Houston Oil Co.	226	Apr. 10, 1942	151	23	1.0	34	122	2	23	—	0	51	
139	Archie Moss	17	May 15, 1942	93	2.0	1.5	34	12	3	50	—	1.5	11	
140	J. H. Richardson	12	do.	22	2.4	1.2	3.9	6	2	9.0	—	0	11	
141	V. H. Newbold	27	May 4, 1942	93	2.0	4.4	26	6	22	38	—	0	23	
142	City of Beaumont	816	Mar. 5, 1941	362	—	—	153	352	2	41	—	—	4.5	
143	A. G. Tarver	1,211	Apr. 10, 1942	253	0.3	1.0	106	262	4	12	0.3	0	6	
144	Hiller-Vidor Lumber Co.	1,077	do.	280	2.8	1.0	115	281	5	13	0.6	0	11	
145	T. J. Nahry	1,024	do.	270	3.6	3.2	1.7	281	4	14	“.3	0	22	
b/146	A. E. Harrington	75 ^b	May 15, 1942	66	3.6	1.7	21	49	2	14	0	0	16	
b/147	Magnolia Pipe Line Co.	630	do.	248	3.6	0.2	102	262	2	10	0.4	0	10	

^a/ Less than 3 parts per million.

^b/ Analyses of water from selected wells are given in milligram equivalents per liter on page 31.

^c/ Number under which analyses is listed in J. S. Geol. Survey Water-Supply Paper 335, Alexander Deussen, 1914.

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

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids	Cal- (Ca)	Magne- (Mg)	Sodium and Potassium (Na + K)	Bicar- (HCO ₃)	Sul- (SO ₄)	Chloro- (Cl)	Fluor- (F)	Fi- (NO ₃)	Total hardness as CaCO ₃ (calc.)
149	Mixon Heirs	71	May 15, 1942	129	19	12	14	85	2	40	-	0	98
150	O. K. Ratcliff	65	do.	755	28	22	234	61	52	399	0.2	0	159
b/151	D. Ward	72	do.	561	26	15	170	67	26	291	-	0	124
159	Kruntze Bros. (635c/)	No. 6	Sept. 12, 1927	15,146	675	66	4,876	217	9.8	8,700	-	.0	-

a/ Less than 3 parts per million.

b/ Analyses of water from selected wells are given in milligram equivalents per liter on page 31.

c/ Number under which analyses is listed in U. S. Geol. Survey Water-Supply Paper 335, Alexander Deussen, 1914.

Chemical Analyses--Continued

Results are in milligram equivalents per liter

Well	Owner	Depth of well (ft.)	Date of collection	Cal- cium (Ca)	Magne- sium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicar- bonate (HCO ₃)	Sul- fate (SO ₄)	Chlor- ide (Cl)	Fluor- ide (F)	Ni- trate (NO ₃)	Total hardness as CaCO ₃ (calc.)
2.	J. S. Government	986	May 5, 1942	0.08	0.26	8.24	7.40	0.04	1.10	0.04	0	0.34
3	B. F. Boykin	155	do.	0.09	0.14	5.42	2.20	0.04	1.40	-	0	0.22
12	L. Mays	350+	May 7, 1942	0.02	0.10	2.80	2.00	0.08	0.51	0.01	0.02	0.12
18	Morgan and Lindsey	1,366	do.	0.22	0.22	0.13	0.30	0.15	0.10	0.02	0	0.44
22	Texas Forest Service	84	May 14, 1942	1.72	0.32	0.63	2.50	0.06	0.01	-	0	2.01
30	Roy Davis	41	do.	0.02	0.32	0.13	0.10	0.04	0.28	-	0.05	0.34
39	Ellis Sidney	46	May 13, 1942	0.10	0.12	0.36	0.40	0.04	0.13	-	0.01	0.22
43	J. T. Perkins	196	do.	0.23	0.02	0.66	0.80	0.04	0.11	0.01	0	0.30
51	J. W. Campbell	425	May 5, 1942	0.08	0.26	0.13	0.20	0.15	0.10	0.02	0	0.34
67	Van D. Marshall	381	Apr. 15, 1942	0.93	0.14	0.43	1.20	0.15	0.18	0.02	0	1.12
76	Monroe Arnold	48	May 9, 1942	0.12	0.10	0.32	0.10	0.04	0.27	-	0.13	0.22
85	J. M. Turner	90+	May 11, 1942	0.00	0.02	0.34	0.10	0.04	0.14	0.01	0.07	0.02
91	Gulf, Colorado and Santa Fe R.R. Co.	1,427	Apr. 10, 1942	0.94	0.08	1.64	2.40	0.15	0.10	0.01	0	1.02
94	Magnolia Pipe Line Co.	325	Apr. 15, 1942	0.32	0.56	0.54	1.10	0.04	0.21	0.07	0	0.88
96	W. P. VanPelt	15	May 16, 1942	0.08	0.02	0.85	0.70	0.04	0.20	0.01	0	0.10
105	J. S. Linscomb	150	May 19, 1942	0.20	0.12	0.09	0.20	0.04	0.17	0	0	0.32
114	A. P. Walters	230	May 16, 1942	0.42	0.22	0.67	0.90	0.04	0.31	0.01	0.05	0.64
118	Kirby Lumber Corp.	280	Apr. 14, 1942	0.34	0.19	1.19	1.00	0.06	0.65	-	0	0.52
119	do.	761	do.	0.98	0.14	1.55	2.40	0.08	0.17	0.02	0	1.12
129	Buna Independent School District	262	Apr. 10, 1942	0.36	0.16	6.43	0.60	0.04	0.31	0	0	0.52
134	Oliver Pevito	185	May 19, 1942	0.32	0.32	0.29	0.50	0.04	0.37	0.01	0.01	0.64
137	Houston Oil Co.	226	Apr. 10, 1942	1.14	0.08	1.47	2.00	0.04	0.65	-	0	1.22
146	A. F. Errington	75+	May 15, 1942	0.18	0.14	0.91	0.80	0.04	0.39	0	0	0.32
149	Magnolia Pipe Line Co.	630	do.	0.18	0.02	4.44	4.30	0.04	0.28	0.02	0	0.20
151	D. Ward	72	do.	1.29	1.20	7.37	1.10	0.54	3.21	-	0	2.48

NEWTON COUNTY, TEXAS

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

Records of wells in Newton County, Texas

All wells are dug unless otherwise stated in Remarks

Well	Distance from Burkbville	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
1	15 miles northwest	Unknown	--	Old	19	36	4.0
2	15½ miles northwest	Bennie Harrison	Bennie Harrison	1939	22	48	2.5
3	12½ miles northwest	H. A. Marshall	--	1932	12	36	3.0
4	10½ miles northwest	Onnie H. Weaver	--	Old	27	36	2.0
5	12 miles northwest	Wier Long Leaf Lumber Co.	--	1921	54	6	0
6	11½ miles northwest	Walter Clark	--	1941	25	36	2.5
7	10 miles northwest	Wilkins and Hart	--	Old	26	36	2.0
8	8½ miles northwest	Mack Norton	--	1928	12	36	2.0
9	7½ miles northwest	B. C. Perry	--	1927	23	42	2.5
10	12 miles northeast	Newton County	--	1941	48	3	0
11	12½ miles northeast	Mandy Odem	--	1930	30	36	5.0
12	14½ miles northeast	Joe R. Ferguson	--	Old	15	30	2.0
13	8½ miles northeast	Henry Gunter	--	1922	22	42	2.5
14	9 miles northeast	Texas Highway Dept.	Texas Highway Dept.	1939	27	6	0.5
15	6 miles northeast	C. Newberry	--	1936	24	36	5.0
16	do.	Cary Ray	--	Old	52	36	3.0
17	3 miles north	Carol Miller	--	Old	57	36	2.0
18	4½ miles northwest	Kimball Love	--	1941	62	36	3.0
19	12 miles west	A. L. Hilliard	A. I. Hilliard	1940	20	42	0
20	10½ miles west	Elmer Simmons	--	1932	45	24	0
21	8½ miles west	A. D. Holmes	--	1939	50	6	3.0
22	7 miles west	Hunter Fowler	Hunter Fowler	1936	33	36	3.0
23	5½ miles northwest	Stark and Brown	--	Old	22	36	3.5
24	6 miles northwest	Wier Long Leaf Lumber Co.	--	1918	153	4	--

a/ Plus (+) indicates water level is above ground.

b/ Pump or lift: T, turbine; A, air lift; C, cylinder; B, rope and bucket.

Power: G, gasoline; E, electric; W, windmill; H, hand. Number indicates horse-power.

Chemical analyses of water from most of these wells are shown in a table of analyses on pages 46 to 50.

Well	Water level below measuring point (ft.) a/	Date of measurement	Method b/	Use of lift c/	Remarks
1	14.06	May 21, 1942	B,H	D,S	
2	19.74	do.	B,H	D,S	
3	8.89	do.	B,H	D,S	
4	24.64	do.	B,H	D,S	
5	d/ 47	1921	--	--	Bored well. Caved and abandoned in 1934.
6	19.50	May 22, 1942	B,H	D,S	
7	20.66	May 21, 1942	B,H	D,S	
8	3.73	do.	B,H	D,S	
9	13.64	May 22, 1942	B,H	D,S	
10	+	May 20, 1942	Flows	N	Seismograph test. Estimated flow 5 gallons a minute.
11	27.31	do.	B,H	D,S	
12	11.12	do.	B,H	D,S	
13	19.51	do.	B,H	D,S	
14	+	do.	Flows	N	Drilled well. Estimated flow 10 gallons a minute.
15	13.89	do.	B,H	D,S	
16	48.29	do.	S,H	S	
17	50.66	May 21, 1942	B,H	D,S	
18	63.12	do.	B,H	D,S	
19	d/ 2	May 22, 1942	C,H	S	Bored well.
20	41.55	May 21, 1942	C,L, 12	D,S	
21	44.24	do.	P,E	D,S	Bored well. Flow reported from sand at 90 feet in nearby seismograph test.
22	33.06	do.	S,H	D,S	
23	16.50	do.	B,H	D,S	
24	---	---	---	---	Drilled well. Formerly supplied water for sawmill and Town of Piergate. Capped and abandoned.

a/ ? , public supply; D, domestic; S, stock; Ind, industrial; Irr, irrigation;
, not used.

b/ Water level reported by driller or owner.

c/ Number under which well is listed in U. S. Geol. Survey Water-Supply Paper 335, Alexander Deussen, 1914.

Records of wells in Newton County--Continued.

Well	Distance from Burkeville	Owner	Driller	Date com- ple- ted	Depth of well (ft.)	Diam- eter of well (in.)	Height of measuring point above ground (ft.)
25	2 miles northeast	Wier Long Leaf Lumber Co.	Frank Balcar	1926	346	4	0
26	do.	do.	McCaslers and Pomeroy	1937	232	6	0
27	4 miles northeast	Burkeville High School	do.	1938	120	4	---
28	1½ miles south	Mrs. S. C. Irwin	do.	Old	30	36	5.0
29	1½ miles southeast	Mary Dickerson	--	1912	25	36	2.0
30	3½ miles southeast	Jack Ozment	--	Old	26	36	5.0
31	4 miles southeast	Curry McMahon	--	1939	18	42	3.0
32	7 miles southeast	F. C. Knighton	--	1929	12	36	2.5
33	5 miles southeast	John Summers Est.	--	1930	19	42	2.0
34	7 miles southeast	Louis Smith	--	1938	53	6	5.2
35	7½ miles south	C. H. Young	C. H. Young	1924	23	36	2.7
36	3½ miles southwest	A. M. Sharver	--	1934	16	36	---

Well	Distance from Newton	Owner	Driller	Date com- ple- ted	Depth of well (ft.)	Diam- eter of well (in.)	Height of measuring point above ground (ft.)
37	5½ miles northeast	C. W. Simmons	--	1930	22	36	2.5
38	7½ miles north	H. H. Westbrook	C. O. Lynch	1919	33	36	5.0
39	7 miles northwest	Ranah Kyles	--	Old	15	36	3.0
40	9 miles northwest	Newton County School District	--	Old	34	36	3.0
41	7½ miles northwest	Charles W. Adams	Charles W. Adams	1940	45	6	2.0
42	4½ miles northwest	Jess M. Woods	Jess M. Woods	1932	16	12	---
43	5 miles northwest	Can Buitt	Can Buitt	1933	16	24	2.5
44	4½ miles northeast	P. A. Lindsey	--	1925	56	36	5.2
45	4 miles northeast	Fowler Smith	--	Old	22	42	5.5
46	2½ miles northeast	M. C. Womack	--	1940	68	24	0
47	2½ miles northeast	O. C. Tucker	Shell Oil Co.	1941	139	5	0.5

Well	Water level Below measuring point (ft.) a/	Date of measure- ment	Method of lift b/	Use of water c/	Remarks
25	d/ 0	1926	---	---	Drilled well. Screen from 334 to 346 feet. Formerly supplied sawmill and farm of Wiergate.
26	d/ 30	1942	A	D,P, Ind	Drilled well. Sanded up. Replaced by well 26. Casing: 180 feet of 6-inch and 52 feet of 4- inch; screen from 190 to 222 feet. Estimated yield 500 gallons a minute. See log.
27	--	--	C,E, 4	P	Drilled well. Supplies high school.
28	26.72	May 22, 1942	B,H	D,S	
29	8.80	do.	B,H	D,S	
30	27.22	do.	B,H	D,S	
31	15.18	do.	B,H	D,S	
32	9.38	do.	B,H	D,S	
33	15.04	do.	B,H	D,S	
34	43.69	do.	B,H	D,S	Bored well.
35	25.05	do.	B,H	D,S	
36	--	--	B,H	D,S	
Well	Water level Below measuring point (ft.) a/	Date of measure- ment	Method of lift b/	Use of water c/	Remarks
37	21.54	May 22, 1942	C,E, 4	D,S	
38	30.57	do.	B,H	D,S	
39	7.19	do.	B,H	D,S	
40	29.47	do.	B,F	D	Formerly supplied school.
41	40.87	do.	B,E	D,S	Bored well.
42	--	--	S	D,S	Do.
43	11.74	May 21, 1942	?	D,S	
44	43.40	May 25, 1942	B,B	D,S	
45	7.74	do.	B,H	D,S	
46	d/ 60	May 1942	C,W	D,S	
47	d/+	1941	---	---	Seismograph test. Casing pulled and hole aban-
					doned.

Records of wells in Norton County--Continued.

Well	Distance from Newton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
48	14 miles north	Kirby Loring Corp.	--	Old	800+	4"	---
49	14 miles west	Newton County	John Adams	1929	830+	5	0
	do.	City of Newton	Incubators and Pomeroy	1940	200	2"	0
51	4 miles west	Newton County School District	--	1941	25+	3	---
52	6 miles west	Lettie Feung	--	1922	22	42	2.0
53	3½ miles west	J. I. Howell	--	1939	75	3	1.5
54	4½ miles southwest	Hoy Fuller	--	Old	31	56	3.0
55	3½ miles southwest	Civilian Conservation Corp. Tion Co. s.	--	--	260	3	---
56	2 miles southwest	E. A. Villet	--	1905	26	36	2.5
57	2½ miles south	Lewis Ferguson	--	1928	24	12	3.0
58	2½ miles southeast	E. R. Joyce	--	1936	21	13	2.5
59	4½ miles east	Drs. W. J. Sherard	--	Old	31	56	3.0
60	6½ miles southeast	R. S. Simons	--	1902	40	5	4.5
61	7 miles southeast	Nouston Oil Co.	--	1912?	360	3	0
62	8 miles southeast	I. J. Lowe	--	1927	16	30	3.0
63	3 miles southeast	Miles Miller	--	Old	23	34	2.5
64	3 miles southeast	Warren Junter	--	Old	57	37	3.0
65	4 miles southeast	Henry Moore	--	Old	29	40	2.5
66	4½ miles southwest	S. A. Denze	Shell Oil Corp.	1936	97	3	.5
67	5 miles southwest	Monroe Kenebrew	--	1934	59	36	4.5
68	6 miles southwest	A. Wilkinson	--	Old	34	4	3.0
69	6½ miles southwest	J. B. Stark	--	1930	16	30	3.0

a/ This (-) indicates water level is above ground.

b/ Pump lift: T, turbine; A, air lift; C, cylinder; B, rope and bucket.

Power: G, gas line; E, electric; W, windmill; H, hand. Number indicates horsepower.

Well	Water level below measuring point (ft.) ^a	Date of measurement	Method of lift b/	Use of water c/	Remarks
48	d/r	--	--	--	Drilled well. Flowed when drilled. Casing pulled and hole abandoned.
49	d/ 2	1936	--	--	Formerly supplied City of Newton. Reported yield 200 gallons per minute with drawdown of 8 feet during continuous pumping. Abandoned.
50	d/ 11	1941	T,E, 10	P	Drilled well. Screen: 5-inch from 152 to 189 feet. Supplies City of Newton. Set log.
51	--	--	C,H	P	
52	3.57	May 23, 1942	B,H	D,S	
53	55.33	May 24, 1942	None	N	Seismograph test.
54	57.34	do.	B,H	D,S	
55	--	--	T,G, 7 $\frac{1}{2}$	P	Drilled well. Supplies 15 thousand gallons a day for camp.
56	19.98	May 25, 1942	B,H	D,S	
57	22.26	do.	B,H	D,S	
58	10.39	do.	B,H	D,S	
59	51.92	do.	B,H	D,S	
60	56.06	do.	B,H	D,S	Sand reported from 14 to 40 feet.
61	d/+	1912	--	--	Drilled well. Screen from 300 to 760 feet. Formerly supplied sawmill and camp. Casing pulled and hole abandoned in 1913.
62	14.21	May 25, 1942	B,H	D,S	
63	25.04	do.	B,F	D,S	
64	29.90	do.	B,F	D,S	
65	15.96	do.	B,H	D,S	
66	3.07	May 24, 1942	None	N	Seismograph test. Drilling: 64 feet of 3-inch. Sand from 31 to 51 feet.
67	30.18	do.	B,F	D,S	
68	17.07	do.	B,F	D,S	
69	2.07	do.	B,H	D,S	Flow reported 100-150 gpm at 64 feet in nearly seismograph test.

c/ Public supply; D, domestic; S, stock; Ind, industrial; Irr, irrigation;
i, not used.

d/ Water level reported by driller or owner.

e/ Number under which well is listed in U. S. Geol. Survey Water-Supply Paper 335,
Alexander Deussen, 1914.

Records of wells in Norton County--Continued.

Well	Distance from Call	Owner	Driller	Date com- ple- ted	Depth of well (ft.)	Diam- eter of well (in.)	Height of measuring point above ground (ft.)
70	8 miles north	Jim Weaver Est.	--	--	31	50	2.0
71	9 miles north	Mrs. Robert Calhoun	--	1929	30	56	2.5
72	7 miles northeast	J. R. Herrin	--	1935	22	12	0
73	9 miles northeast	Sarah Lewis	--	1933	18	12	0
74	11 miles northeast	Jim L. Stark	--	1907	20	56	3.0
75	11½ miles northeast	S. M. Herrin Est.	--	1918	14	56	3.0
Well	Distance from Call	Owner	Driller	Date com- ple- ted	Depth of well (ft.)	Diam- eter of well (in.)	Height of measuring point above ground (ft.)
76	3 miles west	Edward L. Davis	--	1902	26	56	3.0
77	2 miles northwest	S. F. Hughes	--	1941	20	12	0
78	1 mile west	L. M. Davis	--	1942	20	12	0
79	½ mile east	T. J. Brown	T. J. Brown	1939	22	12	0
80	1½ miles southeast	J. H. Inman	... Criscoe	1931	1,506	6	0
81	2 miles southeast	Jackson Eng.	--	1936	22	12	0
Well	Distance from Call	Owner	Driller	Date com- ple- ted	Depth of well (ft.)	Diam- eter of well (in.)	Height of measuring point above ground (ft.)
82	2 miles northeast	Tom Wilson Est.	--	Old	38	34	2.5
83	3 miles northeast	Tom Singletary	--	Old	29	34	2.5
84	4½ miles north	Tom Gilchrist	--	Old	25	30	2.5
85	2 miles north	Southwestern Settlement and Development Co.	. T. Elliott	1907	1,495	4	0
86	3 miles north	Texas A. & M. No. 1	H. C. Coburn	1941	9,574	9...	7/3
87	7 miles north	Hyden Field	--	1940	30	30	3.0

Well	Water level		Method of measurement	Use of lift	Remarks
	below measuring point (ft.)	Date of measurement (a)			
70	8.32	May 24, 1942	B,H	D,S	
71	14.27	do.	B,H	D,S	
72	d/ 13	1935	C,H	D,S	Bored well. Screen from 19 to 22 feet.
73	--	--	C,H	D,S	Driven well.
74	17.66	May 25, 1942	B,H	D,S	
75	11.68	do.	B,H	D,S	
Well	Water level		Method of measurement	Use of lift	Remarks
	below measuring point (ft.)	Date of measurement (a)			
76	19.33	May 25, 1942	B,H	D,S	
77	--	--	C,H	D,S	Driven well.
78	--	--	C,H	D,S	Do.
79	d/ 3	1942	C,N	D,S	Do.
80	+	Apr. 15, 1942	Flows	--	Oil test. Casing: 305 feet of 3-inch. Flow reported from sand between 1,270 and 1,400 feet. Known as T. J. Windham No. 1. See log.
81	--	--	C,H	D,S	Driven well.
Well	Water level		Method of measurement	Use of lift	Remarks
	below measuring point (ft.)	Date of measurement (a)			
82	28.64	May 26, 1942	B,H	D,S	
83	23.51	do.	B,H	D,S	
84	15.77	do.	B,H	D,S	
85	17.77	do.	B,H	D,S	Oil test. Well 85 had a flow of 300 gallons per minute at 1,270 ft. Cased and sealed at 1,270 feet. Well No. 627 ft. See log. Description of bottom 1,220 feet in files of Texas State Board of Water Engineers shows zones consisting predominantly of sand at 1,220 to 1,350, 1,440 to 1,500, 1,640 to 1,840 and 1,900 to 1,950 feet.
86	7.02	May 26, 1942	B,H	D,S	

Records of wells in Newton County--Continued.

Well	Distance from Call	Owner	Driller	Date com- pleted	Depth of well (ft.)	Dia- meter of well (in.)	Height of measuring point above ground (ft.)
88	3 miles northeast	Texas Forest Service	Frank Balcar	1933	150	4	1.0
89	3 miles north	do.	do.	1925	550	4	---
90	4½ miles northeast	E. D. Marshall	E. D. Marshall	1941	25	1	0
91	6½ miles northeast	Biloxi School	--	1937	14	2	---
92	9 miles northeast	James Randolph	James Randolph	1937	16	1	---
93	9½ miles east	A. B. Kellum	A. B. Kellum	1940	18	1	---
94	7½ miles east	Col. ... Thompson	--	1934	20	1	---
95	5½ miles east	Lddie Levias	--	1937	17	1	---
96	5½ miles east	J. D. Bean	--	Old	46	36	3.0
97	1½ miles east	A. M. Bennett	A. F. Bennett	1914	24	35	3.0
98	In Call	Kirby Lumber Corp.	John Adams	1935	529	7	0
99	do.	do.	--	Old	797	3	0
100	do.	do.	Gust Kinecke	1906	852	8	0
101	2½ miles southeast	J. O. Roy	--	1936	24	24	1.0
102	¾ miles southeast	Mrs. T. G. Holmes	--	1924	48	36	3.0
103	4 miles southeast	Landrum Est.	--	1939	40	36	2.5
104	6 miles southeast	J. J. Bean	--	1938	20	1	---
105	8½ miles southeast	Bluett Holmes	Bluett Holmes	1940	20	1	---
106	2½ miles northwest	Earl Horkamer et al., No. 1	Republic Production Co.	1938	7,052	---	---
Well	Distance from Deweyville	Owner	Driller	Date com- pleted	Depth of well (ft.)	Dia- meter of well (in.)	Height of measuring point above ground (ft.)
107	12½ miles northwest	E. D. Cain	John Cain	1937	58	36	3.0
108	10 miles northwest	J. W. Pingham	J. J. Singham	1937	22	1	0

Well	Water level below measuring point (ft.) a/	Date of measurement	Method of lift b/	Use of water c/	Remarks
88	35.56	May 26, 1942	C,G, 5	D,S	Drilled well. Formerly supplied C.C.C. Camp.
89	--	--	C,V,G, 1½	D,S	Drilled well. Supplies camp houses.
90	d/ 26	May 26, 1942	C,H	D,S	Seismograph test.
91	--	--	C,H	P,S	Supplies school.
92	--	--	C,H	D,S	Driven well.
93	--	--	C,H	D,S	Do.
94	--	--	C,H	D,S	Do.
95	--	--	C,H	D,S	Do.
96	41.70	May 26, 1942	B,H	D,S	
97	9.19	do.	B,F	D,S	
98	d/ 40	1935	A	D, Ind	Drilled well. Screen from 482 to 63 feet. Estimated yield 325 gallons a minute. Supplies
99	d/+	1908	--	--	Drilled well. Re-sawmill and Town of Call. Reported flow 5 gallons a minute in 1908. Formerly supplied sawmill and Town of Call. A-
100	d/+	1906	--	--	Mill ell. abandoned. Deussen No. 830 a/ Formerly supplied sawmill and Town of Call. Reported flow 8 gallons a minute in 1906.
101	15.18	May 26, 1942	C,W	D,S	Deussen No. 831 a/
102	27.23	do.	C,W	D,S	
103	37.36	do.	C,E	D,S	
104	--	--	C,H	D,S	Driven well.
105	--	--	C,H	D,S	Do.
106	--	--	--	--	Oil test. Electrical log below 129 feet in files of Texas State Board of Water Engineers shows a sand from 429 to 500 feet and numerous sands alternating with clay or shale from 600 to 1,400 feet.
Well	Water level below measuring point (ft.) a/	Date of measurement	Method of lift b/	Use of water c/	Remarks
107	20.31	May 27, 1942	B,H	D,S	
108	d/ 10	1937	C,H	D,S	Driven well.

Records of wells in Newton County--Continued.

Well	Distance from Doreyville	Owner	Driller	Date com- ple- ted	Depth of well (ft.)	Diam- eter of well (in.)	measuring point above ground (ft.)
109	12 miles north	Sam Woods	Sam Woods	1939	18	1	--
110	9½ miles northwest	E. H. Smith No. 1	N. Oil Co.	1941	8,005	1, 9-7/8,	7
111	7 miles northwest	J. S. Bern	--	1932	40	1	--
112	8 miles northwest	Gregg and Young	Lynne-Texas Co.	1910	524	28, 10	7.
113	3½ miles west	O. H. Stephenson	E. C. Brown	1936	70	1	--
114	1 mile southeast	A. D. Lewis	--	1922	24	1	?
115	1 mile southwest, Lumber Co., Inc.	Peavy-Moore	George Glidden	1927	105	8	0
116	2½ miles southwest	V. E. Stephenson	ds.	1941	293	8	0
117	3 miles southwest	J. C. Storms	Virgil Phelps	1942	78	2	--
118	2 miles southwest	Pete Levine	J. J. Jordan	1940	314	1	0
119	7½ miles southwest	Peavy-Moore Lumber Co., Inc.	Sun Oil Co.	1932	7,227	--	--
120	1 mile west	Carl Hankamer et al.	Imble Oil and Refining Co.	1936	4,240	--	--
121	7½ miles north	Southern Lumber Co. No. 1	Fine Water Oil Co.	1934	3,818	--	--

5/ Plus (+) indicates water level is above ground.

5/ Pump or lift: T, turbine; A, air lift; C, cylinder; R, rope and bucket.

Power: G, gasoline; E, electric; M, windmill; H, hand. Number indicates Horsepower.

Well	Water level		Method of lift	Use of water	Remarks
	below measuring point (ft.)	Date of measurement			
109	---	---	C,H	D,S	Driven well.
110	---	---	---	---	Oil test. Electrical log in files of Texas State Board of Water Engineers shows a sand from 175 to 425 feet and numerous sands alternating with clays or shales from 500 to 1,400 and 2,050 and 2,250 feet.
111	---	---	C,H	D,S	Bored well.
112	8.07 3.67	Apr. 3, May 27, 1941 1942	T,G,-	Irr	Drilled well. Casing: 100 feet of 20-inch and 426 feet of 10-inch; screens from 65 to 77, 176 to 218, 335 to 377, 396 to 417, and 459 to 517 feet. See log.
113	---	---	C,H	D,S	Drilled well. Screen from 64 to 70 feet.
114	d/ 12	1922	C,H	D,S	Driven well.
115	d/ 12	1942	T,E, 30	D,PS	Drilled well. Screen from 75 to 105 feet. Reported yield 350 gallons a minute. Supplies
116	d/ 8	Oct. 1, 1941	C,G, 4	D,S	Drilled well. Screen from City of Deweyville. 281 to 293 feet. See log.
117	---	---	C,I	D,S	Drilled well. Screen from 69 to 78 feet. Supplies sawmill and camp.
118	d/ 16	1940	C,H	D,S	Drilled well. Screen from 210 to 214 feet.
119	---	---	---	---	Oil test. Electrical logs of seismograph tests in this vicinity show thin irregularly bedded sands from surface to 350 feet; thick persistent
120	---	---	---	---	sands between 350 and 650 feet. Oil test. Electrical logs of seismograph tests in this vicinity show irregular bedded sands from surface to 300 feet, thick persistent
121	---	---	---	---	Oil test. See sands between 350 and 600 feet log.

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

d/ Water level reported by driller or owner.

e/ Number under which well is listed in U. S. Geol. Survey Water-Supply Paper 335, Alexander Deussen, 1914.

Table of drillers' logs of wells in Newton County, Texas.

	Thickness (feet)	Depth (feet)
<u>Well 26</u>		
Wier Long Leaf Lumber Co., 2 miles northwest of Burkeville.		
Cinders	3	3
Surface sand	12	15
Gravel	15	30
Sand	21	51
Clay	15	66
Sand	23	89
Clay	11	100
Sand	18	118
Clay	64	182
Sand and gravel	39	221
Clay	11	252

	Thickness (feet)	Depth (feet)
<u>Well 50</u>		
City of Newton, in Newton.		
Sand	3	3
Clay	4	7
Sand	21	28
Clay	4	32
Sand	36	50
Shale	3	64
Sand and shale	50	94
Clay	21	115
Shale	37	152
Sand and gravel	37	130
Shale	11	200

	Thickness (feet)	Depth (feet)
<u>Well 80</u>		
J. I. Inman, $1\frac{1}{4}$ miles southeast of Bon Wier.		
Clay	17	17
Gray sand	359	576
Shale and gumbo	465	841
Sand	122	963
Shale and lime	307	1270
Sand	133	1403
Shale and sand	30	1433
Sticky shale	14	1447
Sandy shale	59	1506

	Thickness (feet)	Depth (feet)
<u>Well 85</u> (Deussen No. 627 a/)		

	Thickness (feet)	Depth (feet)
Southwestern Settlement & Development Co., 4 miles north of Jall.		
Red and white joint clay	47	47
Blue sand	152	199
Sulphur and shale	48	247
Soapstone, rock	1	248
Gray sand	24	277

	Thickness (feet)	Depth (feet)
<u>Well 85--Continued</u>		
Sand and shale, oil seepage		
Soapstone, rock	22	299
Water sand	1	300
Gumbo	52	352
Blue hard rock	5	357
Blue and brown shale	1	368
Blue sand	107	415
Soapstone, rock	10	495
Hard blue shale	2	497
Blue marl	8	535
Water sand, artesian flow	5	538
Gumbo	140	678
Hard blue rock (sandstone)	10	696
Blue and brown shale, oil signs	1	697
Blue marl, set 6-inch casing at 786 feet	73	770
Blue marl	2	788
Hard blue rock (sandstone)	2	790
Sand, oil seepage	9	799
Blue soapstone, rock	3	802
Blue and yellow shale	407	1269
Gumbo, set 4-inch casing at 1,303	54	1305
Gumbo	9	1312
Mineral water sand, artesian flow	14	1346
Gumbo	3	1352
Blue shale	11	1363
Blue gumbo	10	1382
Blue and purple shale	115	1495
a/ Number under which loc is listed in U. S. Geol. Survey Water-Supply Paper 335, Alexander Deussen, 1914.		

Well 112

Gregg and Young, 8 miles northwest of Deweyville.

	Thickness (feet)	Depth (feet)
Clay	25	25
Good white sand	37	32
Clay	80	162
Sand	50	222
Soft clay	40	232
Sand and layers of sandy clay	60	322
Clay	10	332
Sand and layers of shale	55	387
Good sand	31	418

(Continued on next page)

Table of drillers' logs of wells in Newton County--Continued.

	Thickness (feet)	Depth (feet)
--	---------------------	-----------------

Well 112--Continued

Soft sandy shale and sand	35	455
Sand	71	524

Well 116

W. E. Stephenson, 2½ miles southwest of Deveyville.		
White dirt	2	2
Clay	14	16
Sand-clay	8	24
Yellow clay	19	43
Fine-grained sand	8	51
Blue gumbo	19	150
Coarse water sand	19	169
Blue gumbo	116	185
Fine-grained hard sand	8	193
Blue gumbo	64	257
Hard packed water sand	16	275
No record	20	293

	Thickness (feet)	Depth (feet)
--	---------------------	-----------------

Well 121, partial log.

Southwestern Lumber Co., No. 1, 7½ miles north of Call.		
Surface sand	SSC	360
Hard sand	117	475
Sand with streaks of shale	27	500
Sand	15	515
Sand and gravel	19	544
Sand and clay	106	640
Sand	15	655
Sand and shale	47	700
Sticky shale	50	750
Sand	10	760
Shale	130	890
Sand and gravel	16	1006
Clay and shells	34	1040
Sand and gravel	45	1085
Sandy shale and shells of lime rock	737	1812
Sand and gravel	180	2000
Shale and lime	510	2550
TOTAL DEPTH		5848

Partial analyses of water from wells in Newton County, Texas

Analyzed at The University of Texas under the direction of W. W. Hastings, Chemist, U. S. Department of the Interior, Geological Survey, and Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry. Results are in parts per million. Well numbers correspond to numbers in table of well records.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids	Cal-cium (Ca)	Magne-sium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicar-bonate (HCO ₃)	Sul-fate (SO ₄)	Chlo-ride (Cl)	Fluor-ide (F)	Ni-trate (NO ₃)	Total hardness as CaCO ₃ (calc.)
1	Unknown	19	May 21, 1942	103	16	10	1.2	6	2	32	-	39	31
a/ 2	Bennie Harrison	22	do.	37	4.4	2.7	2.3	6	3	2.5	-	19	22
3	H. A. Marshall	12	do.	208	21	6.3	36	37	8	39	-	80	79
4	Onnie H. Neaver	27	do.	429	27	14	94	43	3	120	-	150	123
6	Walter Clark	23	May 22, 1942	40	10	1.5	3.2	37	3	3.0	-	1.5	31
7	Wilkins and Hart	26	May 21, 1942	47	0.4	3.9	8.7	12	3	5.0	-	20	17
8	Mack Norton	12	do.	348	19	12	83	6	3	144	-	84	98
a/ 9	B. C. Perry	23	May 22, 1942	205	10	2.7	44	6	23	9.0	0.2	113	37
a/10	Newton County	48	May 20, 1942	74	4.8	5.1	18	67	8	5.0	0.3	0	33
11	Mandy Odem	30	do.	363	10	27	68	12	3	117	-	132	137
12	Joe R. Ferguson	15	do.	37	3.6	0.2	9.2	18	10	1.0	-	4.0	10
13	Henry Gunter	22	do.	141	8.0	10	24	61	3	11	0.1	55	61
a/14	Texas Highway Dept.	27	do.	246	24	1.5	77	262	7	6.0	0.6	0	63
15	C. Newberry	24	do.	91	3.6	3.2	24	31	2	19	-	24	22
16	Cary Ray	52	do.	91	10	10	9.0	67	2	11	-	16	66
a/17	Carol Miller	57	May 21, 1942	191	25	5.1	46	165	2	32	-	0	83
18	Kimball Love	62	do.	223	37	5.1	44	183	2	32	0.5	12	113
19	A. L. Hilliard	20	May 22, 1942	221	9.2	3.4	73	116	22	54	0.1	2.5	37
20	Elmer Simmons	45	May 21, 1942	66	10	1.2	14	61	2	3.0	-	6.0	31
a/21	A. D. Holmes	50	do.	92	10	2.7	17	12	17	24	-	15	37
22	Hunter Fowler	33	do.	29	4.4	1.5	3.7	12	3	6.0	-	4.5	17
23	Stark and Brown	22	do.	97	6.4	3.9	23	18	4	37	-	14	32
a/26	Wier Long Leaf Lumber Co.	232	do.	24	4.0	1.5	3.0	12	3	6.0	0.3	0	16
a/27	Burkeville High School	120	May 20, 1942	54	8.4	1.2	4.4	31	3	5.0	0.2	0	26
23	Mrs. S. C. Erwin	30	May 22, 1942	305	21	2.4	83	43	6	102	-	70	62
29	Mary Dickerson	25	do.	100	4.8	3.6	26	24	8	30	-	16	27
30	Jack Ozment	26	do.	143	6.4	2.7	42	12	3	63	-	20	27

a/ Analyses of water from selected wells are given in milligram equivalents per liter on page 50.

b/ Number under which well is listed in U. S. Geol. Survey Water-Supply Paper 335, Alexander Deussen, 1914.

c/ Analyses by Curtis Laboratories.

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

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids	Cal-cium (Ca)	Magne-sium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicar-bonate (HCO ₃)	Sul-fate (SO ₄)	Chlo-ride (Cl)	Fluor-ide (F)	Ni-trate (NO ₃)	Total hardness as CaCO ₃ (calc.)
31	Curry McMahon	18	May 22, 1942	40	4.4	1.2	8.1	12	3	11	-	6.0	16
32	F. C. Knighton	12	do.	95	4.4	3.9	22	24	26	11	-	16	27
33	John Summers Estate	19	do.	16	2.0	1.5	2.1	12	2	2.5	-	0	11
a/34	Louis Smith	53	do.	12	1.6	0.2	2.3	6	3	1.5	-	0	5
35	C. H. Young	23	do.	34	6.4	3.9	0.2	6	2	13	-	0	32
36	A. M. Sharver	16	do.	681	191	14	51	366	4	240	-	1.0	533
37	C. W. Simmons	22	do.	34	4.4	3.9	2.1	18	3	6.0	-	6.0	27
38	H. H. Westbrook	33	do.	75	8.4	3.9	9.2	18	4	10	0	30	37
39	Hanah Kyles	15	do.	46	6.0	1.5	8.7	18	4	12	-	5.0	21
a/40	Newton County School District	34	do.	31	9.6	0.2	0.9	13	3	4.0	-	4.5	25
41	Chas. W. Adams	45	do.	59	14	1.5	6.9	43	4	12	-	0	41
42	Jess M. Woods	18	do.	94	2.4	2.7	23	12	2	12	-	46	17
43	Can Buitt	16	May 21, 1942	204	46	3.9	26	122	9	52	0.6	6.0	132
44	E. A. Lindsey	56	May 23, 1942	22	2.0	1.5	3.9	12	3	2.5	0.1	3.0	11
45	Fowler Smith	22	do.	47	8.4	2.7	1.3	12	3	5.0	-	20	32
a/46	M. C. Womack	68	do.	56	5.6	0.2	17	55	2	3.5	-	1.0	15
50	City of Newton	200	Apr. 10, 1941	62	5.9	1.2	6.3	26	2.1	7.0	0	.0	20
a/51	Newton County School District	25+	May 23, 1942	69	18	2.7	5.3	73	3	3.0	0.1	1.0	57
52	Lottie Young	22	do.	45	2.0	1.5	12	12	9	11	-	3.0	11
54	Hoy Fuller	31	May 24, 1942	151	12	3.9	26	12	3	18	-	82	47
55	Civilian Conservation Corps	260	Apr. 10, 1941	35	1.2	.8	7.5	18	2.6	3.5	0	.28	6.3
56	H. A. Willett	26	May 25, 1942	143	8.4	3.9	34	18	13	30	-	39	37
57	Lewis Ferguson	24	do.	33	4.0	1.5	3.5	0	4	5.5	-	14	16
58	G. R. Joyce	21	do.	21	2.0	1.5	3.2	6	2	6.0	-	3.0	11
59	Dr. W. H. Shepherd	31	do.	40	0.0	1.5	5.5	12	2	9.5	-	9.0	21
a/60	R. B. Simmons	40	do.	347	13	23	67	12	2	120	0.3	116	129
62	T. C. Lowe	16	do.	170	11	6.3	33	18	15	31	-	65	54
63	Miles Miller	23	do.	518	25	6.3	161	37	65	240	0.4	0	89

a/ Analyses of water from selected wells are given in milligram equivalents per liter on page 50.

b/ Number under which well is listed in U. S. Geol. Survey Water-Supply Paper 335, Alexander Deussen, 1914.

c/ Analyses by Curtis Laboratories.

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

Results are in parts per million

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids	Cal-cium (Ca)	Magne-sium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicar-bonate (HCO ₃)	Sul-fate (SO ₄)	Chlo-ride (Cl)	Fluor-ide (F)	Ni-trate (NO ₃)	Total hardness as CaCO ₃ (calc.)
64	Warren Gunter	37	May 25, 1942	286	26	17	49	18	2	130	-	53	136
65	Henry Ebare	29	do.	137	8.4	2.7	35	12	12	43	-	30	32
67	Monroe Kenebrew	39	May 24, 1942	272	15	12	49	12	3	52	-	135	83
68	A. Wilkinson	34	do.	220	9.2	6.3	50	18	12	37	-	96	49
69	J. B. Stark	16	do.	210	8.4	3.9	55	12	3	59	-	75	37
70	Jim Weaver Estate	21	do.	220	5.6	7.5	60	49	4	59	-	60	45
a/71	Mrs. Robert Calhoun	30	do.	151	5.2	6.3	33	0	7	36	0.1	63	39
73	Sarah Lewis	18	May 25, 1942	47	10	2.7	1.8	12	3	16	-	7.0	37
74	Jim L. Stark	20	do.	207	8.8	5.1	56	12	11	73	0	42	43
75	S.M. Herrin Estate	14	do.	48	4.4	2.7	7.6	6	3	15	-	12	22
76	Edward L. Davis	26	do.	98	5.6	7.5	13	12	2	16	-	48	45
77	S. F. Hughes	20	do.	36	6.4	3.9	0.2	18	2	7.0	-	7.0	32
78	L. H. Davis	29	do.	33	4.4	2.7	4.6	24	2	7.0	-	0	22
79	T. J. Brown	22	do.	31	2.0	1.5	6.0	12	2	2.0	-	11	11
a/80	J. M. Inman	1,500	Apr. 15, 1942	94	24	4.6	3.9	92	3	10	0.4	0	78
31	Jackson Estate	20	May 25, 1942	20	2.0	1.5	3.5	15	2	3.0	-	0	11
a/82	Tom Wilson Estate	38	May 26, 1942	220	16	10	44	43	2	61	-	66	31
83	Tom Singletary	29	do.	229	28	3.9	58	133	3	39	-	7.0	87
34	Tom Gilchrist	25	May 24, 1942	195	15	14	24	6	2	47	-	90	93
85	Southwestern Settlement												
(627b/)	and Development Co.	1,495	--	266	85	5	22	292	12	24	-	-	-
37	Hayden Hollis	30	May 26, 1942	27	2.0	1.5	5.3	6	3	3.0	-	4.0	11
a/88	Texas Forest Service	150	do.	37	4.0	1.5	8.5	18	2	12	0.2	0	16
a/89	do.	350	do.	160	11	2.4	53	171	3	7.0	0	0	37
90	E. D. Marshall	25	do.	21	4.0	1.5	1.4	12	2	4.0	-	2.0	15
91	Biloxi School	14	do.	65	14	1.5	9.9	67	3	3.0	0.2	0	41
92	James Randolph	16	do.	46	8.4	3.9	4.1	49	3	1.0	-	2.0	37

a/ Analyses of water from selected wells are given in milligram equivalents per liter on page 50.

b/ Number under which well is listed in U. S. Geol. Survey Water-Supply Paper 335, Alexander Deussen, 1914.

c/ Analyses by Curtis Laboratories.

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

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids	Cal-cium (Ca)	Magne-sium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicar-bonate (HCO_3)	Sul-fate (SO_4)	Chlo-ride (Cl)	Fluor-ide (F)	Ni-trate (NO_3)	Total hardness as CaCO_3 (calc.)
93	A. B. Kellum	18	May 26, 1942	13	2.0	1.5	0.7	6	2	4.0	-	0	11
95	Eddie Levias	17	do.	18	2.4	2.7	0.7	12	2	4.5	-	0	17
a/ 96	J. D. Bean	46	do.	33	4.4	3.9	1.8	18	3	7.0	-	4.0	27
a/ 97	A. M. Bennett	24	do.	209	9.6	7.5	52	12	3	81	-	50	55
a/ 98	Kirby Lumber Corp.	529	Apr. 15, 1942	68	17	1.0	8.5	61	4	7.0	0.1	0	46
101	W. O. Roy	24	May 26, 1942	57	3.0	1.5	14	43	2	6.0	-	6.0	21
a/102	Mrs. T. G. Holmes	48	do.	310	12	17	70	43	2	107	-	81	101
103	Landrum Estate	40	do.	241	39	12	22	61	3	55	-	80	148
104	J. J. Bean	20	do.	32	4.4	2.7	4.1	18	2	10	-	0	22
105	Bluett Holmes	20	do.	166	15	6.3	27	6	2	41	-	72	64
a/107	E. D. Cain	33	May 27, 1942	198	11	5.1	52	37	2	66	-	44	48
108	J. M. Bingham	22	do.	38	10	1.5	1.6	24	2	60	-	5.0	31
111	W. E. Bean	40	do.	50	8.8	5.1	3.5	43	3	9.0	-	0	43
c/112	Grugg and Young	524	--	151	10.4	3.4	49.5	79.3	.8	58.0	-	-	40.0
a/113	O.H. Stephenson	70	May 26, 1942	193	12	2.7	60	55	3	88	0	0	42
a/115	Peavy-Moore Lumber Co., Inc.	105	Apr. 15, 1942	162	20	4.6	40	146	3	22	0.3	0	68
a/116	V.E. Stephenson	293	May 27, 1942	149	6.4	2.7	52	122	3	25	0.1	0	27
a/117	J. C. Storms	78	do.	222	4.4	2.7	80	85	12	81	-	0	22
a/118	Pete Lavine	214	do.	135	22	1.5	30	104	4	26	0.3	0	61

a/ Analyses of water from selected wells are given in milligram equivalents per liter on page 50.

b/ Number under which well is listed in U. S. Geol. Survey Water-Supply Paper 335, Alexander Deussen, 1914.

c/ Analyses by Curtis Laboratories.

Chemical analyses--Continued

Results are in milligram equivalents per liter

Well No.	Owner	Depth of well (ft.)	Date of collection	Cal-cium (J ₂)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.)
2	Bennie Harrison	22	May 21, 1942	0.22	0.22	0.10	0.10	0.06	0.07	--	0.31	0.44
9	R. C. Perry	23	May 22, 1942	0.52	0.22	1.92	0.10	0.48	0.25	0.01	1.32	0.74
10	Newton County	48	May 20, 1942	0.24	0.42	0.77	1.10	0.17	0.14	0.02	0	0.66
14	Texas Highway Dept.	27	do.	1.20	0.12	3.33	4.30	0.15	0.17	0.03	0	1.32
17	Carol Miller	57	May 21, 1942	1.24	0.42	1.92	2.70	0.04	0.90	--	0	1.66
21	A. D. Holmes	50	do.	0.52	0.22	0.73	0.20	0.35	0.68	--	0.24	0.74
26	Weir Long Leaf Lumber Co.	232	do.	0.20	0.12	0.13	0.20	0.06	0.17	0.02	0	0.32
27	Burkeville High School	120	May 20, 1942	0.42	0.10	0.19	0.50	0.06	0.14	0.01	0	0.52
34	Louis Smith	53	May 22, 1942	0.08	0.02	0.10	0.10	0.06	0.04	--	0	0.10
40	Newton County School District	34	do.	0.48	0.02	0.04	0.30	0.06	0.11	--	0.07	0.50
46	M. C. Womack	68	May 23, 1942	0.28	0.02	0.76	0.90	0.04	0.10	--	0.02	0.30
51	Newton County School District	25 ⁺	do.	0.92	0.22	0.23	1.20	0.06	0.08	0.01	0.02	1.14
60	R. B. Simmons	40	May 25, 1942	0.66	1.92	2.93	0.20	0.04	3.38	0.02	1.37	2.53
71	Mrs. Robert Calhoun	30	May 24, 1942	0.26	0.52	1.42	0	0.15	1.02	0.01	1.02	0.78
80	J. M. Inman	1,800	Apr. 15, 1942	1.18	0.38	0.30	1.50	0.06	0.28	0.02	0	1.56
92	Tom Wilson Estate	38	May 26, 1942	0.30	0.32	1.90	0.70	0.04	1.72	--	1.06	1.62
93	Texas Forest Service	150	do.	0.20	0.12	0.37	0.30	0.04	0.34	0.01	0	0.32
89	do.	350	do.	0.54	0.20	2.32	2.80	0.06	0.20	0	0	0.74
96	J. D. Bean	46	do.	0.22	0.32	0.08	0.30	0.06	0.20	--	0.06	0.54
98	Kirby Lumber Co.	529	Apr. 15, 1942	0.84	0.03	0.37	1.00	0.08	0.20	0.01	0	0.92
102	Mrs. T. G. Holmes	48	May 26, 1942	0.60	1.42	3.05	0.70	0.04	3.02	--	1.31	2.02
107	E. D. Cain	33	May 27, 1942	0.54	0.42	2.25	0.60	0.04	1.36	--	0.71	0.96
113	O. H. Stephenson	70	May 26, 1942	0.62	0.22	2.60	0.90	0.06	2.48	0	0	0.84
115	Peavy-Moore Lumber Co., Inc.	105	Apr. 15, 1942	0.93	0.38	1.74	2.40	0.06	0.62	0.02	0	1.36
116	W. F. Stephenson	295	May 27, 1942	0.32	0.22	2.24	2.00	0.06	0.71	0.01	0	0.54
117	J. C. Storms	78	do.	0.22	0.22	3.49	1.40	0.25	2.28	--	0	0.44
118	Pete Lavine	214	do.	1.10	0.12	1.31	1.70	0.08	0.73	0.02	0	1.22

