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DAWSON COUNTY, TEXAS

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

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by

J. C. Cumley

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Analyses made, and report mimeographed by  
WORKS PROGRESS ADMINISTRATION

PROJECT 10443

\* \* \*

Prepared in cooperation with the United States Depart-  
ment of the Interior, Geological Survey, and the Bureau  
of Industrial Chemistry of The University of Texas.

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Austin, Texas  
Dec. 10, 1938

## DAWSON COUNTY, TEXAS

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### Introduction

by

Walter N. White

Senior Hydraulic Engineer

United States Department of the Interior

Geological Survey

This publication contains records of typical wells and pumping plants in Dawson County, Texas, together with tables of well and test hole logs, and analyses of water from wells, each well being given a number on the map corresponding to the number assigned to it in the well tables.

The records were obtained in the course of an investigation in the Texas High Plains comprising a part of State-wide studies of the ground-water resources of Texas by the State Board of Water Engineers in cooperation with the Geological Survey of the United States Department of the Interior. The field work in the High Plains was first started in 1934, a reconnaissance being made in that year covering parts of western Kansas and Oklahoma and eastern Colorado, as well as the Texas Panhandle. That investigation was under the direction of C. V. Theis, associate Geologist with the Geological Survey, and was made with an allocation of funds from the administration of public works. The present investigation was started in the spring of 1937 with funds appropriated by the Texas Legislature and nearly equal amount contributed by the Federal Government.

A few of the records listed were obtained in the fall of 1937 by Joe W. Lang, geologist. Most of them were obtained in June and July, 1938, by J. C. Cumley, engineer.

The analyses were made by chemists employed on Works Progress Administration Project 9864, under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry of the University of Texas and E. W. Loehr, Chemist of the Quality of Water Division of the Geological Survey. This release was typed by stenographers employed on that project.

The records serve as a guide to land owners and well drillers who need information regarding wells, the depth to ground water in different parts of the county and the quantity and quality of water yielded by wells. They afford a basis for the more intensive investigation that is now being carried on, the purpose of which is to determine the distribution and extent of the available ground-water supplies and the safe yield of the underground reservoirs.

Thanks are due the owners of wells in Dawson County who have given their cordial cooperation and assistance, and to oil companies which contributed logs, locations, and elevations of seismograph test holes.

Records of wells and springs in Dawson County, Texas

(All wells are drilled unless otherwise noted in "Remarks" column. See "Logs of test holes drilled by Seismograph Companies" for all records of these test holes.)

No.	Distance from Lamesa	Section	Township, block, survey or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
1	20 $\frac{1}{2}$ miles northwest	18, SE $\frac{1}{4}$ SW $\frac{1}{4}$	E.L.& R.R.R.R., blk. M	J. A. Johnson	--	1908	98	--
d/ 2	18 $\frac{1}{8}$ miles northwest	69, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Lou School	--	--	95	5
3	18 miles northwest	88, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	G. P. Dickenson	--	--	133	--
4	15 $\frac{1}{2}$ miles northwest	82, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Atlas Life Ins. Co.	--	1934	98	6
5	15 miles northwest	72, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Fred Kantz	-- Seismograph Co.	1937	110	--
6	16 miles northwest	66, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	T.R. Halley	Fred Buchanan	1937	110	--
7	15 $\frac{1}{2}$ miles northwest	49, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. P. Cole	--	1924	94	--
8	17 $\frac{1}{2}$ miles northwest	16, SE $\frac{1}{4}$ SE $\frac{1}{4}$	Public S. L., blk. 109	Ed. Tinsley	Walter Henderson	1935	80	5
9	18 $\frac{1}{8}$ miles northwest	24, NW $\frac{1}{4}$ NW $\frac{1}{4}$	Public S. L., blk. C-41	W. A. Swinney	R. Simmons	1923	79	--
10	17 $\frac{1}{2}$ miles northwest	16, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	T. E. Oler	"Bud" Simmons	Old	105	5
11	16 $\frac{1}{2}$ miles northwest	29, NE $\frac{1}{4}$ NW $\frac{1}{4}$	E.L.& R.R.R.R., blk. M	M. L. Youngblood	--	1918	88	--
12	14 $\frac{1}{2}$ miles northwest	27, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	T. A. Weeks	-- Hopkins	--	85	5
13	12 $\frac{1}{2}$ miles northwest	20, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	H. G. Westbrook	--	--	96	--
14	13 $\frac{1}{2}$ miles northwest	47, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Fairview School	--	1934	106	5
15	12 miles northwest	45, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Texas Land & Mort. Co.	--	1903	107	5
d/ 16	do.	45, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	E. L. Wilson	1937	5,044	12 $\frac{1}{2}$
17	11 miles northwest	12, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	J. M. Barrett	--	--	88	--
18	8 miles north	54, SW $\frac{1}{4}$ SW $\frac{1}{4}$	T. C. N., blk. 55	J. W. Benton	--	--	126	6
19	9 $\frac{1}{8}$ miles north	57, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	C. F. Cox	--	--	140	5
20	11 $\frac{1}{2}$ miles north	2, NW $\frac{1}{4}$ NW $\frac{1}{4}$	D. L. Cunningham, blk. 5	Fred Henderson	--	Old	115	--
21	12 miles north	17, SW $\frac{1}{4}$ SW $\frac{1}{4}$	E.L.& R.R.R.R., blk. M	John Edwards	--	--	136	4
22	14 miles north	25, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	R. L. Nelson	--	Old	78	--
23	16 miles north	4, SW $\frac{1}{4}$ SW $\frac{1}{4}$	Public S. L., blk. C-41	Chas. Beard	--	Old	81	5
d/ 24	do.	6, NW $\frac{1}{4}$ NW $\frac{1}{4}$	E.L.& R.R.R.R., blk. H	-- Chem. Co.	--	1937	200	--

a/ Measuring point was usually top of casing, top of well curb or top of pump base.  
 b/ T, turbine; C, cylinder; B, bucket; E, electric; G, gasoline; W, windmill; H, hand; number indicates horse power.

Records obtained by J. C. Cumley

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

No.	Height of measuring point above ground (ft.) <u>a/</u>	Water level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
1	1	89.6	July 19, 1938	C, W	D, S	Sand dunes	One joint of casing at bottom.
2	1.3	81.5	do.	C, W	D, P	Gentle slope	Iron casing.
3	1	97.3	July 27, 1938	C, W	D, S, I	Sand dunes	Irrigates small garden.
4	0.5	89.8	do.	C, W, G --	D, S	do.	Reported 3 $\frac{1}{2}$ feet drawdown after pumping 4 gallons a minute for 7 hours.
5	--	95	<u>e/</u>	C, W	D, S	Hilltop	No casing. Water in quicksand from 100 to 110 feet. Another stratum re-
6	1	101.4	July 29, 1938	C, W	D, S	Gentle slope	No casing; reported below 150 feet. Sand point in bottom.
7	1	89.9	July 19, 1938	C, W	D, S, I	do.	No casing. Located near dirt tank.
8	1.2	75	do.	C, W	D, S, Ind	Flat	Iron casing. Supplies cotton gin. Water level questionable.
9	0.5	89.5	July 29, 1938	C, W	D, S, I	Near sink	No casing. Irrigates small garden.
10	0	91.1	do.	C, W	D, S	Sandy slope	Iron casing at bottom.
11	0.5	77.8	July 19, 1938	C, W	D, S, I	Hilltop	No casing. Reported strong supply. Irrigates small garden.
12	0.5	79.0	July 29, 1938	C, W	D, S, I	Near sink	13 feet of iron casing at bottom. Irrigates small garden.
13	0.5	89.7	do.	C, W	D, S, I	Gentle slope	Irrigates garden.
14	--	--	--	C, W	D, P, I	Flat	One joint of iron casing at bottom. Irrigates garden.
15	1	95.1	July 27, 1938	C, W	D, S, I	Sand dunes	Iron casing. Irrigates garden.
16	--	--	--	None	N	--	Oil test. See log.
17	--	--	--	C, W	D, S, I	Near lake	Irrigates garden.
18	0.6	118.5	June 21, 1938	C, W	D, S, I	Gentle slope	Do.
19	1	51	July 28, 1938	C, W	D, S	Hilltop	3 feet of iron casing at top. Water level questionable.
20	0.5	89.5	July 29, 1938	C, W	D, S, I	In sink	Irrigates garden.
21	1	79.5	do.	C, W	S	Near lake	
22	0.6	89.1	do.	C, W	D, S	do.	No casing. Reported strong supply.
23	--	89.2	do.	C, W	S	Hilltop	One joint of iron casing at bottom.
24	--	20	<u>e/</u>	None	N	Valley flat	No casing; plugged. Located in Lynn County. See partial log.

a/ , public; Ind, industrial; I, irrigation; D, domestic; S, stock; N, not used.  
b/ o water sample collected for analysis.  
e/ ater level reported.

## Records of wells and springs in Dawson County--Continued

No.	Distance from Lamona	Section	Township, block, survey or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
25	16 miles north	6, NW $\frac{1}{4}$ NE $\frac{1}{2}$	T.L. & R.R.R.R., blk. H	-- Chem. Co.	--	1937	30	--
26	14 miles north	27, SE $\frac{1}{4}$ SE $\frac{1}{2}$	Public S. L., blk. C-41	Grandview School	Porter & Gilbert	1928	76	--
27	13 miles north	9, NE $\frac{1}{4}$ NW $\frac{1}{2}$	T. 7 N., blk. 35	S. T. Jeffries	--	--	34	8
d/ 28	9 $\frac{1}{2}$ miles north	27, NW $\frac{1}{4}$ NW $\frac{1}{2}$	T. 7 N., blk. 35	D. L. Adcock	Mack Hancock	1925	140	--
29	8 miles north	29, SE $\frac{1}{4}$ SW $\frac{1}{2}$	do.	do.	Adcock & Dalmont	1934	62	6
d/ 30	do.	do.	do.	do.	do.	--	140	--
31	11 miles north	12, SE $\frac{1}{4}$ SE $\frac{1}{2}$	T. 7 N., blk. 35	G. F. Burleson	--	--	55	5
32	13 $\frac{1}{2}$ miles north	33, SW $\frac{1}{4}$ SE $\frac{1}{2}$	Public S. L., blk. C-41	W. H. Heinen	--	1926	107	5-3/16
33	16 miles north	4, NE $\frac{1}{4}$ NE $\frac{1}{2}$	E.L. & R.R.R.R., blk. E	W. P. Moore	Charlie Miller	1932	205	5-5/16
34	15 miles north	1, SE $\frac{1}{4}$ NW $\frac{1}{2}$	do.	L. L. Huddleston	--	1925	225	5
d/ 35	17 miles north	52, SW $\frac{1}{4}$ SW $\frac{1}{2}$	E.L. & R.R.R.R., blk. G	City of O'Donnell	Walter Henderson	1937	376	10
36	15 miles north	36, NE $\frac{1}{4}$ SE $\frac{1}{2}$	Public S. L., blk. C-41	Mrs. M. V. A. Smith	--	1919	115	5
37	do.	39, SE $\frac{1}{4}$ NW $\frac{1}{2}$	do.	State Highway Dept.	--	--	40	--
38	13 $\frac{3}{8}$ miles north	107, SE $\frac{1}{4}$ NW $\frac{1}{2}$	T. 7 N., blk. 34	J. A. E. Gary	--	1913	191	6
d/ 39	12 miles north	3, NW $\frac{1}{4}$ SE $\frac{1}{2}$	do.	G. H. Greenlee	--	1935	144	6
40	do.	5, SW $\frac{1}{4}$ SW $\frac{1}{2}$	do.	Mrs. Artie Edwards	--	--	40	5
41	11 $\frac{1}{2}$ miles north	2, SE $\frac{1}{4}$ NW $\frac{1}{2}$	do.	V. B. Hohn	--	--	60	6
42	11 miles north	1, NE $\frac{1}{4}$ SE $\frac{1}{2}$	do.	Joe Snellgrove	--	--	43	6
d/ 43	8 $\frac{1}{2}$ miles north	13, NW $\frac{1}{4}$ SE $\frac{1}{2}$	T. 6 N., blk. 35	Herbert Green	--	1928	52	5
44	9 $\frac{1}{2}$ miles northeast	17, NE $\frac{1}{4}$ NW $\frac{1}{2}$	T. 6 N., blk. 34	R. T. Dopson, et al.	Mack Hancock	1921	150	--
45	12 miles northeast	11, SW $\frac{1}{4}$ SW $\frac{1}{2}$	do.	J. E. Hackleman	Pounds & Taylor	1936	147	5
46	13 $\frac{1}{2}$ miles northeast	2, NW $\frac{1}{4}$ NE $\frac{1}{2}$	J. Poitevent, blk. 2	B. Evans Est.	--	--	Spring	--
d/ 47	14 $\frac{1}{2}$ miles northeast	11, NE $\frac{1}{4}$ SW $\frac{1}{2}$	H.E. & W.T.R.R., blk. 34	Fannie M. Davis	-- Best	1916	354	--
48	16 $\frac{1}{2}$ miles northeast	16, SE $\frac{1}{4}$ SE $\frac{1}{2}$	T. 7 N., blk. 33	J. T. Hooten	--	--	9	36
49	18 $\frac{1}{2}$ miles northeast	4, SW $\frac{1}{4}$ NW $\frac{1}{2}$	blk. CC-41	L. F. Southerland	--	--	119	5

## J. C. Cumley

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
25	--	--	--	--	Ind	Valley flat	Several dug and drilled wells furnish brine to chemical plant. Located in
26	--	65	e/	C,W	P	Gentle slope	No casing. Supplies <u>Lynn County.</u> community with water.
27	1	31.1	July 28, 1938	C,W	S	Near sink	4 feet of tinned casing at top.
28	--	60	e/	None	N	do.	Covered with dirt. Reported highly mineralized.
29	0.5	36.6	Aug. 2, 1938	C,W	S	Between sinks	One joint of perforated, tinned casing at bottom. Reported weak supply.
30	--	--	--	None	N	do.	Reported 40 feet southeast of well 137; not located. Reported salty.
31	3	33.2	July 28, 1938	C,H	D	In draw	Iron casing.
32	1	107	do.	C,W	D,S	Gentle slope	One joint of perforated casing at bottom. Water in sand below 106 feet.
33	0	100	July 29, 1938	C,W	S	do.	60 feet of iron casing at top. Water in gravel and sand, 200 to 206 feet.
34	0.4	114.6	do.	C,W	S	Hillside	Estimated <u>Water level questionable.</u> yield, 2 gallons a minute.
35	1	52.3	June 29, 1938	None	N	Flat	Surface casing, 10-inch with 260 feet of 7-inch steel casing. Water in limestone, 80 to 100 feet. Located
36	0.3	52.3	July 28, 1938	C,W	S	Gentle slope	5 feet of iron <u>in Lynn County.</u> casing at top. Supplies 35 to 40
37	2	46.8	July 14, 1938	None	N	Flat	No casing. <u>head of cattle.</u>
38	0.6	60.1	July 1, 1938	C,W	D,S	Near sink	101 feet of 6-inch galvanized and 90 feet of 6-inch open-end perforated casing. Cased off salt water at 180
39	2	79.5	do.	C,W	N	Gentle slope	Reported highly mineralized. <u>feet.</u>
40	4	47.5	July 28, 1938	C,W	D,S	Near sink	Water level questionable.
41	0.6	48.5	July 1, 1938	C,W	S	Hilltop	Estimated yield, $1\frac{1}{2}$ gallons a minute. Water level measured while pumping.
42	1	25.2	do.	C,W	D,S	In sink	Iron casing.
43	0.6	41.9	July 14, 1938	None	N	Rolling	Do.
44	--	135	e/	C,W	D,S,I	Gentle slope	No casing. Irrigates garden. Reported strong supply.
45	--	130	e/	C,W	D,S	Near sink	Iron casing. Reported weak supply.
46	--	Flows	June 29, 1938	None	S	Creek bed	Estimated yield, 3 gallons a minute from one enlarged opening in limestone. Known as Turner Spring.
47	--	--	--	None	N	Near sink	No casing; plugged. Reported "Red Beds", 175 to 354 feet.
48	1	71.1	July 22, 1938	B,H	D,S	Flat	Dug well; no casing. Reported weak supply.
49	3	89.5	do.	C,W	D,S	Near sink	Iron casing. Reported strong supply.

Records of wells and springs in Dawson County--Continued

No.	Distance from Lamasa	Section	Township, block, survey or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
50	20 miles northeast	6, NE $\frac{1}{2}$ SW $\frac{1}{4}$	blk. CC-41	G. C. Aten	--	--	55	36
51	19 miles northeast	2, SW $\frac{1}{4}$ SE $\frac{1}{4}$	T. 7 N., blk. 33	R. E. Austin	Ed. Heller	1913	65	--
52	17 miles northeast	6, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Harmony School	--	1937	55	--
53	14 $\frac{1}{2}$ miles northeast	6, NW $\frac{1}{4}$ NW $\frac{1}{4}$	J. Poitevent, blk. 2	Dela S. Wright	--	1913	50	36
d/ 54	do.	7, NE $\frac{1}{2}$ NE $\frac{1}{4}$	J. Poitevent, blk. 1	do.	--	--	100	4 $\frac{1}{2}$
55	do.	7, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	--	1926	40	30
56	14 miles northeast	18, SE $\frac{1}{2}$ NE $\frac{1}{2}$	do.	do.	--	1923	84	4 $\frac{1}{2}$
d/ 57	14 $\frac{1}{2}$ miles northeast	17, NE $\frac{1}{2}$ SW $\frac{1}{4}$	do.	do.	--	1928	60	4 $\frac{1}{2}$
d/ 58	15 miles northeast	16, NE $\frac{1}{2}$ SW $\frac{1}{4}$	do.	G. G. Wright et ux	Robt. R. Penn	1927	4,155	8 $\frac{1}{4}$
59	18 miles northeast	13, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Carrie S. Dean	Walter Henderson	1938	63	4 $\frac{1}{8}$
d/ 60	17 $\frac{1}{2}$ miles northeast	14, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	--	--	31	10
d/ 61	do.	14, NW $\frac{1}{2}$ SE $\frac{1}{4}$	do.	do.	--	--	19	--
62	do.	14, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	Walter Henderson	1938	34	--
63	do.	24, NW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	do.	do.	1938	40	--
63a	17 miles northeast	26, NE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	do.	--	--	Tank	--
d/ 64	do.	26, SE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	do.	-- Best	1934	115	--
d/ 65	16 $\frac{1}{2}$ miles northeast	35, NW $\frac{1}{2}$ SE $\frac{1}{4}$	do.	do.	do.	1934	115	--
65a	15 miles northeast	34, NE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	do.	--	--	Tank	--
d/ 66	15 miles northeast	3+, SW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	do.	-- Best	1934	100+	--
d/ 67	14 miles northeast	32, NE $\frac{1}{2}$ NE $\frac{1}{4}$	do.	do.	do.	1934	100	--
d/ 68	13 miles northeast	31, NE $\frac{1}{2}$ NE $\frac{1}{4}$	do.	do.	do.	1934	115	--
d/ 69	12 $\frac{1}{2}$ miles northeast	31, SW $\frac{1}{2}$ NE $\frac{1}{4}$	do.	do.	do.	1934	115	--
69a	do.	31, NE $\frac{1}{2}$ SW $\frac{1}{4}$	do.	do.	--	--	Tank	--
d/ 70	13 $\frac{1}{2}$ miles northeast	41, NE $\frac{1}{2}$ NW $\frac{1}{4}$	do.	do.	-- Best	1934	100	--
d/ 71	14 miles east	4, NW $\frac{1}{2}$ NW $\frac{1}{4}$	T. 5 N., blk. 33	do.	-- Pounds	1937	128	--
d/ 72	13 miles east	5, SW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	do.	do.	1937	125	--

J. C. Cumley

No.	Height of measuring point above ground (ft.) <u>a</u> /	Water level		Pump and power b	Use of water <u>e</u> /	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
50	1.5	53.9	July 22, 1938	C	S	Gentle slope	No casing. Water level measured while pumping $\frac{1}{4}$ gallon a minute.
51	1	56	do.	C	D,S,I	Near lake	No casing. Water level measured while pumping $\frac{1}{2}$ gallon a minute.
52	0.5	38.9	do.	C	P	Slope	
53	1.5	24.9	July 6, 1938	C,W	N	Bottom of draw	Dug well. Wood casing, 0 to 56 feet. Reported weak supply.
54	0	95.9	do.	None	N	Near scarp	Steel casing.
55	0.8	40.9	do.	C,W	D,S	Slope	Dug well. Galvanized casing, 0 to 40 feet. Reported weak supply.
56	0.8	81.2	do.	C,W,G, --	S	do.	Water level measured while pumping about 3 gallons a minute. Located at base of scarp.
57	0.6	57.8	do.	None	N	do.	Reported weak supply. Located at base of scarp.
58	--	--	--	None	N	--	Oil test. See log.
59	--	47	<u>e</u> /	C,W	S	Flat	One joint of perforated casing at bottom. Water in yellow limestone,
60	--	--	--	None	N	Rolling	Obstructed at $31\frac{1}{2}$ feet; dry. 5 feet of wood casing at
61	--	--	--	None	N	do.	Obstructed at $19\frac{1}{2}$ feet; dry. Concrete curb; no casing. top.
62	0	31.5	Aug. 2, 1938	None	N	do.	Water in yellow limestone, 57 to 60 feet.
63	0	34.9	do.	None	N	do.	No casing.
63a	--	--	do.	None	S	In draw	Artificial lake. Dam 150 feet long and 8 feet high. Surface area 5 acres. Located below "Cap rock".
64	--	100	<u>e</u> /	None	N	Creek bottoms	No casing. Reported strong supply of salty water.
65	--	100	<u>e</u> /	None	N	Flat	Do.
65a	--	--	Aug. 2, 1938	None	S	In draw	Artificial lake. Dam 115 feet long and 6 feet high. Surface area, 1
66	--	90	<u>e</u> /	None	N	Creek bottoms	No casing. Reported salty water. acre.
67	--	90	<u>e</u> /	None	N	do.	No casing. Reported weak supply.
68	--	100	<u>e</u> /	None	N	Flat	Do.
69	--	100	<u>e</u> /	None	N	Slope	No casing. Reported weak supply. Obstructed at 2 feet.
69a	--	--	Aug. 2, 1938	None	S	In draw	Artificial lake. Surface area about 3 acres.
70	--	90	<u>e</u> /	None	N	Flat	No casing.
71	--	--	--	None	N	do.	No casing. Dry when visited June 20, 1938.
72	--	--	--	None	N	do.	Do.



## Records of wells and springs in Dawson County--Continued

No.	Distance from Lamesa	Section	Township, block, survey or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
d/ 73	14 $\frac{1}{2}$ miles east	21, NW $\frac{1}{4}$ NE $\frac{1}{4}$	T. 5 N., blk. 33	Dan T. Whatley	--	--	130	6
d/ 74	15 $\frac{1}{2}$ miles east	27, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	-- Burns Est.	Lamesa Oil & Gas Co.	1919	2,400	10
75	14 miles east	32, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Dan T. Whatley	--	--	29	36
76	13 $\frac{1}{2}$ miles east	20, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	J. T. Southard	--	--	75	7
d/ 77	12 $\frac{1}{2}$ miles east	18, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	First Trust Joint Stock Land Bank	Walter Henderson	1924	160	--
78	11 miles east	24, NW $\frac{1}{4}$ NW $\frac{1}{4}$	T. 5 N., blk. 34	T. W. Langham	Dud Bolden	1928	142	10
79	9 miles east	21, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Key School	--	--	132+	6
80	do.	10, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	W. E. Hawkins	--	Old	129	6
81	9 $\frac{1}{2}$ miles east	10, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Carrie S. Dean	--	Old	132	--
82	10 miles east	11, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	--	--	132	8
83	11 $\frac{1}{2}$ miles east	1, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	Walter Henderson	1937	100	6
d/ 84	do.	1, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	do.	1938	108	4 $\frac{1}{2}$
85	do.	1, S $\frac{1}{2}$ NE $\frac{1}{4}$	do.	do.	do.	1938	60	--
d/ 86	11 miles east	1, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	do.	1936	90	--
d/ 87	do.	do.	do.	do.	do.	1936	90	--
88	10 $\frac{1}{2}$ miles east	2, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	do.	1937	140	--
d/ 89	do.	2, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	do.	1937	115	--
90	9 $\frac{1}{2}$ miles east	3, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	Dud Bolden	1927	120	--
91	do.	3, SE $\frac{1}{4}$ SE $\frac{1}{4}$	T. T. R. R., blk. 2	do.	do.	1923	90	--
92	11 miles northeast	26, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	-- Henderson	1934	150	4 $\frac{1}{2}$
93	9 miles northeast	9, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	do.	1938	150	7
d/ 94	8 $\frac{1}{2}$ miles northeast	33, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	--	1880	131	4
95	8 miles northeast	19, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Hancock School	--	1925	128	7
96	6 $\frac{1}{2}$ miles east	5, NW $\frac{1}{4}$ SW $\frac{1}{4}$	T. 5 N., blk. 34	D. F. Southard	--	1918	140	--
97	do.	19, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	R. B. Hoffman	--	1920	109	1
98	4 $\frac{1}{2}$ miles east	1, SW $\frac{1}{4}$ SW $\frac{1}{4}$	T. 5 N., blk. 35	McCarty School	--	1905	120	--
99	2 $\frac{3}{4}$ miles east	3, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	B. L. King	Jess Hennington	1903	109	6

J. C. Cumley

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
73	0.6	97.6	June 30, 1938	None	N	Slope	Iron casing.
74	--	--	--	None	N	--	Oil test. See log.
75	0.3	18.8	July 12, 1938	C,W	D	Near draw	Dug well. Wood curb; rock casing. Water level measured while pumping $\frac{1}{4}$
76	1	65.1	June 30, 1938	C,W	S	Slope	Iron casing. <u>gallon a minute.</u>
77	--	--	--	None	N	Near scarp	No casing; plugged. Reported struck "Red Beds" at 160 feet.
78	0.8	134.9	June 20, 1938	C,W	D,S,I	Ridge-top	Iron casing. Irrigates garden.
79	0.3	129.1	June 30, 1938	C,W	P	Gentle slope	Iron casing.
80	0.8	118.1	June 16, 1938	C,W	D,S,I	Flat	Irrigates garden.
81	--	110.2	June 23, 1938	C,W	S	do.	Located on Farm 1.
82	--	--	--	C,W	D,S	Rolling	Concrete pipe at top. Located on Farm 2.
83	0.6	84.2	June 23, 1938	C,W	S	Slope	60 feet of 6-inch iron casing at bottom. Water level measured while
84	--	101	e/	C,-	S	do.	Water in sand, 102 to 108 <u>pumping.</u> feet. Drilled with cable tools.
85	0.8	57.3	June 23, 1938	C,W	S	do.	Water level measured while pumping $\frac{1}{2}$ gallon a minute.
86	0	68	June 26, 1938	None	N	do.	No casing. Reported weak supply.
87	0	68.2	do.	None	N	do.	Do.
88	0	137.2	June 23, 1938	C,W	S	Near scarp	Water level measured while pumping slightly.
89	0	100.2	do.	None	N	do.	No casing. Reported weak supply. Struck "Red Beds" at 144 feet.
90	--	--	--	C,E, $\frac{3}{4}$	--	do.	
91	--	--	--	C,W,C, --	D,S	Creek bottoms	
92	--	130.5	June 23, 1938	C,W	S	Flat	Iron casing. Water level measured while pumping slightly.
93	0.6	123.8	do.	C,N	S	Hill-side	41 feet of iron casing at bottom.
94	0	123	do.	None	N	Gentle slope	Iron casing. Reported strong supply of mineralized water.
95	0.5	108.4	July 22, 1938	C,W	P	Near lake	Two joints of iron casing at bottom.
96	--	--	--	C,W	D,S,I	Flat	
97	3	107.1	June 13, 1938	C,W	D,S	Creek bottoms	Iron casing, top to bottom. Water level measured while pumping about 2
98	--	100	e/	C,W	P	Near sink	<u>gallons a minute.</u>
99	0.8	103.4	June 17, 1938	C,W	D,S,I	Flat	Iron casing. Reported strong supply.

## Records of wells and springs in Dawson County--Continued

No.	Distance from Lamesa	Section	Township, block, survey or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
100	3 miles northeast	5, SW $\frac{1}{4}$ SW $\frac{1}{4}$	T. 6 N., blk. 35	T. A. Miller	--	Old	107	5
101	4 miles northeast	3, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	F. King	Creed Ray	1918	150	22
102	4 $\frac{3}{4}$ miles northeast	6, SE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	G. C. Hardesty	Henderson & Jordan	1916	118	6
103	6 $\frac{1}{2}$ miles northeast	11, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	F. M. Weaver Est.	Mack Hancock	1929	107	6
104	6 miles northeast	12, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Beckham Bros.	--	1926	156	--
105	do.	11, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Kiesling-McBride Gin Co.	Walter Henderson	1937	148	6
d/106	7 miles north	14, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Bill White	--	--	138	6
107	6 $\frac{1}{2}$ miles north	13, SE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	Gus White	Walter Henderson	1936	95	5
108	do.	do.	do.	do.	do.	1932	113	6
109	do.	64, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Alice Banta	-- Bird	1919	125	5
110	5 $\frac{1}{2}$ miles north	4, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	S. E. Etheridge	Bird & Flowers	1924	114	6
111	4 $\frac{3}{4}$ miles north	38, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	W. Williams	--	Old	132	5
112	2 $\frac{3}{4}$ miles north	41, SE $\frac{1}{2}$ NE $\frac{1}{4}$	do.	W. J. Cox	--	1929	110	4
113	2 miles north	44, NE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	Ralph Grant	--	--	110	6
d/114	1 $\frac{3}{4}$ miles north	44, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	A. Gable	--	Old	98	6
115	1 $\frac{1}{2}$ miles north	71, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	P. & S.F.R.R.	P. & S.F.R.R.	--	133	10
116	$\frac{1}{2}$ mile north	71, SE $\frac{1}{2}$ SW $\frac{1}{4}$	do.	J. E. Garland	Walter Henderson	1929	122	6
d/117	In Lamesa	6, SE $\frac{1}{2}$ NE $\frac{1}{4}$	T. 5 N., blk. 35	J. C. Baker	--	Old	122	6
118	do.	6, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	City of Lamesa	Porter Gilbert	1923	300	10
d/119	do.	do.	do.	do.	do.	1923	300	10
d/120	do.	6, SW $\frac{1}{2}$ SE $\frac{1}{4}$	do.	P. & S.F.R.R.	--	Old	226	10
d/121	do.	6, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	C. H. McCormick	--	Old	112	6
122	do.	1, SE $\frac{1}{2}$ NW $\frac{1}{4}$	T. 5 N., blk. 36	City of Lamesa	-- Lyles	1929	145	12
123	do.	1, NE $\frac{1}{2}$ SW $\frac{1}{4}$	do.	do.	Air-Made Well Co.	1929	145	10
124	do.	do.	do.	do.	Walter Henderson	1937	150	10
d/125	do.	do.	do.	do.	--	1927	80	70
126	do.	do.	do.	do.	Air-Made Well Co.	1929	145	10

J. C. Cumley

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
100	0.2	98	June 18, 1938	C,W	D,S	Near draw	Water level questionable.
101	0.5	123.3	Aug. 1, 1938	None	N	Flat	Casing, 0 to 140 feet. Drilled as irrigation well.
102	0.6	100	June 17, 1938	C,W	D,S,I	do.	Iron casing. Irrigates garden. Water level questionable.
103	0.8	90.1	July 14, 1938	C,W	D,S	Near sink	Water level measured while pumping about $\frac{1}{2}$ gallon a minute.
104	--	98+	June 3, 1938	C,W	D,S	Flat	Obstructed at 98 feet.
105	1.2	137.1	July 14, 1938	C,W	D,S	do.	Iron casing. Reported water at 141 to 154 feet.
106	0	121.1	do.	None	N	Near sink	No casing.
107	6	89.8	do.	C,W	D,S	In sink	One joint of perforated iron casing at bottom.
108	1	103.5	do.	C,W	D,S	Near lake	No casing.
109	--	115	e/	C,W	D,S, P,I	Hilltop	115 feet of 5-inch perforated casing. Supplies Woody School.
110	1.5	98	June 21, 1938	C,W	D,S,I	Flat	Irrigates garden. Water level questionable.
111	0.5	105	June 22, 1938	C,W	D,S,I	Hillside	Do.
112	--	90	e/	C,W	D,S,I	Flat	Iron casing at bottom. Irrigates garden. Water in sand, 100 to 110 feet.
113	0.5	104.2	July 14, 1938	C,W	D,S	Ridge-top	Iron casing. feet.
114	0.3	89.9	do.	C,W	S	Near sink	Galvanized casing.
115	0.3	105.8	do.	C,W	S	Gentle slope	Iron casing.
116	0.8	90.4	July 13, 1938	C,H	D,S	Near lake	Two joints of iron casing at bottom.
117	0.3	97.7	do.	None	N	Gentle slope	Wood curb; iron casing.
118	--	--	--	T,E, 15	P	Flat	Reported yield, 125 gallons a minute. Water in honey-comb rock, 190 to 200 feet. Struck "Red Beds" at 201 feet.
119	1	119.8	July 26, 1938	None	N	do.	Located 90 feet east of well 118. See log.
120	1	92.9	July 13, 1938	None	N	do.	Iron casing. See log.
121	0.5	103.1	do.	None	N	Ridge-top	Iron casing. Located at 802 North 4th Street.
122	0.3	89.2	do.	T,E, --	P	In draw	Water level measured while pumping about 130 gallons a minute.
123	--	--	--	T,E, 15	P	do.	Reported yield, 95 gallons a minute. Reported carload of gravel placed at bottom.
124	--	80	e/	T,E, 15	P	do.	Reported yield, 70 gallons a minute. Struck "Red Beds" at 150 feet.
125	0.1	73.3	July 26, 1938	None	N	do.	Dug well. Brick curb feet. See log. and casing.
126	--	--	--	T,E, 15	P	do.	Reported yield, 150 gallons a minute. Reported carload of gravel placed at bottom.

## Records of wells and springs in Dawson County--Continued

No.	Distance from Lamesa	Section	Township, block, survey or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
127	1 $\frac{1}{2}$ miles northwest	72, NW $\frac{1}{4}$ SW $\frac{1}{4}$	T. 6 N., blk. 35	F. M. Weaver Est.	Mack Hancock	1930	61	4 $\frac{1}{2}$
128	2 $\frac{1}{2}$ miles northwest	68, NE $\frac{1}{4}$ SE $\frac{1}{4}$	E.L.& R.R.R.R., blk. M	do.	--	1930	100	6
129	2 miles northwest	67, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	-- Rush	1932	101	6
130	3 $\frac{1}{2}$ miles northwest	66, NE $\frac{1}{4}$ NE $\frac{1}{4}$	T. 6 N., blk. 35	Ruby Davis	--	1923	107	5
131	8 $\frac{1}{2}$ miles northwest	6, NW $\frac{1}{4}$ NW $\frac{1}{4}$	E.L.& R.R.R.R., blk. M	Bartlett School	--	--	94	--
132	6 miles northwest	2, NE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Mrs. K. W. Rose	--	Old	87	--
133	do.	2, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	do.	W. B. Marshall	1931	70	6
134	5 $\frac{1}{2}$ miles northwest	5, NE $\frac{1}{4}$ NW $\frac{1}{4}$	D. L. Cunningham, blk. 2	do.	Jud Miles	1934	143	8
135	do.	4, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	E. R. Marshall	1936	117	6
136	3 miles west	70, NW $\frac{1}{4}$ SE $\frac{1}{4}$	E.L.& R.R.R.R., blk. M	F. M. Weaver Est.	-- Best	1930	115	--
137	2 $\frac{3}{4}$ miles west	3, NE $\frac{1}{4}$ NE $\frac{1}{4}$	T. 5 N., blk. 36	H. E. Thruston	--	Old	90	--
138	4 $\frac{1}{2}$ miles west	2, SW $\frac{1}{4}$ SE $\frac{1}{4}$	D. L. Cunningham, blk. 2	F. M. Weaver Est.	Mack Hancock	1929	110	6
139	4 miles west	1, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Mrs. F. M. Weaver	--	1930	120	5
140	4 $\frac{3}{4}$ miles west	5, NE $\frac{1}{4}$ NE $\frac{1}{4}$	T. 5 N., blk. 36	Federal Life Ins. Co.	--	Old	150	4
141	6 miles west	NW $\frac{1}{4}$ SE $\frac{1}{4}$	Taylor C.S.L., lge. 1	F. M. Weaver Est.	--	1905	115	6
142	do.	do.	do.	do.	--	1905	125	6
143	8 miles west	do.	Taylor C.S.L., lge. 2	do.	Pounds & Taylor	1936	121	5
d/ 144	9 miles west	23, NW $\frac{1}{4}$ SE $\frac{1}{4}$	Taylor C.S.L., lge. 4	L. S. Munger	Porter Gilbert	--	500	--
145	do.	12, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Munger School	-- Nordike	1923	120	6
146	10 miles northwest	42, NW $\frac{1}{4}$ NW $\frac{1}{4}$	E.L.& R.R.R.R., blk. M	F. A. Youngblood	--	Old	114	5
147	13 miles northwest	62, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	C. A. Barron	--	1902	100	--
d/ 148	14 miles northwest	80, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	J. A. Minier	--	1902	100	--
d/ 149	15 miles northwest	93, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Thornton Lomax, Jr.	-- Seismograph Co.	--	270	--
d/ 150	16 $\frac{1}{2}$ miles west	123, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	G. F. Pool, et al	C. A. Barron	1938	230	--
d/ 151	14 $\frac{1}{2}$ miles west	109, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	W. A. Lindsey	James Taylor	1938	190	--
152	15 miles west	110, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	A. Sandidge	W. E. Taylor	1937	220	--

J. C. Cumley

No.	Height of water level		Date of measurement	Pump and power	Use of water	Topographic situation	Remarks
	measuring point above ground (ft.) a/	Depth below measuring point (ft.)					
127	1	54.9	June 29, 1938	C,W	D,S	In draw	Water level measured while pumping about 1 gallon a minute.
128	--	--	--	C,W	S	do.	Iron casing. Reported strong supply in gravel and sand.
129	0.7	93.9	June 27, 1938	C,W	S	Flat	Iron casing; bottom joint perforated. Reported strong supply in gravel and sand.
130	0.5	94.9	June 21, 1938	C,W	D,S,I	Gentle slope	Reported has irrigated garden for 13 years.
131	0.2	93.1	July 18, 1938	C,W	D,S,P	Hill-side	
132	--	--	--	C,W	S	In draw	One of five wells at same location.
133	1.5	68.3	June 26, 1938	C,W	S	do.	Iron casing; bottom joint perforated.
134	--	70	e/	C,W,G	D,S,I	Hill-side	Irrigates 2 acre garden. Water in gravel, 110 to 143 feet. "Red Beds"
135	--	--	--	C,W	D,S	Near sink	Iron casing; bottom joint perforated. below 143 feet.
136	--	--	--	C,W	S	Flat	Water in gravel and sand.
137	--	80	e/	C,W	D,S,I	Hill-side	Iron casing; bottom joint perforated.
138	--	--	--	C,W	S	Near sink	Do.
139	--	--	--	C,W	D,S	Near draw	Do.
140	--	145	e/	C,W	D,S,I	Gentle slope	Irrigates garden.
141	--	95	e/	C,W	D,S	Flat	Iron casing; bottom joint perforated. Reported weak supply.
142	--	115	e/	C,W	S	In sink	Iron casing; bottom joint perforated. Reported strong supply.
143	--	103	e/	C,W	S	Gentle slope	Do.
144	--	--	--	--	--	Sand dunes	Water in gravel, 100 to 111 feet. Struck "Red Beds" at 111 feet. In
145	--	110	e/	C,W	D,P	do.	Located in Labor 12 Labor 23. at Mungerville.
146	--	--	--	C,W	D,S,I	Near lake	Irrigates garden.
147	--	88	e/	C,W,G	D,S,I	Hilltop	Reported yield, 3 gallons a minute.
148	--	85	e/	None	N	Near dunes	Reported yield when used, 5 gallons a minute.
149	--	--	--	None	N	Sand dunes	Dry. Reported did not reach "Red Beds".
150	--	165	e/	None	N	do.	Reported weak supply at 200 feet. Struck "Red Beds" at 230 feet. Locat-
151	--	150	e/	None	N	do.	Reported yield, $1\frac{1}{2}$ gallons a minute. Originally drilled to 231 feet; struck "Red Beds"
152	0.5	170.1	July 21, 1938	None	N	do.	No casing. Reported yield, $\frac{1}{2}$ gallon a minute from white sand, 200 to 220 feet. Struck "Red Beds" at 230 feet.

Records of wells and springs in Dawson County--Continued

No.	Distance from Iamesa	Section	Township, block, survey or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
d/153	12½ miles northwest	75, SW¼SE¼	E.L.& R.R.R.R., blk. M	C. A. Barron	W. Henderson	1928	83	--
154	11½ miles northwest	77, NE¼NE¼	do.	J. A. Richardson	--	Old	130	---
155	11 miles west	6, NW¼SE¼	D. L. Cunningham, blk. 3	G. R. Kite	--	--	143	--
156	10 miles west	31, NE¼NE¼	Taylor C.S.L., lge. 4	H. L. Spruill	-- Nordike	1924	111	4½
157	12½ miles west	104, SW¼NE¼	E.L.& R.R.R.R., blk. M	Amicable Life Ins. Co.	--	--	96	5
158	12 miles west	99, SW¼SW¼	do.	G. T. Hall	-- Speck	1938	100	--
159	14 miles west	129, SW¼SW¼	do.	Mrs. F. M. Weaver	Bill Marshall	1933	125	5
160	14½ miles west	133, NW¼NW¼	do.	W. L. Lee	-- Hester	1930	118	--
d/161	13½ miles west	131, NE¼NW¼	do.	Sunset School	-- Prescott	1926	69	--
162	15 miles southwest	6, SW¼SE¼	Hutchinson C.S.L., lge. 280	L. F. McGee	--	--	97	--
163	12½ miles southwest	75, SW¼SE¼	Hutchinson C.S.L., lge. 279	Amicable Life Ins Co.	--	--	110	5
164	10½ miles west	18, NE¼NE¼	Glasscock C.S.L., lge. 278	Higginbotham & Harris	--	Old	120	6
165	9½ miles west	SW¼SW¼	Taylor C.S.L., lge. 2	Mrs. F. M. Weaver	Clyde Birdwell	1929	121	5
166	9 miles west	SW¼SW¼	do.	do.	Hardy Morgan	1898	74	--
167	8½ miles west	SE¼SW¼	do.	do.	Pounds & Taylor	1937	107	5
168	do.	5, NE¼NE¼	W. H. Godair, blk. 1	Higginbotham & Harris	--	1924	100	6
169	10 miles southwest	2, NE¼NE¼	Loving C.S.L., lge. 275	do.	--	--	110	--
170	8 miles southwest	84, SE¼SE¼	Glasscock C.S.L., lge. 277	Union School	-- Taylor	1937	109	5
171	6½ miles west	1, NE¼NE¼	W. H. Godair, blk. 1	F. L. Buckalew	Pounds & Taylor	1932	98	--
172	5½ miles west	6, NW¼NE¼	T. 5 N., blk. 36	F. M. Weaver Est.	--	1930	90	6
173	5 miles west	8, NW¼NW¼	do.	do.	Clyde Birdwell	1931	108	4½
174	6 miles southwest	18, NW¼NE¼	do.	do.	do.	1931	135	--
175	8 miles southwest	23, NE¼NE¼	Glasscock C.S.L., lge. 276	J. C. Tyner	--	1923	110	--
176	6½ miles southwest	32, NW¼NE¼	T. 5 N., blk. 36	Mrs. W. A. Lindsey	--	Old	122	--
177	5½ miles southwest	20, NW¼NE¼	do.	F. M. Weaver Est.	Mack Hancock	1930	110	--

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

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No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
153	--	71	e/	C,W,G --	S	Near dunes	Reported strong supply.
154	--	--	--	C,W,G --	D,S	Near sink	
155	1	131	July 27, 1938	C,W	S	Hilltop	No casing. Water level questionable.
156	--	35	e/	C,W,G --	D,S,I	Flat	Irrigates garden. Water in sand, 98 to 116 feet. In Labor 31.
157	2	88.9	July 30, 1938	C,W	S	Near lake	Iron casing.
158	1.3	80.8	do.	C,W	D,S,I	Near sink	No casing. Irrigates garden.
159	--	--	--	C,W	S	Flat	Iron casing; bottom joint perforated. Reported five other wells near
160	--	70	e/	C,W	D,S	Rolling	Reported this location were dry. strong supply.
161	0.8	31.8	June 13, 1938	C,W	P	Sandy slope	Located at Sand.
162	0.5	86.1	July 26, 1938	C,W	D,S	Hilltop	Reported strong supply. In Labor 6.
163	--	95	e/	C,W	D,S	do.	20 feet of iron casing at bottom. Reported weak supply. In Labor 75.
164	--	--	--	C,W	S,I	Ridge-top	No casing. In Labor 18.
165	--	--	--	C,W	S	Near sink	Water in sand and clay.
166	4	54.2	June 30, 1938	C,W	S	In sink	Dug well. Concrete curb; no casing. Estimated yield, 3 gallons a minute.
167	1	101.9	do.	C,W	D,S	Hilltop	Water level measured while pumping 2 gallons a minute.
168	--	--	--	C,W	D,S,I	Near sink	Iron casing.
169	0.6	94.3	July 26, 1938	C,W	D,S,I	Hilltop	Water level measured while pumping about 1 gallon a minute. In Labor 2.
170	--	--	--	C,W	P	Gentle slope	Water in sand, 103 to 109 feet. In Labor 84.
171	1	84	June 3, 1938	C,W	S,I	do.	No casing. Water level questionable.
172	1	83.5	June 30, 1938	C,W	S	Near sink	Iron casing; bottom joint perforated. Water level measured while pumping about 2 gallons a minute.
173	1	85.5	do.	C,W	S	Near draw	Do.
174	--	81+	June 24, 1938	C,W	S	Gentle slope	Obstructed at 81 feet. Reported weak supply.
175	--	85	e/	C,W	D,S	Hilltop	Reported weak supply. In Labor 23.
176	0.7	117.1	July 17, 1938	C,W	D,S,I	do.	Irrigates garden.
177	--	--	--	C,W	S	Near sink	No casing. Water in sand and clay.

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

d/ No water sample collected for analysis.

e/ Water level reported.



## Records of wells and springs in Dawson County--Continued

No.	Distance from Lamesa	Section	Township, block, survey or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
d/178	5 miles southwest	17, SE $\frac{1}{4}$ SE $\frac{1}{4}$	T. 5 N., blk. 36	B. E. Miller	--	1917	53	6
179	3 $\frac{1}{2}$ miles southwest	10, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Mrs F. M. Weaver	--	1905	120	5
180	3 $\frac{1}{2}$ miles southwest	22, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	D. E. Dunlop	--	--	89	5
181	5 miles south	35, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	T. W. Lasky	--	1928	86	5
182	2 miles south	13, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	C. M. Burton	--	1908	107	6
183	4 $\frac{1}{2}$ miles south	30, SE $\frac{1}{4}$ SW $\frac{1}{4}$	T. 5 N., blk. 35	R. T. Bedwell	--	Old	96	5
184	6 $\frac{1}{2}$ miles south	48, NE $\frac{1}{4}$ NE $\frac{1}{4}$	T. 5 N., blk. 36	R. A. Stuart	--	1918	90	--
d/185	6 miles southeast	41, NE $\frac{1}{4}$ SE $\frac{1}{4}$	T. 5 N., blk. 35	I. M. Stafford	--	Old	86	6
d/186	5 $\frac{1}{2}$ miles southeast	33, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	H. H. Barron	T. B. Harris	1908	84	4 $\frac{1}{2}$
d/187	4 miles southeast	29, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	--	--	77	--
188	3 $\frac{1}{2}$ miles southeast	21, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	do.	Walter Henderson	1920	81	6
189	4 miles southeast	21, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Elmer Walls	C. Birdwell	1929	110	6
190	4 $\frac{1}{2}$ miles east	14, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. P. Waltrip	W. Henderson	1937	120	6
191	6 $\frac{1}{2}$ miles southeast	35, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	B. V. Herring	--	Old	115	--
192	8 miles southeast	3, NW $\frac{1}{4}$ NW $\frac{1}{4}$	T. 4 N., blk. 35	Dan Bartlett	--	Old	88	6
193	8 $\frac{1}{2}$ miles southeast	3, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	O. Williams	L. C. Speck	1920	65	6
194	do.	47, SW $\frac{1}{4}$ SW $\frac{1}{4}$	T. 5 N., blk. 35	Truett Shipley	--	1920	74	6
d/195	do.	48, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	V. O. Barron	--	Old	136	6
196	11 miles southeast	12, SE $\frac{1}{4}$ SE $\frac{1}{4}$	T. 4 N., blk. 35	H. Richardson	L. C. Speck	1935	127	6
d/197	11 $\frac{1}{2}$ miles southeast	7, SE $\frac{1}{4}$ SW $\frac{1}{4}$	T. 4 N., blk. 34	R. Huff	--	--	91	--
198	9 $\frac{1}{2}$ miles southeast	44, NW $\frac{1}{4}$ SW $\frac{1}{4}$	T. 5 N., blk. 34	W. P. Stovall	C. Birdwell	1925	129	5
199	8 miles east	29, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. R. Flowers	--	1916	113	6
200	9 $\frac{1}{2}$ miles east	28, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	J. P. Gibson	Porter Gilbert	1923	140	6
201	11 $\frac{1}{2}$ miles east	35, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	S. O. Nowell	--	1924	113	6
202	14 $\frac{1}{2}$ miles east	44, NE $\frac{1}{4}$ NW $\frac{1}{4}$	T. 5 N., blk. 33	D. Burns	Walter Henderson	1928	142	--
d/203	14 miles east	1, NE $\frac{1}{4}$ SW $\frac{1}{4}$	T. 4 N., blk. 34	A. S. Riddle	do.	1926	206	8
d/204	do.	1, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Will R. Jeter	Magnolia Pet. Co.	1928	4,339	20

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
178	1	52	June 13, 1938	None	N	Near draw	
179	--	--	--	C,W	D,S	do.	Iron casing; bottom joint perforated. Reported strong supply.
180	0.5	78	July 17, 1938	C,W	D,S	Gentle slope	Water level questionable.
181	1.2	63.7	do.	C,W	D,S	Hilltop	Measured yield, 20 barrels a day. Water level questionable.
182	--	90	e/	C,W	D,S,I	Near draw	Iron casing; bottom joint perforated.
183	1	82	June 14, 1938	C,W	D,S,I	Ridge-top	50 feet of iron casing at top. Water level measured while pumping about $\frac{1}{8}$
184	1	74.9	do.	C,W	D,S	Hilltop	No casing. $\frac{1}{2}$ gallon a minute. Reported strong supply.
185	0.6	81.9	Apr. 29, 1938	C,W	N	Near draw	
186	1.4	80.2	July 13, 1938	None	N	do.	Iron casing.
187	1	72.9	do.	C,W	N	do.	Located 800 feet west of Sulphur Draw.
188	0.9	74.6	do.	C,W	S	Hilltop	Iron casing; bottom joint perforated.
189	0.8	97.6	do.	C,W	D,S	Ridge-top	Reported strong supply.
190	0	110.1	June 13, 1938	C,W	D,S	Near sink	Iron casing; bottom 20 feet perforated.
191	--	100	e/	C,W	D,S,I	Gentle slope	Irrigates garden.
192	1	83.5	July 10, 1938	C,W	D,S	Rolling	Concrete curb and casing.
193	0.6	52.7	do.	C,W	D,S	Near draw	No casing.
194	0.4	67.9	do.	C,W	D,S	do.	Concrete curb and casing. Reported strong supply.
195	0	133.5	do.	None	N	Gentle slope	No casing.
196	1	84.8	do.	C,W	D,S,I	Near sink	No casing. Irrigates garden.
197	0.3	86.2	do.	C,H	N	do.	
198	1	114.1	July 13, 1938	C,W	D,S	Gentle slope	19 feet of iron casing at bottom. Reported weak supply.
199	0.6	107.3	June 20, 1938	C,W	D,S,I	do.	Iron casing; bottom joint perforated. Irrigates garden.
200	--	110	e/	C,W	D,S,I	Ridge-top	Do.
201	--	105	e/	C,W	D,S,I	Near sink	Do.
202	1	130	July 12, 1938	C,W	D,S	Gentle slope	Iron casing. Water level questionable.
203	--	130	e/	None	N	Flat	Reported yield, 500 gallons a minute.
204	--	--	--	None	N	--	Oil test. Reported altitude, 2,889 feet. See log.

## Records of wells and springs in Dawson County--Continued

No	Distance from Lamesa	Section	Township, block, survey or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
205	13 miles east	48, SE $\frac{1}{2}$ SW $\frac{1}{2}$	T. 5 N., blk. 34	A. M. Johnson	--	1895	144	6
206	11 miles southeast	45, NE $\frac{1}{2}$ SE $\frac{1}{2}$	do.	Shelby Howell	--	Old	118	--
d/207	12 $\frac{1}{2}$ miles southeast	9, SW $\frac{1}{2}$ SW $\frac{1}{2}$	T. 4 N., blk. 34	Shunake School	--	--	115	--
208	14 miles southeast	11, SE $\frac{1}{2}$ SE $\frac{1}{2}$	do.	J. B. Speck	--	1924	135	5
209	16 $\frac{1}{2}$ miles southeast	25, NE $\frac{1}{2}$ NE $\frac{1}{2}$	do.	J. N. Blue	--	--	180	5
210	18 $\frac{1}{2}$ miles southeast	41, SE $\frac{1}{2}$ NW $\frac{1}{2}$	T. 4 N., blk. 33	L. M. Brown	--	--	156	6
211	17 miles southeast	38, NW $\frac{1}{2}$ NE $\frac{1}{2}$	T. 4 N., blk. 34	Texas Land & Mort. Co.	--	--	128	6
212	19 miles southeast	48, SE $\frac{1}{2}$ SE $\frac{1}{2}$	do.	J. Y. Graves	R. B. Miles	1928	152	5
213	20 miles southeast	7, NW $\frac{1}{2}$ NW $\frac{1}{2}$	T. 3 N., blk. 33	Mrs. A. F. Davenport	--	1925	135	5
214	21 miles southeast	7, SW $\frac{1}{2}$ SE $\frac{1}{2}$	do.	J. W. Cluck	Jud Miles	1926	152	8
215	20 miles southeast	12, NW $\frac{1}{2}$ SW $\frac{1}{2}$	T. 3 N., blk. 34	C. C. Koger	--	--	116	--
216	do.	11, NW $\frac{1}{2}$ SW $\frac{1}{2}$	do.	G. W. Bryson	-- Murdock	1937	132	5
217	18 $\frac{1}{2}$ miles southeast	9, NE $\frac{1}{2}$ NE $\frac{1}{2}$	do.	G. E. Criswell	--	--	124	5
d/218	do.	3, NE $\frac{1}{2}$ SE $\frac{1}{2}$	do.	Y. J. Coleman	--	--	113	5
219	17 $\frac{1}{2}$ miles southeast	45, SE $\frac{1}{2}$ SE $\frac{1}{2}$	T. 4 N., blk. 34	T. V. Butt	--	1925	137	5
220	do.	46, SE $\frac{1}{2}$ NW $\frac{1}{2}$	do.	Mrs. W. H. Gartin	--	--	108	4 $\frac{1}{2}$
221	17 miles southeast	44, SW $\frac{1}{2}$ SE $\frac{1}{2}$	do.	R. A. Etchison	-- Kaddatz	1926	120	5
222	16 $\frac{1}{2}$ miles southeast	43, NW $\frac{1}{2}$ SE $\frac{1}{2}$	do.	M. E. Dyer	Lewis O'Neil	1924	65	--
223	15 miles southeast	33, SW $\frac{1}{2}$ NW $\frac{1}{2}$	do.	N. J. Etheridge	Lewis Etheridge	1917	104	--
224	14 $\frac{1}{2}$ miles southeast	22, SW $\frac{1}{2}$ SW $\frac{1}{2}$	do.	J. M. Sypert	--	1922	140	--
d/225	13 miles southeast	17, SE $\frac{1}{2}$ SE $\frac{1}{2}$	do.	Dewey Hogg	Roy A. Albaugh	1937	3,865	10
226	12 miles southeast	18, NE $\frac{1}{2}$ SW $\frac{1}{2}$	do.	R. D. Simpson	--	1928	118	--
227	do.	24, NE $\frac{1}{2}$ NE $\frac{1}{2}$	T. 4 N., blk. 35	J. M. Trice	--	1932	25	36
i/228	12 $\frac{1}{2}$ miles southeast	19, NW $\frac{1}{2}$ NW $\frac{1}{2}$	T. 4 N., blk. 34	J. T. Pruitt	--	--	40	6
229	14 miles southeast	36, NE $\frac{1}{2}$ SE $\frac{1}{2}$	T. 4 N., blk. 35	J. R. Hanson	C. D. Lane	1924	108	6
230	14 $\frac{1}{2}$ miles southeast	39, NE $\frac{1}{2}$ SE $\frac{1}{2}$	do.	R. D. Simpson	Walter Henderson	1933	113	--
d/231	15 $\frac{1}{2}$ miles southeast	45, SW $\frac{1}{2}$ SW $\frac{1}{2}$	do.	J. S. Manning	do.	1921	226	--

## J. C. Cumley

No	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Dentth below measur- ing point (ft.)	Date of measure- ment				
205	0.5	137	July 12, 1938	C,W	D,S,I	Near sink	14 feet of iron casing at bottom. Reported has supplied 1,000 head of
206	0.6	115	July 13, 1938	C,W	D,S,I	Gentle slope	Reported stock. Irrigates garden. strong supply. Irrigates garden.
207	0.8	103.1	July 12, 1938	C,W	P	do.	
208	1	132.2	do.	C,W	D,S,I	do.	20 feet of iron casing at bottom. Strong supply reported in gravel and
209	--	132	e/	C,W	D,S,I	Near draw	Iron casing. sand. Irrigates garden. Reported sometimes supplies 150 Head
210	1	131.1	July 13, 1938	C,W	D,S	In draw	Report- of stock. Irrigates garden. ed strong supply. Located in Borden
211	1	111	do.	C,W	D,S,I	Flat	Water level questionable. County. Irrigates garden.
212	0.5	135.8	July 9, 1938	C,W	D,S,I	Hilltop	60 feet of steel casing at bottom.
213	1.2	134.1	July 13, 1938	C,W	D,S	do.	Reported strong supply. Located in Borden County.
214	1.3	127.3	do.	C,W	D,S,I	Gentle slope	2 joints of iron casing at bottom. Irrigates garden. In Borden County.
215	1	111.5	July 12, 1938	C,W	D,S,I	Near sink	Reported strong supply. Irrigates garden.
216	--	--	--	C,W,E --	D,Ind	Gentle slope	50 feet of steel casing at bottom.
217	1.3	72.6	July 12, 1938	C,W	D,S	Hilltop	Iron casing.
218	1.3	113.7	June 30, 1937	None	N	Gentle slope	Do.
219	1	123.9	July 12, 1938	C,W	D,S,I	do.	Iron casing at bottom.
220	0.2	99.3	July 10, 1937	C,W	S	Near sink	Iron casing.
221	1.2	92.9	July 12, 1938	C,W	D,S,I	do.	20 feet of iron casing at bottom. Irrigates garden.
222	0.2	60.4	July 9, 1938	B,H	D	Creek bottoms	Concrete curb. Reported weak supply.
223	--	--	--	C,W	D,S,I	Gentle slope	Has irrigated garden for 6 years.
224	--	125	e/	C,W	D,S,I	do.	Iron casing. Reported strong supply. Irrigates garden.
225	--	--	--	None	N	Hilltop	Oil test. See log.
226	0.3	97.2	July 13, 1938	C,W	D,S	Flat	
227	0.9	22.7	July 10, 1937	C,W	D,S	Near sink	Dug well. Wood curb; no casing. Water level measured while pumping
228	0.8	32.5	do.	C,W	S	do.	Reported about 1 gallon a minute. strong supply.
229	0.5	96.1	June 15, 1938	C,W	D,S,I	Hill- side	20 feet of perforated iron casing at bottom. Water level questionable.
230	--	--	--	C,W	D,S	Flat	Reported weak Irrigates garden. supply.
231	--	--	--	None	N	Ridge- top	No casing; plugged. Reported struck "Red Beds" at 26 feet.

## Records of wells and springs in Dawson County--Continued

No.	Distance from Lamasa	Section	Township, block, survey or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
232	13 $\frac{1}{2}$ miles southeast	33, SW $\frac{1}{4}$ -SW $\frac{1}{4}$	T. 4 N., blk. 35	C. E. Ream	--	--	110	--
233	11 $\frac{1}{2}$ miles southeast	28, NE $\frac{1}{4}$ -NW $\frac{1}{4}$	do.	R. E. Simpson	--	Old	87	--
234	12 miles southeast	23, SW $\frac{1}{4}$ -SW $\frac{1}{4}$	do.	A. F. Krezer	Walter Henderson	1937	93	6
235	10 $\frac{1}{2}$ miles southeast	15, NE $\frac{1}{4}$ -NE $\frac{1}{4}$	do.	D. Freeman	-- McNew	Old	120	--
236	9 $\frac{1}{2}$ miles southeast	9, NW $\frac{1}{4}$ -SW $\frac{1}{4}$	do.	Alvin Byrd	Moss Welch	1919	103	--
237	8 $\frac{1}{2}$ miles south	1, SE $\frac{1}{4}$ -SE $\frac{1}{4}$	T. 4 N., blk. 36	C. D. Applegate	--	1923	95	--
238	11 miles south	2, SW $\frac{1}{4}$ -NE $\frac{1}{4}$	do.	A. Thorp	--	--	185	--
239	13 $\frac{1}{2}$ miles south	36, SE $\frac{1}{4}$ -SE $\frac{1}{4}$	do.	H. Morgan	--	Old	95	6
240	11 $\frac{1}{2}$ miles south	22, SE $\frac{1}{4}$ -SE $\frac{1}{4}$	do.	Ernest Mitchell	--	--	82	5
241	10 miles south	15, NE $\frac{1}{4}$ -NE $\frac{1}{4}$	do.	L. A. Lewis	--	1923	100	--
242	7 $\frac{1}{2}$ miles south	46, NE $\frac{1}{4}$ -SE $\frac{1}{4}$	do.	S. B. Brandenburg	--	1918	88	5
243	8 $\frac{1}{2}$ miles south	44, SE $\frac{1}{4}$ -SE $\frac{1}{4}$	T. 5 N., blk. 36	Atlas Life Ins. Co.	--	--	90	--
244	10 $\frac{1}{2}$ miles south	8, SE $\frac{1}{4}$ -SE $\frac{1}{4}$	T. 4 N., blk. 36	O. M. Page	Horace Duke	1925	89	5
245	12 miles south	28, NW $\frac{1}{4}$ -NW $\frac{1}{4}$	do.	W. T. Smith	W. E. Duke	1924	190	--
246	13 miles south	12, NE $\frac{1}{4}$ -NE $\frac{1}{4}$	Borden C.S.L., lge. 261	-- Baptist Church	--	--	94	4
247	10 $\frac{1}{2}$ miles south	7, NW $\frac{1}{4}$ -NW $\frac{1}{4}$	T. 4 N., blk. 36	J. R. Bristow	--	1930	121	--
248	9 miles southwest	20, NE $\frac{1}{4}$ -NE $\frac{1}{4}$	Moore C.S.L., lge. 269	R. W. Higginbotham	--	--	113	5
249	11 miles southwest	2, NE $\frac{1}{4}$ -NE $\frac{1}{4}$	Moore C.S.L., lge. 270	Higginbotham & Harris	Walter Henderson	--	120	4 $\frac{1}{2}$
250	12 miles southwest	22, SE $\frac{1}{4}$ -SE $\frac{1}{4}$	do.	J. M. Higginbotham	--	1924	75	4
251	14 $\frac{1}{2}$ miles southwest	11, SE $\frac{1}{4}$ -SE $\frac{1}{4}$	Borden C.S.L., lge. 262	Earl Benson	--	--	78	12
252	16 $\frac{1}{2}$ miles southwest	23, SW $\frac{1}{4}$ -SE $\frac{1}{4}$	Kent C.S.L., lge. 266	Mrs. A. A. Harris	--	1932	62	--
253	13 $\frac{1}{2}$ miles southwest	5, NW $\frac{1}{4}$ -NW $\frac{1}{4}$	Moore C.S.L., lge. 267	E. J. Harris	Bill Archer	1928	80	--

J. C. Cumley

No.	Height of measuring point above ground (ft.) <u>a/</u>	Water level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
232	--	--	--	C,W	D,S,I	Gentle slope	Has irrigated garden for 5 years.
233	2	76.8	June 14, 1938	C,H	D,S,I	Near draw	No casing. Irrigates garden.
234	--	86	<u>e/</u>	C,W	D,S	Gentle slope	Concrete curb; 20 feet of iron casing at bottom.
235	--	108	<u>e/</u>	C,W	D,S,I	Near sink	20 feet of casing at bottom. Irrigates garden.
236	1	99.9	June 14, 1938	C,W	D,S,I	Hilltop	No casing. Irrigates garden.
237	0.5	93.5	do.	C,W	D,S,I	do.	Has irrigated garden for 10 years.
238	--	--	--	C,W,G --	D,S,I	do.	Irrigates garden.
239	0.4	85.1	June 14, 1938	C,W	D,S,I	do.	20 feet of iron casing at top. Water level measured while pumping $\frac{1}{2}$ gallon
240	1	76	July 14, 1938	C,W	D,S,I	Near draw	Water a minute. Irrigates garden. level questionable. Irrigates garden.
241	--	65	<u>e/</u>	C,W	D,S,I	do.	Do.
242	0.5	69.7	July 17, 1938	C,W	D,S,I	Near sink	Reported strong supply. Irrigates garden.
243	--	80	<u>e/</u>	C,W	D,S	Near lake	Reported strong supply.
244	1	86.3	July 17, 1938	C,W	D,S,I	Near draw	2 joints of iron casing at bottom. Irrigates garden.
245	--	62	<u>e/</u>	C,W	D,S,I	Near lake	Strong supply reported in red clay. Irrigates garden.
246	0.4	97.4	July 17, 1938	None	N	Near draw	Concrete curb; tinned casing. Reported strong supply. In Labor 12.
247	0.5	114.1	do.	C,W	D,S	Hill side	Reported weak supply in sand and gravel.
248	0.6	100.8	do.	C,W	D,S,I	Gentle slope	Iron casing. Reported weak supply. Irrigates garden. In Labor 20.
249	0.5	88.9	June 30, 1938	C,W	D,S	do.	Iron casing. 4 other wells nearby. Reported weak supply. In Labor 2.
250	1	69.4	July 17, 1938	C,W	D,S	Near draw	Iron casing. Reported weak supply. In Labor 22.
251	1.5	41.2	do.	C,W	D,S,I	Near lake	Iron casing. Water level measured while pumping about $\frac{1}{2}$ gallon a minute. Irrigates garden. In Labor 11.
252	0.8	47.2	do.	C,W	D,S,I	do.	Irrigates garden. In Labor 23.
253	--	65	<u>e/</u>	C,W,G --	D,S,I	do.	No casing. Irrigates garden. Struck red clay at 80 feet. In Labor 5.

Table of Drillers' Logs, Dawson County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 58</u>		
G. G. Wright tract, 15 miles northeast of Lamesa.		
(Formation unknown) - - - -	25	25
Red beds - - - - -	85	110
Water sand - - - - -	65	175
Red beds - - - - -	165	340
Sand - - - - -	34	374
Red beds - - - - -	305	679
Red beds and small shells-	121	800
Blue shale - - - - -	60	860
Red sand - - - - -	20	880
Sand - - - - -	40	920
Red rock - - - - -	10	930
Sand - - - - -	10	940
Red rock and lime shells -	60	1000
Red shale- - - - -	80	1080
Red gumbo- - - - -	20	1100
Blue shale - - - - -	40	1140
Water sand - - - - -	20	1160
Sandy lime - - - - -	40	1200
Sticky red shale and sandy shell - - - - -	160	1360
Gray shale with anhydrite breaks - - - - -	70	1430
Lime - - - - -	45	1475
Sandy gray lime - - - - -	5	1480
Sticky red shale with streaks of anhydrite -	20	1500
Sandy gray lime - - - - -	25	1525
Red beds and sandy lime shells - - - - -	25	1550
Sandy gray lime - - - - -	24	1574
Red beds - - - - -	6	1580
Gray lime- - - - -	3	1583
Gray lime and pyrites- -	3	1586
Gray gumbo - - - - -	10	1596
White lime - - - - -	4	1600
Sandy lime with gumbo breaks- - - - -	10	1610
Red beds - - - - -	4	1614
White lime - - - - -	8	1622
Gray shale - - - - -	8	1630
Sandy lime - - - - -	12	1642
Shale - - - - -	12	1654
Sandy lime - - - - -	3	1657
Red beds with anhydrite breaks - - - - -	20	1677
Shale- - - - -	13	1690
Lime - - - - -	10	1700
Shale with lime streaks -	40	1740
Lime, shells, shale breaks and salt - - - - -	10	1750
Shale and sandy shells -	46	1796
Shale and salt - - - - -	10	1806
Shale- - - - -	5	1811

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 58--Continued</u>		
Red beds, salt streaks and lime - - - - -	25	1836
Shale and salt - - - - -	94	1930
Shale and lime shells- -	50	1980
Shale and anhydrite - -	20	2000
Lime - - - - -	10	2010
Shale and lime shells- -	45	2055
White lime - - - - -	85	2140
Anhydrite - - - - -	12	2152
Shale and shells - - - -	10	2162
Anhydrite - - - - -	14	2176
Lime - - - - -	21	2197
Sandy lime - - - - -	21	2218
Lime - - - - -	36	2254
Sandy lime - - - - -	5	2259
Lime - - - - -	25	2284
Anhydrite- - - - -	31	2315
Lime - - - - -	26	2341
Anhydrite- - - - -	20	2361
Lime - - - - -	83	2449
Red rock, salt and lime -	31	2480
Gypsum, red rock and salt-	60	2540
Gypsum, potash and red rock-	30	2570
Salt, gypsum and red rock-	45	2615
Sand, salt, gypsum and anhydrite - - - - -	45	2660
Salt, gypsum and anhydrite-	15	2675
Salt, red rock and anhy-drite - - - - -	85	2760
Salt and red rock- - - -	45	2805
Red rock salt- - - - -	75	2880
Red water sand - - - - -	65	2945
Sandy red shale - - - - -	15	2960
Red shale and gypsum - -	3	2963
Red sand - - - - -	52	3015
Red sand and gypsum - -	27	3042
Red rock - - - - -	3	3045
Sand - - - - -	25	3070
Gypsum - - - - -	5	3075
Red rock salt- - - - -	5	3080
Red sand - - - - -	15	3095
Sandy red shale - - - - -	15	3110
Gypsum, anhydrite- - - -	15	3125
Sandy red shale - - - - -	40	3165
Red sand - - - - -	10	3175
Sandy red shale - - - - -	50	3225
Red sand - - - - -	10	3235
White anhydrite - - - - -	10	3245
Sandy red shale - - - - -	100	3345
Gray lime- - - - -	85	3430
Gray lime, gypsum and anhydrite - - - - -	25	3455
Sandy gray lime and shale-	60	3515
Gray lime - - - - -	45	3560

(Continued on next page)

Records of wells and springs in Dawson County--Continued

No.	Distance from Lamesa	Section	Township, block survey or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
254	13 miles southwest	1, SE $\frac{1}{2}$ SW $\frac{1}{4}$	Loving C.S.L., lge. 271	J. E. Weatherby	--	Old	97	--
255	14 $\frac{1}{2}$ miles southwest	7, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	E. W. Harris	--	--	96	--
256	16 $\frac{1}{2}$ miles southwest	17, SE $\frac{1}{2}$ SE $\frac{1}{4}$	Loving C.S.L., lge. 273	B. H. Lambert	--	Old	114	5
257	do.	12, NW $\frac{1}{4}$ NW $\frac{1}{4}$	Loving C.S.L., lge. 272	J. N. Watson	--	--	103	--
258	17 miles southwest	11, SW $\frac{1}{4}$ SW $\frac{1}{2}$	Kent C.S.L., lge. 265	H. B. Mason	-- Boatman	1924	85	6

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

b/ T, turbine; C, cylinder; B, bucket; E, electric; G, gasoline; W, windmill; H, hand; number indicates horsepower.



## J. C. Gumley

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
254	--	76	e/	C,V	D,S,I	Hilltop	Reported strong supply. Irrigates garden. In Labor 1.
255	1	88.5	July 27, 1938	C,W	S	Hillside	Water level measured while pumping about 1 gallon a minute. In Labor 7.
256	2	98.1	do.	C,W	D,S	Hilltop	10 feet of iron casing at top. In Labor 17.
257	0	96	do.	C,W	D,S,I	Valley flat	Irrigates garden. In Labor 12.
258	0.5	75	July 17, 1938	C,W	D,S,I	Near draw	Water level measured while pumping about $\frac{1}{2}$ gallon a minute. Irrigates garden. Struck red clay at 85 feet. In Labor 11.

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

d/ No water sample collected for analysis.

e/ Water level reported.

Table of Drillers' Logs, Dawson County, Texas

	Thickness (feet)	Depth (feet)
Driller's log of well 10		
Texas Land & Mortgage Co., 12 miles northwest of Lamesa.		
Sandy caliche, sand and red beds - - -	223	228
Sand and red beds - - -	116	344
Red bed - - - - -	36	380
Red beds, sand and blue shale - - -	72	452
Sand and shale - - -	138	590
Blue shale and shells - - -	132	722
Red beds - - - - -	5	727
Red rock and sandy blue shale - - -	33	760
Red beds - - - - -	61	821
Sand - - - - -	9	830
Sandy shale - - - - -	20	850
Red beds - - - - -	216	1066
Broken lime and anhydrite - - -	6	1072
Red beds and shells - - -	11	1083
Blue and brown shale - - -	46	1129
Blue shale - - - - -	51	1180
Sand - - - - -	10	1190
Blue shale - - - - -	70	1260
Lime - - - - -	10	1270
Red beds - - - - -	32	1302
Red beds, brown shale and shells - - -	50	1352
Blue and brown shale - - -	88	1440
Red rock - - - - -	30	1470
Sand and shale - - - - -	36	1506
Blue sandy shale - - -	159	1665
Lime - - - - -	5	1670
Blue shale - - - - -	69	1739
Blue shale and shells - - -	19	1758
Lime - - - - -	42	1800
Red beds, sand, blue shale and shells - - -	39	1839
Shale and shells - - -	59	1898
Lime - - - - -	42	1940
Red shale and lime shells - - -	45	1985
Shale, red rock and anhydrite shells - - -	41	2026
Lime - - - - -	28	2054
Lime and hard sand - - -	26	2080
Hard sand, shale and anhydrite - - - - -	11	2091
Shale and anhydrite - - -	27	2118
Lime, shale and anhydrite - - -	33	2151
Lime - - - - -	14	2165
Lime, anhydrite and shale - - -	30	2195
Shale and shells - - -	42	2237
Anhydrite - - - - -	57	2294

	Thickness (feet)	Depth (feet)
Driller's log of well 16--Continued		
Shale, sand and shells - - -	36	2330
Salt - - - - -	10	2340
Anhydrite - - - - -	12	2352
Red sandy shale, anhydrite, shells and salt - - - - -	89	2441
Salt and anhydrite - - -	99	2540
Salt - - - - -	25	2565
Salt and anhydrite - - -	30	2595
Salt, potash and anhydrite - - -	35	2630
Red shale - - - - -	1	2631
Anhydrite - - - - -	9	2640
Salt and shells - - -	20	2660
Salt - - - - -	43	2703
Salt, potash, anhydrite and shells - - -	55	2758
Red rock, anhydrite and salt - - -	12	2770
Salt and potash - - -	20	2790
Salt and anhydrite - - -	15	2805
Salt - - - - -	5	2810
Salt, anhydrite and potash - - - - -	95	2905
Anhydrite - - - - -	5	2908
Red rock, salt and anhydrite - - -	72	2980
Anhydrite - - - - -	10	2990
Sand - - - - -	14	3004
TOTAL DEPTH - - - - -		5044
CASING RECORD:		
228 feet of 12 $\frac{1}{2}$ -inch and 4,583 feet of 7-inch casing.		

Driller's log of well 24		
-- Chemical Co., 13 miles north of Lamesa.		
(Formation unknown) - - -	60	60
Hard lime - - - - -	10	70
Blue clay and gypsum crystals - - - - -	9	79
Hard lime - - - - -	15	94
Blue clay - - - - -	21	115
Lime - - - - -	9	124
Blue shale - - - - -	24	148
White water sand and red gravel - - -	15	163
Green sandy shale - - -	14	177
Tough red barren clay - - -	7	184
Green barren clay - - -	6	190
Tough red barren clay - - -	10	200
TOTAL DEPTH - - - - -		200

Table of Drillers' Logs, Dawson County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 58--Continued		
Gray anhydrite and lime -	35	3595
Gray lime- - - - -	145	3740
Gray lime and gypsum - -	55	3795
Gray lime- - - - -	48	3843
Gray lime and gypsum - -	13	3856
Gray lime- - - - -	284	4140
Gray lime, sulphur water -	15	4155
TOTAL DEPTH - - - - -		4155
CASING RECORD: 2,450 feet of 8 $\frac{1}{4}$ -inch and 2,955 feet of 6-5/8-inch casing.		

Driller's log of well 74		
-- Burns Estate, 15 $\frac{1}{2}$ miles east of Lamesa.		
	Thickness (feet)	Depth (feet)
Surface soil - - - - -	10	10
Rock - - - - -	1	11
Sand and gravel - - - - -	5	16
Hard rock- - - - -	8	24
Sand - - - - -	6	30
Lime - - - - -	4	34
Sand and gravel - - - - -	4	38
Shale- - - - -	22	60
Sand and shale - - - - -	40	100
Rock - - - - -	4	104
Shale- - - - -	47	151
Gumbo- - - - -	10	161
Shale and sand - - - - -	63	224
Red rock - - - - -	20	244
Shale- - - - -	6	250
Sand - - - - -	6	256
Rock - - - - -	2	258
Shale- - - - -	130	388
Sand - - - - -	27	415
Shale and sand - - - - -	10	425
Sand - - - - -	3	428
Rock - - - - -	6	434
Shale- - - - -	10	444
Gumbo- - - - -	11	455
Shale- - - - -	129	584
Sand and shale - - - - -	6	590
Sand - - - - -	5	595
Shale- - - - -	17	612
Sand - - - - -	28	640
Rock - - - - -	6	646
Sand - - - - -	37	683
Sand and shale - - - - -	7	690
Shale- - - - -	40	730
Sand and shale - - - - -	7	737
Rock - - - - -	4	741
Sand and shale - - - - -	5	746
Sand - - - - -	54	800
Rock - - - - -	4	804
Sand and shale - - - - -	4	808
Rock - - - - -	2	810
Gumbo- - - - -	6	816

	Thickness (feet)	Depth (feet)
Driller's log of well 74--Continued		
"Rotten" shale- - - - -	41	857
Red beds - - - - -	16	873
Gumbo - - - - -	6	879
Sand and shale- - - - -	28	907
Red beds and gravel - - -	10	917
Red beds and sand - - - -	17	934
Sand- - - - -	4	938
Red beds - - - - -	4	942
Sand - - - - -	9	951
Red sand - - - - -	26	977
Sand - - - - -	14	991
Red beds and sand- - - - -	59	1050
Sand - - - - -	7	1057
Red beds and sand- - - - -	63	1120
Red beds and boulders- - -	30	1150
Red beds and sand- - - - -	10	1160
Gumbo- - - - -	10	1170
Red beds - - - - -	15	1185
Red beds and sand- - - - -	10	1195
Sand - - - - -	9	1204
Red beds and sand- - - - -	22	1226
Sand - - - - -	3	1229
Red beds and sand- - - - -	57	1286
Sand - - - - -	13	1299
Red beds and sand- - - - -	16	1315
Rock - - - - -	15	1330
Red beds and sand- - - - -	20	1350
Sand - - - - -	20	1370
Gumbo and sand - - - - -	20	1390
Sand - - - - -	5	1395
Gumbo and sand - - - - -	8	1403
Sand - - - - -	17	1420
Sand and lime- - - - -	44	1464
Red beds and sand- - - - -	11	1475
Sand and lime- - - - -	10	1485
Red beds and sand- - - - -	25	1510
Red beds, sand, shale and red salt - - - - -	40	1550
Lime, shale and salt - - - -	90	1640
Red beds and sand- - - - -	20	1660
Sand and lime- - - - -	26	1686
Red beds and sand- - - - -	74	1760
Red beds and lime- - - - -	10	1770
Red beds and sand- - - - -	6	1776
Salt, salt water - - - - -	51	1827
TOTAL DEPTH - - - - -		2400
CASING RECORD: 911 feet of 10-inch and 1,850 feet of 8-inch casing.		

Driller's log of well 118		
City of Lamesa, in Lamesa.		
	Thickness (feet)	Depth (feet)
Red clay - - - - -	4	4
Caliche - - - - -	46	50
Cap rock - - - - -	10	60

(Continued on next page)

Table of Drillers' Logs, Dawson County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 118--Continued</u>		
Sand - - - - -	30	30
Water sand - - - - -	10	100
Sand - - - - -	90	190
Porous sand rock, water	10	200
Red beds and thin-bedded blue shale streaks - - -	100	300
TOTAL DEPTH - - - - -		300

<u>Driller's log of well 120</u>		
P. & S. F. R. R., well 4, in Lamesa.		
Brown sandy clay - - - - -	8	8
Gypsum - - - - -	36	44
Hard flint- - - - -	17	61
Coarse sand, little water-	4	65
Hard-packed red sand - - -	30	95
Coarse-grained sand, water-	18	113
Red sand - - - - -	17	130
Soft-packed red sand - - -	22	152
Light-red clay - - - - -	4	156
Light-red sand, water- - -	4	160
Fine gray sand - - - - -	37	197
Yellow clay - - - - -	14	211
Blue clay - - - - -	2	213
Yellow sand - - - - -	13	226
TOTAL DEPTH - - - - -		226

<u>Driller's log of well 124</u>		
City of Lamesa, in Lamesa.		
Caliche - - - - -	30	30
Rock - - - - -	10	40
Sand - - - - -	8	48
Water sand - - - - -	10	58
Sand rock- - - - -	2	60
Sand - - - - -	20	80
Water sand - - - - -	10	90
Sand - - - - -	52	142
Water sand - - - - -	8	150
Red beds - - - - -		150
TOTAL DEPTH - - - - -		150

<u>Driller's log of well 204</u>		
Will R. Jeter tract, 14 miles east of Lamesa.		
Surface soil - - - - -	10	10
Red sandy shale - - - - -	40	50
Lime - - - - -	15	65
Red sandy shale - - - - -	70	135
Sand and gravel, hole full of water at 150 feet - - -	58	193
Red mud - - - - -	4	197
Sand, water at 598 feet - - -	413	610
Broken lime - - - - -	5	615
Blue shale - - - - -	15	630
Brown shale - - - - -	30	660
Lime - - - - -	2	662

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 204--Continued</u>		
Brown shale - - - - -	178	840
Sand - - - - -	12	852
Red rock - - - - -	83	935
Water sand - - - - -	30	965
Lime - - - - -	4	969
Water sand - - - - -	3	977
Brown shale - - - - -	9	986
Blue shale - - - - -	14	1000
Brown shale - - - - -	17	1017
Blue shale - - - - -	26	1043
Brown shale - - - - -	10	1053
Blue shale - - - - -	27	1080
Lime - - - - -	12	1092
Blue shale - - - - -	17	1109
Gray sand, hole full of water - - - - -	46	1155
Lime - - - - -	3	1158
Blue sand and shale - - -	16	1174
Sand and gravel - - - - -	6	1180
Brown shale and sand - - -	28	1208
Sand and gravel - - - - -	5	1213
Red rock - - - - -	12	1225
Brown sandy shale- - - - -	24	1249
Sand and gravel - - - - -	22	1271
Red rock - - - - -	19	1290
Lime - - - - -	4	1294
Red rock - - - - -	106	1400
Brown shale - - - - -	165	1565
Lime - - - - -	18	1583
Brown shale - - - - -	21	1604
Anhydrite- - - - -	12	1616
Water sand, salt water - - -	3	1619
Brown shale - - - - -	13	1632
Lime - - - - -	8	1640
Shale and brown shale- - -	20	1660
Pure salt- - - - -	20	1680
Brown shale - - - - -	11	1691
Brown sandy shale- - - - -	16	1707
Salt - - - - -	53	1760
Potash and salt - - - - -	48	1808
Lime - - - - -	4	1812
Brown shale and salt - - -	38	1850
Salt and potash - - - - -	10	1860
Brown shale and salt - - -	60	1920
Brown shale and salt - - -	28	1948
Salt and potash - - - - -	28	1976
Anhydrite- - - - -	11	1987
Brown shale - - - - -	13	2000
Brown salt - - - - -	60	2060
Brown shale - - - - -	68	2128
Lime - - - - -	52	2180
Brown shale - - - - -	11	2191
Salt and brown shale - - -	14	2205
Brown mud- - - - -	15	2220
Hard shell - - - - -	2	2222

(Continued on next page)

Table of Drillers' Logs, Dawson County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 204--Continued		
Brown shale - - - -	9	2231
Hard shell - - - -	3	2234
TOTAL DEPTH - - - -		4339
CASING RECORD: 264 feet of 20-inch; 652 feet of 15 $\frac{1}{2}$ -inch; 1,290 feet of 13- 3/8-inch; 1,815 feet of 10-inch; 2,898 feet of 8-inch and 3,599 feet of 6-5/8- inch casing.		

Driller's log of well 225		
Dewey Hog tract, 13 miles southeast of Lamesa.		
Sand and red shale - - -	224	224
Red beds - - - -	581	805
Red beds and shells - - -	255	1060
Hard-packed sand - - -	4	1064
Shale and shells - - -	120	1184
Sand and shale - - -	143	1330
Shale and shells - - -	140	1470
Broken anhydrite - - -	10	1480
Shale and shells - - -	130	1610
Shale and anhydrite streaks - - - -	85	1695
Salt- - - -	163	1858
Salt, anhydrite streaks and potash - - - -	157	2015
Anhydrite salt - - -	60	2075
Shale and anhydrite - - -	100	2175
Salt and anhydrite - - -	77	2252
Shale and anhydrite - - -	88	2340
Salt and anhydrite - - -	145	2485
Shale and anhydrite - - -	41	2526
Lime and sand - - -	10	2536
Shale and anhydrite - - -	20	2556
Broken anhydrite - - -	314	2870
Anhydrite - - - -	30	2900

	Thickness (feet)	Depth (feet)
Driller's log of well 225--Continued		
Lime - - - -	13	2918
Anhydrite- - - -	57	2975
Lime - - - -	7	2982
Lime and anhydrite - - -	332	3314
Salt, lime and anhydrite - - -	56	3370
Lime and anhydrite - - -	75	3445
Lime and gypsum - - -	25	3470
Lime - - - -	90	3560
Gray and brown lime - - -	10	3570
Gray lime and anhydrite - - -	20	3590
Broken lime - - - -	10	3600
Lime shells - - - -	20	3620
Gray lime- - - -	10	3630
Broken lime - - - -	30	3660
Gray lime- - - -	43	3703
Hard gray lime - - -	9	3712
Gray lime- - - -	23	3740
Hard gray lime - - -	15	3755
Gray lime- - - -	15	3770
Hard gray lime - - -	22	3792
Gray lime- - - -	8	3800
Hard blue-gray lime - - -	5	3805
White water sand - - -	10	3815
Gray lime and sand - - -	5	3820
Gray lime- - - -	8	3828
Hard gray lime - - -	4	3832
Lime - - - -	15	3845
Hard gray lime - - -	10	3855
Hard brown lime - - -	5	3858
Brown lime - - - -	7	3865
TOTAL DEPTH - - - -		3865
CASING RECORD: 210 feet of 10-inch and 3,560 feet of 7-inch casing.		

Logs of test holes drilled by geophysical companies  
in northwest portion of Dawson County, Texas

	Thickness (feet)	Depth (feet)
<u>Log of hole la</u>		
A. M. Brownfield tract, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, Public School Lands blk. C-38, 21 miles northwest of Lamesa.		
Surface soil - - -	20	20
Caliche - - - -	48	68
Sandstone - - - -	23	91
Sand and gravel - - -	16	107
Hard-packed sandstone - -	10	123
Blue shale and shells -	44	167
TOTAL DEPTH		167
Reported altitude, 3,139 feet.		

	Thickness (feet)	Depth (feet)
<u>Log of hole lb</u>		
Edna von Rosenberg tract, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10, Public School Lands blk. C-38, 21 miles northwest of Lamesa.		
Sand - - - - -	18	18
Caliche - - - - -	58	76
Hard limestone - - -	9	85
Sand and gravel - - -	23	108
Hard-packed sandstone -	7	115
Sand and gravel - - -	31	146
Hard-packed gray shale -	51	197
TOTAL DEPTH		197
Reported altitude, 3,158 feet.		

	Thickness (feet)	Depth (feet)
<u>Log of hole lc</u>		
J. A. Johnson tract, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, Public School Lands blk. C-38, 20 $\frac{1}{2}$ miles northwest of Lamesa.		
Surface soil - - -	22	22
Sand and caliche - - -	30	60
Sandy clay - - - -	14	74
Hard limestone - - -	16	90
Sand and gravel - - -	44	134
Hard-packed blue shale -	36	170
TOTAL DEPTH		170
Reported altitude, 3,140 feet.		

	Thickness (feet)	Depth (feet)
<u>Log of hole ld</u>		
Lubbock National Bank tract, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, Public School Lands blk. C-38, 20 $\frac{1}{2}$ miles northwest of Lamesa.		
Surface soil - - -	18	18
Caliche - - - - -	41	59
Sandy clay - - - -	21	80
Sandstone - - - - -	22	102
Sandy clay - - - -	21	123
Sand and gravel - - -	44	167
TOTAL DEPTH		167
Reported altitude, 3,141 feet.		

	Thickness (feet)	Depth (feet)
<u>Log of hole le</u>		
Lubbock National Bank tract, SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, Public School Lands blk. C-38, 21 miles northwest of Lamesa.		
Surface soil - - -	7	7
Caliche and sandstone -	55	60
Limestone and hard caliche	8	68
Hard limestone - - -	8	76
Sandstone - - - - -	16	92
Brown clay and gravel -	43	135
Soapstone - - - - -	35	170
TOTAL DEPTH		170
Reported altitude, 3,146 feet.		

	Thickness (feet)	Depth (feet)
<u>Log of hole lf</u>		
Lubbock National Bank tract, SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, Public School Lands blk. C-38, 20 miles northwest of Lamesa.		
Sand - - - - -	21	21
Caliche - - - - -	51	72
Hard limestone - - -	7	79
Sandy clay - - - - -	9	88
Sand and gravel - - -	37	125
Sand and clay - - - -	75	200
TOTAL DEPTH		200
Reported altitude, 3,141 feet.		

	Thickness (feet)	Depth (feet)
<u>Log of hole lg</u>		
J. A. Johnson tract, SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, Public School Lands blk. C-38, 20 miles northwest of Lamesa.		
Surface soil - - -	18	18
Caliche - - - - -	26	44
Sandy clay - - - - -	26	70
Hard limestone - - -	22	92
Sand and gravel - - -	40	138
Hard-packed blue shale -	32	170
TOTAL DEPTH		170
Reported altitude, 3,141 feet.		

	Thickness (feet)	Depth (feet)
<u>Log of hole lh</u>		
Dilworth Hager tract, SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, Public School Lands blk. C-38, 20 miles northwest of Lamesa.		
Sand - - - - -	5	5
Caliche and sandstone -	37	42
Hard limestone - - -	3	45
Caliche - - - - -	13	58
Sand and gravel - - -	12	70
Brown clay - - - - -	10	80
Gravel - - - - -	18	98
Hard limestone - - -	7	105

(continued on next page)

Logs of test holes drilled by geophysical companies  
in northwest portion of Dawson County--Continued

	Thickness (feet)	Depth (feet)
<u>Log of hole 1h--continued</u>		
Soapstone and limestone-	9	114
Hard limestone- - -	6	120
Soapstone and limestone-	50	170
TOTAL DEPTH		170
Reported altitude, 3,111 feet.		

	Thickness (feet)	Depth (feet)
<u>Log of hole 1i</u>		
J. F. Stokes tract, SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 2, Public School Lands blk. C-39, 19 $\frac{1}{2}$ miles northwest of Lamesa.		
Sand - - - - -	12	12
Caliche- - - - -	46	58
Hard-packed sandstone -	14	72
Sandy clay - - - -	16	88
Hard-packed sandstone -	4	92
Sand and gravel- - -	45	137
TOTAL DEPTH		137
Reported altitude, 3,141 feet.		

	Thickness (feet)	Depth (feet)
<u>Log of hole 2a</u>		
W. M. Sawyer tract, SE $\frac{1}{4}$ N $\frac{1}{2}$ sec. 14, Public School Lands blk. C-38, 20 $\frac{1}{2}$ miles northwest of Lamesa.		
Surface soil - - - -	20	20
Caliche- - - - -	50	70
Sandstone - - - - -	28	98
Sandy clay - - - - -	32	130
Hard limestone - - -	23	153
Blue shale and shells -	34	187
Blue shale - - - - -	10	197
TOTAL DEPTH		197
Reported altitude, 3,149 feet.		

	Thickness (feet)	Depth (feet)
<u>Log of hole 2b</u>		
D. E. Richards tract, SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, Public School Lands blk. C-38, 19 $\frac{1}{2}$ miles northwest of Lamesa.		
Sand - - - - -	34	34
Caliche- - - - -	36	70
Hard limestone - - -	8	78
Sand and gravel- - -	42	120
Hard-packed sandstone -	14	134
Hard gray shale- - -	33	167
TOTAL DEPTH		167
Reported altitude, 3,133 feet.		

	Thickness (feet)	Depth (feet)
<u>Log of hole 2c</u>		
Mrs. Clara Willis tract, NE $\frac{1}{4}$ W $\frac{1}{2}$ sec. 15, Public School Lands blk. C-38, 19 $\frac{1}{2}$ miles northwest of Lamesa.		
Sand- - - - -	21	21
Caliche - - - - -	23	44
Hard limestone - - -	11	55
Sand and gravel - - -	47	102

	Thickness (feet)	Depth (feet)
<u>Log of hole 2c--continued</u>		
Hard-packed sandstone -	12	114
Sandy clay - - - - -	32	146
Hard-packed gray shale -	21	167
TOTAL DEPTH		167
Reported altitude, 3,119 feet.		

	Thickness (feet)	Depth (feet)
<u>Log of hole 2d</u>		
Mrs. Clara Willis tract, SW $\frac{1}{4}$ W $\frac{1}{2}$ sec. 15, Public School Lands blk. C-38, 19 $\frac{1}{2}$ miles northwest of Lamesa.		
Sand - - - - -	18	18
Caliche- - - - -	45	63
Hard limestone - - -	17	80
Sand and gravel- - -	35	115
Sandy clay - - - - -	15	130
Hard-packed sandstone -	6	136
Hard-packed gray shale -	16	152
TOTAL DEPTH		152
Reported altitude, 3,136 feet.		

	Thickness (feet)	Depth (feet)
<u>Log of hole 8a</u>		
Edna G. Alexander tract, NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, Public School Lands blk. C-39, 18 miles northwest of Lamesa.		
Surface soil - - - -	26	26
Caliche- - - - -	32	58
Hard limestone - - -	11	69
Sandy gravel - - - -	46	115
Hard-packed sandstone -	15	130
Brown clay - - - - -	10	140
Hard-packed blue shale -	30	170
TOTAL DEPTH		170
Reported altitude, 3,121 feet.		

	Thickness (feet)	Depth (feet)
<u>Log of hole 8b</u>		
S. M. Mitchell tract, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 50, E. L. & R. R. R. R. blk. M, 17 miles northwest of Lamesa.		
Surface soil - - - -	10	10
Caliche- - - - -	34	44
Sand and clay - - - -	28	72
Hard limestone - - -	9	81
Sand and gravel- - -	54	135
Sandy clay - - - - -	35	170
TOTAL DEPTH- - - - -		170
Reported altitude, 3,115 feet.		

	Thickness (feet)	Depth (feet)
<u>Log of hole 8c</u>		
Ed. E. Beck tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 49, E. L. & R. R. R. R. blk. M, 16 miles north west of Lamesa.		
Sand - - - - -	6	6
Caliche and sandstone -	26	32
Caliche and limestone -	22	54

(continued on next page.)

Logs of test holes drilled by geophysical companies  
in northwest portion of Dawson County--Continued

	Thickness (feet)	Depth (feet)
<u>Log of hole 8c--continued</u>		
Hard limestone- - - -	6	60
Brown clay - - - -	15	75
Gravel - - - -	37	112
Sandstone and gravel- -	23	135
Brown clay - - - -	35	170
TOTAL DEPTH		170
Reported altitude, 3,091 feet.		

	Thickness	Depth
<u>Log of hole 9a</u>		
J. F. Stokes tract, NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, Public School Lands blk. C-39, 19 $\frac{1}{2}$ miles northwest of Lamesa.		
Sand- - - -	16	16
Caliche - - - -	54	70
Hard-packed sandstone -	11	81
Sandy clay - - - -	23	104
Sand and gravel - - - -	32	136
Hard-packed gray shale -	31	167
TOTAL DEPTH		167
Reported altitude, 3,145 feet.		

	Thickness	Depth
<u>Log of hole 9b</u>		
W. A. Swinney tract, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, Public School Lands blk. C-41, 18 $\frac{1}{2}$ miles northwest of Lamesa.		
Surface soil- - - -	23	23
Caliche - - - -	28	51
Sand- - - -	17	68
Hard-packed sandstone -	12	80
Sand and gravel - - - -	17	97

	Thickness (feet)	Depth (feet)
<u>Log of hole 9a--continued</u>		
Hard limestone - - - -	17	114
Blue shale and shells -	53	167
TOTAL DEPTH		167
Reported altitude, 3,115 feet.		

	Thickness	Depth
<u>Log of hole 11a</u>		
Fannie Martin tract, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, Public School Lands blk. C-41, 17 miles northwest of Lamesa.		
Surface soil - - - -	18	18
Caliche - - - -	26	44
Hard-packed sandstone -	24	68
Sandy clay- - - -	16	84
Sand and gravel- - - -	13	97
Hard limestone - - - -	24	121
Gray shale and shells -	46	167
TOTAL DEPTH		167
Reported altitude, 3,113 feet.		

	Thickness	Depth
<u>Log of hole 11b</u>		
E. M. Dorsey tract, NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, E. L. & R.R. R.R. blk. M, 15 miles northwest of Lamesa.		
Sand - - - -	4	4
Caliche - - - -	16	20
Sand and sandstone- -	30	50
Caliche - - - -	24	74
Limestone - - - -	8	82
Brown clay and gravel	18	100
Gravel- - - -	22	122
Soapstone and hard-packed shale - - - -	48	170
TOTAL DEPTH		170
Reported altitude, 3,109 feet.		



Partial analyses of water from wells in Dawson County, Texas

(Analyzed at The University of Texas under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry, and E. W. Lohr, Chemist, U. S. Department of the Interior, Geological Survey; by D. F. Riddell, and H. T. Davidson, Chemists; and J. A. Harmaza, Martin Wieland, and Jack Ramsey, Assistant Chemists. Nitrate determined by E. V. Lohr. 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 (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (calc.)	Fluoride (F)
1	J. A. Johnson	98	July 19, 1938	697	-	-	-	311	169	116	b/	-	-
3	G. P. Dickenson	133	July 27, 1938	1,060	129	92	110	287	323	260	b/	702	-
4	Atlas Life Ins. Co.	98	do.	1,283	149	122	119	256	427	340	b/	876	-
5	Fred Kantz	110	do.	905	64	74	167	384	181	230	b/	466	-
6	T. R. Halley	110	July 29, 1938	1,404	143	160	137	244	214	630	b/	1,014	-
7	J. P. Cole	94	July 19, 1938	609	-	-	-	268	165	99	b/	-	-
8	Ed. Tinsley	80	do.	1,042	91	107	122	317	335	225	b/	666	-
9	W. A. Swinney	79	July 29, 1938	1,009	-	-	-	305	238	270	b/	-	-
10	T. E. Oler	105	do.	672	-	-	-	390	161	79	b/	-	-
11	M. L. Youngblood	88	July 19, 1938	1,242	-	-	-	317	290	365	b/	-	-
12	T. A. Weeks	85	July 29, 1938	847	82	77	110	336	262	151	b/	522	-
13	H. G. Westbrook	96	do.	919	-	-	-	342	290	146	b/	-	-
14	Fairview School	106	July 19, 1938	619	48	59	98	354	149	91	b/	361	-
15	Texas Land & Mort. Co.	107	July 27, 1938	936	88	89	123	329	234	240	b/	585	-
17	J. M. Barrett	88	July 19, 1938	1,067	90	110	131	323	302	268	b/	678	-
18	J. W. Benton	126	June 21, 1938	1,358	108	107	230	281	296	475	b/	711	-
19	C. F. Cox	140	July 28, 1938	2,551	226	174	419	281	774	820	b/	1,283	-
20	Fred Henderson	115	July 29, 1938	662	57	62	95	336	193	90	b/	398	-
21	John Edwards	136	do.	3,718	422	415	249	171	1,161	1,380	b/	2,766	3.4
22	R. I. Nelson	78	do.	706	75	62	93	378	198	92	b/	443	-
23	Chas. Beard	81	do.	2,233	181	199	296	372	875	495	b/	1,273	-
25	-- Chem. Co.	30	do.	7,651	118	118	2,317	659	3,912	815	125	782	-
26	Grandview School	76	July 28, 1938	1,310	124	110	180	290	391	352	b/	753	-
27	S. T. Jeffries	34	do.	1,966	76	106	422	482	633	395	20	625	1.1
29	D. L. Adcock	62	Aug. 2, 1938	1,465	96	120	250	262	383	475	b/	734	4.2
31	G. F. Burleson	55	July 28, 1938	962	82	68	167	390	274	164	b/	487	-
32	W. H. Heinen	107	do.	763	174	34	35	287	230	94	55	576	-
33	W. P. Moore	206	July 29, 1938	5,446	318	179	509	226	923	3,325	-	1,530	-
34	L. L. Huddleston	223	do.	6,008	80	40	2,100	207	996	2,670	b/	365	0.8
36	Mrs. M. V. A. Smith	116	July 28, 1938	2,366	298	163	205	244	633	840	b/	1,416	-

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (calc.)	Fluoride (F)
37	State Highway Dept.	49	July 14, 1938	839	173	104	17	1,049	15	14	b/	859	1.2
38	J. A. E. Gary	191	July 1, 1938	706	89	65	79	427	125	116	22	490	-
40	Mrs. Artie Edwards	46	July 28, 1938	581	62	29	113	445	69	8	78	273	3.1
41	V. B. Hohn	60	July 1, 1938	1,250	124	94	189	458	347	238	26	698	6.5
42	Joe Snellgrove	43	do.	-	-	-	-	-	367	147	21	-	-
44	R. T. Dopson, et al	150	July 22, 1938	1,239	-	-	-	317	403	245	b/	-	-
45	J. E. Hackleman	147	do.	821	-	-	-	445	198	112	b/	-	-
46	B. E. Evans, Est.	Spring	June 29, 1938	697	72	46	113	238	169	160	20	368	-
48	J. T. Hooten	72	July 22, 1938	399	56	22	63	232	77	67	b/	228	1.2
49	L. F. Southerland	119	do.	2,197	73	51	600	366	584	650	b/	391	-
50	G. C. Aten	55	do.	758	66	50	145	293	149	190	b/	371	6.0
51	R. E. Austin	65	do.	1,516	159	112	218	342	403	438	b/	859	-
52	Harmony School	55	do.	930	78	70	163	378	198	220	b/	483	-
53	Dela S. Wright	50	July 6, 1938	3,740	242	240	726	421	1,218	1,090	b/	1,593	5.5
55	do.	40	do.	1,094	133	34	200	317	355	160	54	471	2.5
56	do.	84	do.	678	-	-	-	348	169	98	b/	-	-
59	Carrie S. Dean	63	do.	583	50	43	175	256	115	139	b/	302	-
62	do.	34	Aug. 2, 1938	637	114	50	74	702	a/	54	b/	491	-
63	do.	40	do.	193	58	6	8	214	a/	7	b/	168	-
63a	do.	Tank	do.	78	18	4	6	67	a/	8	b/	63	-
65a	do.	Tank	do.	104	-	-	-	116	a/	2	b/	-	-
69a	do.	Tank	do.	111	34	4	5	134	a/	2	b/	103	0.2
75	Dan T. Whatley	29	July 12, 1938	1,122	82	55	233	305	423	156	b/	434	6.0
76	J. T. Southard	75	June 30, 1938	854	-	-	-	262	294	136	b/	-	-
78	T. W. Langham	142	June 20, 1938	498	-	-	-	281	99	82	b/	-	-
79	Key School	132	June 30, 1938	596	62	53	82	323	145	83	b/	373	5.2
80	W. E. Hawkins	129	June 16, 1938	605	-	-	-	323	153	72	b/	-	4.8
81	Carrie S. Dean	132	June 23, 1938	600	-	-	-	311	157	78	b/	-	-
82	do.	132	do.	548	65	48	66	293	149	76	b/	360	-
83	do.	100	do.	288	86	6	18	293	24	10	b/	239	0
85	do.	60	do.	515	26	13	156	323	103	56	b/	118	2.3
88	do.	140	do.	366	49	28	52	250	37	66	b/	237	2.4
90	do.	120	do.	570	70	55	50	293	157	82	b/	404	4.2

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (calc.)	Fluoride (F)
91	Carrie S. Dean	90	June 23, 1938	655	-	-	-	311	185	88	b/	-	-
92	do.	150	do.	759	70	29	168	305	197	136	b/	293	2.0
93	do.	150	do.	2,146	190	116	394	275	719	585	b/	952	2.7
95	Hancock School	128	July 22, 1938	4,140	245	244	854	305	1,387	1,250	b/	1,616	3.9
96	D. F. Southard	140	June 16, 1938	691	68	62	89	317	231	80	b/	423	-
97	R. B. Hoffman	109	June 13, 1938	758	75	75	91	415	214	84	b/	496	-
98	McCarty School	120	June 17, 1938	575	39	41	121	378	129	59	b/	265	-
99	B. L. King	109	do.	751	-	-	-	372	185	102	b/	-	-
100	T. A. Miller	107	June 18, 1938	762	-	-	-	311	205	132	b/	-	-
101	F. King	150	Aug. 1, 1938	571	57	61	71	363	117	80	b/	393	4.9
102	G. C. Hardesty	118	June 17, 1938	566	63	58	59	311	161	72	b/	396	-
103	F. M. Weaver Est.	107	July 14, 1938	2,553	156	155	468	311	944	545	27	1,025	5.0
104	Beckham Bros.	156	June 3, 1938	1,552	77	104	314	299	606	300	b/	619	-
105	Kiesling-McBride Gin Co.	148	July 14, 1938	2,358	176	174	359	305	1,008	445	b/	1,157	3.6
107	Gus White	95	do.	318	-	-	-	299	28	10	b/	-	-
108	do.	113	do.	459	36	30	95	342	77	29	24	214	-
109	Alice Banta	125	June 22, 1938	871	88	80	106	293	271	182	b/	549	-
110	S. E. Ethridge	114	June 21, 1938	576	54	64	67	323	144	84	b/	399	4.3
111	W. Williams	132	June 22, 1938	597	63	66	57	317	173	82	b/	431	-
112	W. J. Cox	110	June 3, 1938	609	49	59	93	342	145	84	b/	366	1.8
113	Ralph Grant	110	July 14, 1938	637	54	65	89	354	137	118	b/	405	-
115	P. & S. F. R. R.	133	do.	670	47	57	121	366	169	96	b/	350	-
116	J. E. Garland	122	July 13, 1938	845	71	59	130	317	335	76	b/	421	-
118	City of Lamesa	300	July 25, 1938	819	37	34	227	427	190	116	b/	231	5.0
122	do.	145	July 13, 1938	761	51	51	160	397	190	114	b/	336	-
123	do.	145	July 26, 1938	731	44	52	153	360	181	117	b/	322	-
124	do.	150	do.	764	49	51	163	390	185	120	b/	331	-
126	do.	145	do.	786	53	59	151	366	205	130	b/	376	-
127	F. M. Weaver Est.	61	June 29, 1938	469	48	53	45	354	40	14	90	338	4.6
128	do.	100	June 24, 1938	836	50	53	186	403	210	128	b/	543	5.0
129	do.	101	June 27, 1938	888	-	-	-	336	254	152	b/	-	-
130	Ruby Davis	107	June 21, 1938	604	-	-	-	342	132	88	b/	-	-
131	Bartlett School	94	July 19, 1938	587	56	57	81	354	133	86	b/	375	-

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (calc.)	Fluoride (F)
132	Mrs. K. V. Rose	87	June 24, 1938	671	74	77	51	354	113	98	84	503	-
133	do.	70	June 26, 1938	860	-	-	-	378	202	152	20	-	-
134	do.	143	June 24, 1938	854	110	77	85	329	234	174	b/	593	4.4
135	do.	117	do.	823	-	-	-	354	222	140	b/	-	-
136	F. M. Weaver Est.	115	do.	736	-	-	-	354	178	124	b/	-	-
137	H. E. Thruston	90	June 4, 1938	737	-	-	-	366	178	116	b/	-	-
138	F. M. Weaver Est.	110	June 24, 1938	843	-	-	-	311	210	186	b/	-	-
139	Mrs. F. M. Weaver	120	do.	1,075	-	-	-	348	242	280	b/	-	-
140	Federal Life Ins. Co.	150	June 4, 1938	821	50	56	178	390	153	148	b/	354	3.8
141	F. M. Weaver Est.	115	June 24, 1938	982	37	48	260	354	226	230	b/	290	-
142	do.	125	do.	915	35	42	246	366	202	194	b/	261	-
143	do.	121	do.	7,253	429	433	1,557	262	1,665	3,040	-	2,852	1.6
145	Munger School	120	June 22, 1938	657	60	44	170	293	129	150	b/	332	-
146	F. A. Youngblood	114	July 21, 1938	1,523	104	129	257	378	423	410	b/	789	4.4
147	C. A. Barron	100	do.	1,200	92	102	198	378	294	325	b/	648	-
152	A. Sandidge	220	do.	-	-	-	-	-	a/	206	b/	-	-
154	J. A. Richardson	130	do.	1,289	130	120	152	317	379	348	b/	819	-
155	G. R. Kite	143	July 27, 1938	4,021	390	219	767	183	685	1,170	b/	1,834	-
156	H. L. Spruill	111	June 22, 1938	3,246	212	179	682	311	97	1,040	b/	1,265	3.6
157	Amicable Life Ins. Co.	96	July 30, 1938	4,416	-	-	-	458	1,746	1,000	b/	-	3.2
158	G. T. Hall	100	do.	1,580	150	176	1,205	458	1,734	1,090	b/	1,098	-
159	Mrs. F. M. Weaver	125	June 24, 1938	936	-	-	-	281	218	250	b/	-	-
160	W. L. Lee	118	June 13, 1938	1,004	93	58	178	262	329	210	b/	471	-
162	L. F. McGee	97	July 26, 1938	1,432	85	97	293	287	359	445	b/	510	-
163	Amicable Life Ins. Co.	110	do.	690	57	48	121	366	149	51	80	340	4.0
164	Higginbotham & Harris	120	June 13, 1938	3,818	159	152	965	397	1,405	940	b/	1,024	2.5
165	Mrs. F. M. Weaver	121	June 24, 1938	2,661	196	186	477	153	722	1,000	b/	1,255	-
166	do.	74	June 30, 1938	428	70	53	9	372	28	17	68	393	-
167	do.	107	do.	711	-	-	-	287	181	106	31	-	6.2

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (calc.)	Fluoride (F)
168	Hogginbotham & Harris	100	June 13, 1938	1,313	66	92	267	342	444	260	b/	542	-
169	do.	110	July 26, 1938	1,801	91	89	410	336	677	345	24	595	-
170	Union School	109	June 13, 1938	820	31	17	276	659	103	52	b/	145	5.5
171	F. L. Buckalew	98	June 3, 1938	4,162	386	346	592	177	951	1,800	b/	2,388	-
172	F. M. Weaver Est.	90	June 30, 1938	1,254	79	97	227	464	415	180	28	595	-
173	do.	108	do.	1,752	62	80	462	573	548	300	b/	484	4.5
174	do.	135	June 24, 1938	864	41	49	220	476	165	144	b/	305	5.2
175	J. C. Tyner	110	July 17, 1938	1,322	-	-	-	342	359	325	b/	-	-
176	Mrs. W. A. Lindsey	122	do.	962	47	49	239	390	266	158	b/	320	5.7
177	F. M. Weaver Est.	110	June 29, 1938	968	80	77	156	470	230	128	66	518	-
179	Mrs. F. N. Weaver	120	June 24, 1938	1,606	134	123	250	336	492	400	42	841	-
180	D. E. Dunlap	89	July 17, 1938	683	-	-	-	384	136	108	b/	-	-
181	T. W. Lasky	86	do.	905	60	70	170	403	255	148	b/	438	-
182	C. M. Burton	107	June 14, 1938	806	-	-	-	305	189	170	b/	-	-
183	R. T. Bedwell	96	do.	915	-	-	-	329	214	210	b/	-	-
184	R. A. Stuart	90	do.	647	-	-	-	415	123	71	b/	-	-
186	H. H. Barron	81	July 13, 1938	968	-	-	-	305	266	203	b/	-	-
189	Emer Wells	110	do.	714	41	48	156	342	169	122	b/	500	-
190	F. P. Fairtrip	120	June 13, 1938	438	34	31	9	342	5	54	b/	14	5.6
191	B. V. Harring	115	June 20, 1938	718	70	71	97	317	201	122	b/	469	-
192	Ben Bartlett	86	July 10, 1938	967	-	-	-	238	178	330	b/	-	-
193	O. Williams	85	do.	706	45	51	38	336	44	40	b/	321	4.0
194	Truett Shipley	74	do.	964	-	-	-	256	242	268	b/	-	-
196	H. Richardson	127	do.	356	44	33	47	329	42	18	b/	245	-
198	W. P. Stovall	129	July 13, 1938	465	42	33	89	366	81	30	b/	240	-
199	J. R. Flowers	113	June 20, 1938	568	-	-	-	348	115	77	b/	-	-
200	J. P. Gibson	140	do.	627	52	47	114	354	156	84	b/	324	-
201	S. O. Nowell	113	do.	510	60	43	68	305	111	78	b/	327	-
202	D. Burns	142	July 12, 1938	406	60	31	14	244	93	54	b/	279	-
205	A. M. Johnson	144	do.	571	-	-	-	366	113	64	b/	-	5.5
206	Shelby Howell	118	July 13, 1938	556	-	-	-	336	121	70	b/	-	-
208	J. B. Speck	135	July 12, 1938	559	53	41	98	354	137	56	b/	300	-
209	J. N. Blue	180	July 11, 1938	476	42	36	86	305	99	58	b/	252	-

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Cal-cium (Ca)	Magne-sium (Mg)	Sodium and Potassium (Na / K) (calc.)	Bicar-bonate (HCO <sub>3</sub> )	Sul-phate (SO <sub>4</sub> )	Chlo-ride (Cl)	Ni-trate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (calc.)	Fluor-ide (F)
210	L. M. Brown	156	July 13, 1938	557	34	22	144	342	121	52	b/	173	3.5
211	Texas Land & Mort. Co.	128	do.	535	-	-	-	354	90	58	20	-	-
212	J. Y. Graves	152	July 9, 1938	537	38	29	124	329	117	61	b/	213	-
213	Mrs. A. F. Davenport	135	July 13, 1938	508	58	24	95	305	105	62	b/	-	3.5
214	J. T. Cluck	152	do.	486	-	-	-	336	84	50	b/	-	-
215	C. C. Koger	116	July 12, 1938	465	-	-	-	329	70	56	b/	-	-
216	G. W. Bryson	132	July 8, 1938	474	30	22	126	354	72	37	b/	163	4.1
217	G. E. Cricwell	124	July 12, 1938	561	-	-	-	409	95	52	b/	-	-
219	T. V. Butt	137	do.	427	42	22	97	323	45	56	b/	193	4.0
220	Mrs. W. H. Gartin	108	July 10, 1938	348	62	23	39	275	48	41	b/	249	-
221	R. A. Etchison	120	July 12, 1938	332	78	20	18	256	41	42	b/	278	-
222	M. E. Dyer	65	July 9, 1938	402	36	23	87	305	72	34	b/	184	-
223	N. J. Etheridge	104	June 15, 1938	518	-	-	-	329	101	61	b/	-	-
224	J. M. Sypert	140	July 14, 1938	452	61	28	71	305	78	50	b/	267	4.3
226	R. D. Simpson	118	July 13, 1938	676	42	66	106	244	190	141	b/	376	-
227	J. M. Trice	25	July 10, 1938	-	-	-	-	-	11	13	43	-	-
229	J. R. Hanson	108	June 15, 1938	560	-	-	-	342	129	62	b/	-	-
230	R. D. Simpson	113	June 14, 1938	897	42	45	226	384	242	146	b/	287	-
232	C. E. Ream	110	June 15, 1938	688	52	46	140	354	133	129	b/	318	-
233	R. E. Simpson	87	June 14, 1938	977	102	77	136	323	255	228	20	573	-
234	A. F. Krezar	93	do.	586	-	-	-	342	132	76	b/	-	-
235	D. Freeman	120	do.	549	44	46	171	342	86	90	b/	298	1.7
236	Alvin Byrd	103	do.	592	-	-	-	354	119	85	b/	-	-
237	C. D. Applegate	95	do.	1,017	85	66	192	336	222	274	b/	486	-
238	A. Thorp	185	do.	1,257	52	55	319	415	452	164	b/	359	-
239	H. Morgan	95	do.	506	24	17	132	415	53	43	b/	120	-
240	Ernest Mitchell	82	July 14, 1938	807	49	51	181	378	177	152	b/	531	4.6
241	L. A. Lewis	100	do.	468	-	-	-	427	41	28	b/	-	-
242	S. B. Brandenburg	88	July 17, 1938	959	-	-	-	451	230	152	b/	-	-
243	Atlas Life Ins. Co.	90	do.	1,486	-	-	-	506	347	347	28	-	-
244	O. M. Page	89	do.	1,267	45	41	140	549	427	240	b/	280	-
245	T. T. Smith	190	do.	1,592	47	28	196	482	530	250	b/	232	4.0
246	-- Baptist Church	94	do.	614	30	14	19	439	65	74	b/	134	4.5

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Total hardness as CaCO <sub>3</sub> (calc.)	Fluoride (F)
247	J. R. Bristow	121	July 17, 1938	1,742	86	54	485	415	359	550	b/	432	-
248	R. W. Higginbotham	113	do.	1,326	-	-	-	299	270	440	b/	-	-
249	Higginbotham & Harris	120	June 30, 1938	1,146	84	90	189	317	391	222	b/	581	-
250	J. M. Higginbotham	75	July 17, 1938	550	38	22	142	323	96	84	b/	183	-
251	Earl Benson	78	do.	884	92	46	158	244	238	206	22	418	2.2
252	Mrs. A. A. Harris	62	do.	1,556	168	101	237	250	432	485	b/	838	3.0
253	E. W. Harris	80	do.	902	-	-	-	317	250	175	b/	-	-
254	J. H. Weatherby	97	do.	749	40	32	183	281	169	170	b/	233	-
255	E. W. Harris	96	July 27, 1938	1,235	-	-	-	275	359	302	22	-	-
256	B. H. Lambert	114	do.	2,503	141	160	518	275	746	795	b/	1,008	4.3
257	J. N. Watson	103	do.	956	74	59	178	244	278	204	43	428	-
258	H. B. Mason	85	July 17, 1938	901	-	-	-	329	230	175	b/	-	3.8

a/ Sulphate less than 10 parts per million.

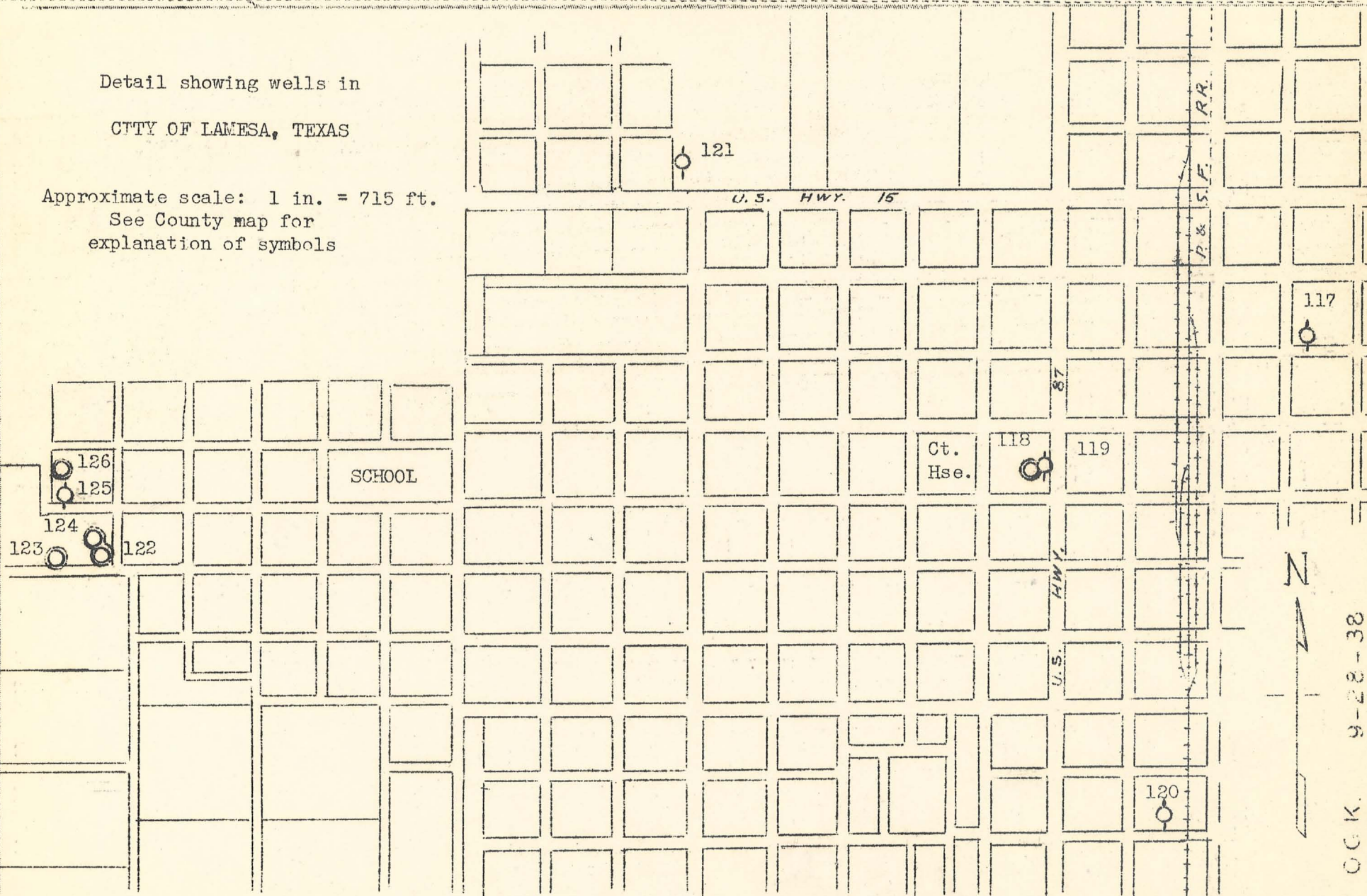
b/ Nitrate less than 20 parts per million.

Detail showing wells in

CITY OF LAMESA, TEXAS

Approximate scale: 1 in. = 715 ft.

See County map for  
explanation of symbols



CGK 9-28-38



- EXPLANATION -

- WELL WITH HAND PUMP BUCKET OR BAILER
- ◇ WELL WITH WINDMILL OR SMALL POWER PUMP
- ⊙ WELL WITH PUMPING PLANT - 5 HORSE POWER OR LARGER
- ◇ WELL DRILLED TO TEST FOR OIL OR GAS
- ◇ UNUSED WELL
- SPRING
- TEST HOLES DRILLED BY SEISMOGRAPH COMPANIES
- ▽ EARTHEN TANK OR RESERVOIR
- SINK
- ESCARPMENT
- HIGHWAY
- COUNTY ROAD

# MAP OF DAWSON COUNTY, TEXAS SHOWING LOCATIONS OF WATER WELLS LISTED



FIELD WORK BY  
J.C. CUMLEY  
BASE COMPILED FROM  
LAND OWNERSHIP MAP  
AND FIELD NOTES

GEOLOGICAL SURVEY  
U.S. DEPARTMENT OF THE INTERIOR  
OPERATING WITH  
TEXAS BOARD OF WATER ENGINEERS

