APR 15 1963

U595-T17-207

TID-18401

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LEGAL NOTICE

This report was prepared as an account of Government sponsored work. Neither the United States, nor the Commission, nor any person acting on behalf of the Commission:

A. Makes any warranty or representation, expressed or implied, with respect to the accuracy, completeness, or usefulness of the information contained in this report, or that the use of any information, apparatus, method, or process disclosed in this report may not infringe privately owned rights; or

B. Assumes any liabilities with respect to the use of, or for damages resulting from the use of any information, apparatus, method, or process disclosed in this report.

As used in the above, "person acting on behalf of the Commission" includes any employee or contractor of the Commission, or employee of such contractor, to the extent that such employee or contractor of the Commission, or employee of such contractor prepares, disseminates, or provides access to, any information pursuant to his employment or contract with the Commission, or his employment with such contractor.

MASTER

NOTICE

This report contains patentable, preliminary, unverified, or erroneous information. For one or more of these reasons the author or issuing installation and responsible office have limited its distribution to Governmental agencies and their contractors as authorized by AEC Manual Chapter 3202-062. A formal report will be published at a later date when the data is complete enough to warrant publication.

These data are preliminary and should not be quoted without permission.

Prepared by the Geological
Survey for the U. S. Atomic
Energy Commission.

NOT TO BE RELEASED - NO PUBLIC
OR OFFICIAL DISTRIBUTION TO BE
MADE. REQUESTS FROM OFFICIAL
REQUESTERS SHOULD NOT BE FILLED
REPORT CONTAINS NOTHING OF PATENT
INTEREST. PROCEDURES ON FILE IN
RECEIVING SECTION.

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency Thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

DISCLAIMER

Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

In reply refer to:

Technical Letter
Dribble-30
April 3, 1963

Mr. James E. Reeves, Manager
Nevada Operations Office
U. S. Atomic Energy Commission
P. O. Box 1676
Las Vegas, Nevada

Dear Mr. Reeves:

Transmitted herewith are two copies of:

TECHNICAL LETTER: DRIBBLE-30

WELL RECORDS AND QUALITY OF WATER IN THE
TATUM DOME AREA, LAMAR COUNTY, MISSISSIPPI

By

J. W. Lang and E. J. Harvey

This document is

PUBLICLY RELEASABLE

James E. Williams
Authorizing Official

Date: *06/28/2007*

Additional copies have been distributed as indicated below.

Sincerely yours,

William E. Hole
for

W. S. Twenhofel
Program Supervisor, Dribble
Special Projects Branch

Enclosures (2)

Distribution:

Technical Library, NVOO (4)
R. F. Beers, Inc. (14)
DTIE, Oak Ridge, Tenn. (1)
Hazleton-Nuclear Sci. Corp. (3)
J. F. Philip, SAN (1)
N. Short, LRL (1)
Glen Werth, LRL (1)

Sam Howell, H&N, Las Vegas (2)
G. B. Maxey (1)
R. A. Peterson, UED (2)
FC/DASA, Albuquerque (2)
Cdr. H. E. Stephens, DMA (1)
T. B. Nolan, USGS (1)
V. E. McKelvey, USGS (1)
D. H. Eargle, USGS (1)
J. W. Lang (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Federal Center, Denver 25, Colorado

TECHNICAL LETTER: DRIBBLE-30

WELL RECORDS AND QUALITY OF WATER IN THE
TATUM DOME AREA, LAMAR COUNTY, MISSISSIPPI

By

J. W. Lang and E. J. Harvey

Contents

	Page
Introduction-----	1
Well records-----	1
Summary of well data-----	2
Water supplies within a five mile radius of Tatum dome-----	3
Water quality-----	4

Illustrations

Figure 1. Location of water wells in Lamar County and parts of Marion and Pearl River Counties, and test holes in vicinity of Tatum Dome, Miss.-----	In Pocket
2. Geologic section and principle aquifers, Tatum dome, Lamar County, Miss.-----	In Pocket

Tables

Table 1. Records of wells in Lamar and adjoining areas of Marion and Pearl River Counties, Miss.-----	At Back
2. Test wells drilled for the AEC in Lamar County, Miss.--	At Back
3. Chemical analyses of selected water samples from test wells drilled on the AEC lease, Tatum dome, Lamar County, Miss.-----	At Back
4. Chemical analyses of selected water samples from supply wells in the Tatum dome area, Lamar County, Miss.-----	At Back

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Technical Letter
Dribble-30

Federal Center, Denver 25, Colorado

WELL RECORDS AND QUALITY OF WATER IN THE TATUM DOME AREA,
LAMAR COUNTY, MISSISSIPPI

By

J. W. Lang and E. J. Harvey

Introduction

Records have been collected by the U.S. Geological Survey on many of the water wells in Lamar County and adjacent portions of Forrest, Marion, and Pearl River Counties. The purpose of this report is to record data collected during 1961. A second report will be made to include wells drilled after November 1961. The field inventory was carried out mostly by T. N. Shows, H. B. Harris, and R. E. Taylor under the direction of C. A. Armstrong. Figure 2 was prepared in large part by R. V. Chafin.

Well records

Data presented in table 1 are mainly reported information given to the canvassers by property owners. Important information such as depths and water levels for most of the wells of a necessity is reported since it would be impractical and expensive to remove pumps and obtain exact measurements in the many wells in which the casing is used as the conductor pipe. Wells that had easy access were measured with a steel tape for depth and water level. Table 2 lists various data for test wells and test holes drilled on the AEC lease at Tatum dome.

The well numbering system used in figure 1 and tables 1 and 4 is adapted from that used in ground-water studies in other parts of the State. Each township or portion thereof within a county unit is assigned a letter (see figure 1) beginning with the letter A in the northwestern part of the county and continued in normal reading order to the southern border. The letter "I" is not used. The section number follows the grid letter. Wells in each section are numbered consecutively beginning with one.

Summary of well data

The wells are mostly shallow and completed in the sands and gravels belonging to the mantle of terrace deposits which blankets most of the area. Many of the shallow wells with screens have to be replaced in a few years after installation because the screens become corroded or obstructed by sediment. For this reason, and since they are of inexpensive construction, wells of this type quite often are abandoned and or replaced regularly. The inventory soon becomes out of date after it has been completed.

Generally, wells deeper than 100 feet are more long lasting and are not abandoned or replaced as frequently as shallower ones. The deeper wells tap either the lower part of the terrace deposits or the underlying sands of the Pascagoula and Hattiesburg Formations of Tertiary age.

Reported yields of most wells range from 1 to 10 gpm (gallons per minute). Few yields were measured. Most of the wells are used for domestic and stock supplies. Industrial and public supply wells having large yield (100 gpm or more) are few. Wells at Pontiac Eastern Refinery and at Lumberton and Purvis yield several hundred gallons per minute each. These are completed in the Pascagoula and Hattiesburg Formations and are equipped with turbine pumps whereas the rural domestic wells usually are equipped with jet or cylinder pumps with fractional horsepower motors. Water is drawn by hand from several of the shallow wells.

Water supplies within a five-mile radius of Tatum dome

Within a five-mile radius of the salt dome about 180 wells supply the farms and rural homes with water. Seventy percent of the wells are bottomed in terrace deposits or shallow Miocene sands at depths of less than 100 feet. About 30 percent are in aquifers that may be considered equivalent to the local aquifer (fig. 2). Five wells were completed in sands which are probably equivalent to the No. 1 aquifer in Tatum dome terminology. No supply wells are known to be in aquifers 2 or 3.

About 30 percent of all wells within a five-mile radius of the dome are bored wells cased with cement or clay tile. No dug wells of large diameter (24 inches or more) were recorded. The remaining 70 percent of the wells have

galvanized iron or steel casings with screens attached opposite the water sands. None of the wells is known to have the casing securely cemented above the aquifer.

Beyond a radius of 5 miles but within a 15-mile radius, most of the wells derive water from the terrace deposits or shallow sands of Miocene age. About 3 percent of the wells are in the deeper aquifers 2 or 3. No supply wells are known to be in aquifers 4 or 5; aquifer 5 contains saline water.

Water quality

Although not recorded in the well tabulation, water from many of the wells inventoried turns yellow on standing a short time owing to the precipitation of iron. This information has been recorded on the field inventory sheets which are in the files of the Geological Survey.

Analyses indicate that water from shallow wells is more corrosive than that from deeper wells. The tendency toward high iron content in water from the shallow wells and the fact that the screens in shallow wells (less than 100 feet deep) are customarily replaced more often than those in deep wells can be both attributed to this higher corrosiveness.

The median value for the total iron content of the water from the terrace deposits is .95 ppm (parts per million). The median value for the Miocene water is .86 ppm, only a little lower.

Total dissolved solids is lower in waters from the terrace deposits than in those from Miocene aquifers. The median value for the dissolved solids in the terrace deposits is 36 ppm as compared with 99 ppm for the Miocene aquifers.

Table 3 gives analytical data for selected water samples from test wells drilled on the Atomic Energy Commission lease at Tatum dome. Table 4 gives the chemical analyses for more than a hundred water samples obtained from representative supply wells within an approximate radius of 15 miles of Tatum dome.

Table 1.—Records of wells in Lamar and adjoining areas of Marion and Pearl River Counties, Miss.

Well No.: Numbers correspond to those in figure
 Type of well: D, drilled; B, bored; Du, dug; S, spring.
 Water-bearing unit: Qt, Quaternary terrace deposits; Thp, Tertiary Hattiesburg-Pascagoula undifferentiated; Tc, Tertiary Catahoula Sandstone; Tv, Tertiary Vicksburg Group; Tcm, Tertiary Cook Mountain Formation.
 Water level: Levels shown in feet are reported; those in tenths were measured on the dates shown.

Method of lift: C, cylinder; J, jet; F, natural flow; P, pitcher; T, turbine; S, submersible; B, bucket; E, electric power; WC, windmill cylinder; $\frac{1}{2}$, horsepower of pump motor.
 Use of water: D, domestic; Ind, industrial; N, none; PS, public supply; S, stock.
 Water analysis: C, complete chemical; P, partial chemical; R, radiological; N, none. See table.
 Remarks: S.C., Specific conductance in microhos (field determination).

LAMAR COUNTY

Well No.	Owner	Driller	Year drilled	Type of well	Depth of well (ft.)	Diameter (inches)	Water-bearing unit	Depth to top of screen (ft.)	Water level		Method of lift	Use of water	Water analysis	Remarks
									Below land-surface datum (ft.)	Date of measurement				
Al-1	T. E. Bond	T. E. Bond & J. Munn	1961	D	50	2	Qt	46	25	11-15-61	CE $\frac{1}{2}$	D	N	
1-2	B. F. Herring	Fowler Butane Co.	1955	D	84	2	Qt	78	34	11-15-61	JE $\frac{1}{2}$	D	N	
2-1	Robert McGill	J. Munn	1935	D	20	3	Qt	16	13	11-15-61	JE $\frac{1}{2}$	D,S	N	
3-1	Burford Broome	T. Munn	1956	D	35	2	Qt	30	25	11-15-61	JE $\frac{1}{2}$	D,S	N	
3-2	Sam Lott	S. S. Rouse	1959	D	147	2	Qt	142	111	1959	CE $\frac{3}{4}$	D,S	N	
4-1	Evan Lucas	Howard Harrington	1960	D	65	2	Qt	61	10	11-17-61	JE $\frac{1}{2}$	D	N	
5-1	Larkey Broome	Larkey Broome	1960	B	35	2	Qt	30	10	11-17-61	JE $\frac{1}{2}$	D,S	N	
6-1	Sally Russell	J. Sumrall	1961	B	74	8	Qt	—	50	11-17-61	JE $\frac{1}{2}$	D,S	N	
7-1	G. W. Patterson	I. T. Patterson	1945	D	40	2	Qt	36	—	—	JE $\frac{1}{2}$	D,S	N	
7-2	Lamar Patterson	Gilmer Lee	1952	D	85	2	Qt	81	20	11-17-61	JE $\frac{1}{2}$	D,S	N	
8-1	Graham Lott	Unknown	1951	D	52	2	Qt	43	40	11-17-61	JE $\frac{1}{2}$	D	N	
8-2	Odus Williamson	Mr. Beard	1948	D	396	2	Thp	—	140	11-17-61	CE 1	D,Ind	N	Water contains iron.
8-3	J. O. Williamson	Unknown	1945	S	—	—	—	—	—	11-17-61	JE $\frac{1}{2}$	D	N	Supplies water for sawmill.
10-1	Troy Sumrall	do	1946	S	—	—	—	—	—	—	JE $\frac{1}{2}$	D	N	Estimated spring discharge is $\frac{1}{2}$ to 1 gpm.
10-2	L. L. Lott	Dean Griner	1960	D	50	2	Qt	—	30	11-15-61	JE $\frac{1}{2}$	D	N	
10-3	Mona Hanegan	J. Munn	1959	D	26	2	Qt	—	16	11-15-61	JE $\frac{1}{2}$	D	N	
11-1	James Getwood	—	—	S	—	—	—	—	—	—	—	D	N	
11-2	Harry Broome	T. Munn	1946	D	40	2	Qt	—	20	11-28-61	CE $\frac{1}{2}$	D	N	
12-1	Allie Carter	Unknown	1920	B	130	8	Thp	100	150	11- 9-61	CE 1	D,S	N	
12-2	Thomas Broome	John Knight & Howard Harrington	1961	D	130	2	Qt	125	75	11-15-61	JE $\frac{3}{4}$	D	N	
13-1	Coy Sumrall	Sears, Roebuck & Co.	1951	D	60	2	Qt	55	35	11-15-61	JE $\frac{1}{2}$	D,S	N	
14-1	Chris Russell	T. Munn	1944	D	80	2	Qt	—	58	11- 9-61	JE $\frac{1}{2}$	D,S	N	
14-2	T. E. Russell	Unknown	1951	D	80	2	Qt	—	50	11-15-61	CE $\frac{1}{2}$	D	N	
15-1	Frank Russell	J. Knight	1959	D	70	2	Qt	—	60	11-28-61	CE $\frac{3}{4}$	D	N	
16-1	Frank Childers	T. Munn	1945	B	70	12	Qt	—	60	11-10-61	CE $\frac{1}{2}$	D,S	N	
17-1	A. C. Richardson	Alford Plumbing Co.	1960	D	380	2	Thp	376	180	11-17-61	CE 1	D,S	N	Water contains iron.
18-1	T. C. Akers	Howard Harrington	1961	D	35	2	Qt	31	23	11-17-61	JE $\frac{1}{2}$	D,PS	N	Drilled to 170 ft.
18-2	Hickory Grove Baptist Church	Dean Griner	1956	D	340	2	Thp	330	150	11- 7-61	CE 1	PS	N	Water contains iron.
19-1	Bessie Riles	Howard Harrington	1956	D	178	2	Thp	173	160	11-17-61	CE 1	D,S	N	Do
19-2	Zeal Phillips	Zeal Phillips	1956	D	32	2	Qt	27	17	11-17-61	JE $\frac{1}{2}$	D,S	N	
20-1	Carl Broome	Unknown	1935	D	60	8	Qt	54	40	11-10-61	JE $\frac{1}{2}$	D,S	N	
20-2	Barney Weatherford	do	1945	D	91	2	Qt	88	60	11-17-61	CE $\frac{3}{4}$	D,S	N	
20-3	L. A. Smith	do	1940	D	95	12	Qt	90	75	11-17-61	JE 1	D,S	N	
21-1	Elisha Smith	E. Smith	1947	D	48	8	Qt	40	40	11- 9-61	B	D,S	N	
22-1	T. W. Russell	Otto Mann	1950	D	90	2	Qt	86	—	—	JE $\frac{1}{2}$	D,S	N	
22-2	Jesse Foster	T. Munn	1956	D	30	2	Qt	26	18	11-17-61	JE $\frac{3}{4}$	D,S	N	
22-3	M. Graham	T. C. Cabiness	1954	D	105	2	Qt	100	—	—	JE $\frac{1}{2}$	D	N	Deepened from 70 ft to 105 ft in August 1961.
23-1	Arthur Bennett	Dean Griner	1961	D	90	2	Qt	85	36	11- 9-61	JE $\frac{3}{4}$	D,S	N	
23-2	Terrall Lott	T. C. Cabiness	1952	D	104	2	Qt	100	70	11-15-61	CE $\frac{3}{4}$	D,S	N	
24-1	Alvin Bounds	do	1953	D	110	2	Qt	100	30	11- 9-61	JE $\frac{1}{2}$	D,S	N	
24-2	Tom Davies	Dean Griner	1959	D	130	2	Qt	126	50	11-15-61	JE $\frac{3}{4}$	D	N	
25-1	R. E. Sumrall	Unknown	1940	D	—	2	—	—	25	11- 9-61	JE $\frac{1}{2}$	D,S	N	Water contains iron.
26-1	V. P. Russell	T. C. Cabiness	1960	D	100	4	Qt	—	58	11- 9-61	JE $\frac{1}{2}$	D,S	N	
26-2	Ellis Bounds	Unknown	1930	D	30	2	Qt	—	15	11- 9-61	JE $\frac{3}{4}$	D,S	N	
26-3	R. C. Steele	J. Knight	1951	D	65	2	Qt	—	30	11-15-61	JE $\frac{1}{2}$	D,S	N	
27-1	E. F. Broome	Howard Harrington	1961	D	60	2	Qt	—	38	11-15-61	JE $\frac{1}{2}$	D	N	
28-1	Winnie Lott	Unknown	1951	D	30	2	Qt	—	20	11-15-61	JE $\frac{1}{2}$	D	N	
28-2	L. E. Portenberry	Howard Harrington	1959	D	100	2	Qt	—	60	11-28-61	CE $\frac{3}{4}$	D,S	N	
29-1	J. Miller	Dean Griner	1958	D	100	2	Qt	—	40	11-17-61	CE $\frac{3}{4}$	D	N	
31-1	Ethyl Creel	do	1951	D	190	2	Thp	—	100	11-17-61	CE $\frac{3}{4}$	D	N	
33-1	R. Lowry	Howard Watts	1955	D	263	2	Thp	—	110	10-21-61	CE $\frac{3}{4}$	D,S	N	
33-2	W. A. Sanford	Dean Griner	1957	D	255	2	Thp	250	140	11-15-61	CE $\frac{3}{4}$	D	C	
33-3	J. V. Hudson	Unknown	1955	D	40	2	Qt	—	15	11-15-61	CE $\frac{3}{4}$	D,S	N	
35-1	G. F. Pfeleger	G. F. Pfeleger	1939	Du	25	30	—	25	20	11-27-61	CE $\frac{1}{2}$	D	N	
36-1	Clyde Kendrick	Clyde Kendrick	1945	D	40	4	Qt	—	—	—	JE $\frac{1}{2}$	D	N	Water contains iron.
36-2	Chester Lee	Unknown	1960	D	100	2	Qt	—	50	11-15-61	JE $\frac{3}{4}$	D	N	
B 4-1	R. L. Clark	J. Munn	1935	D	41	8	Qt	—	30	11-10-61	JE $\frac{1}{2}$	D,S	N	
5-1	Roy Davis	T. C. Cabiness	1959	D	100	2	Qt	—	75	11-10-61	JE $\frac{1}{2}$	D	N	
7-1	Town of Sumrall	Layne-Central Co.	1956	D	400	8	Thp	—	75	11-10-61	TE 25	PS	C,R	
9-1	Ella Moore	T. Munn	1940	D	36	8	Qt	36	12	11-10-61	JE $\frac{1}{2}$	D,S	N	
12-1	W. F. Barnes	Quick & Grice	1956	D	175	4	Thp	—	150	11-28-61	CE 1	D,S	N	
13-1	T. W. Arnold	Hattiesburg Butane Co.	1956	D	100	2	Qt	—	75	11-10-61	JE $\frac{1}{2}$	D,S	N	
14-1	Matys Nagy	—	1926	S	—	—	—	—	—	—	B	D	N	Estimated discharge $\frac{1}{2}$ gpm.
18-1	W. E. Aultman	T. Munn	1955	D	50	2	Qt	—	20	11- 9-61	JE $\frac{1}{2}$	D,S	N	
18-2	H. O. Walker	H. O. Walker	1958	D	38	2	Thp	—	25	11-27-61	CE $\frac{1}{2}$	D,S	N	
19-1	Paul Stevens	T. C. Cabiness	1960	D	180	2	Thp	—	100	11- 9-61	SE -	D,S	N	Very soft.
19-2	Edward Brakefield	Edward Brakefield	1951	D	60	2	Qt	—	30	11- 9-61	JE $\frac{1}{2}$	D,S	N	
20-1	J. Sumrall	Unknown	—	D	200	2	Thp	—	10	11- 9-61	CE $\frac{1}{2}$	D,S	N	
21-1	J. E. Hanberry	J. E. Hanberry	1947	D	37	2	Qt	—	25	11-10-61	JE $\frac{1}{2}$	D,S	N	Water contains iron.
22-1	M. L. Kellum	Dean Griner	1955	D	400	2	Thp	—	90	11-10-61	CE $\frac{3}{4}$	D	N	Do
27-1	S. J. Easterling	C. B. Clinton	1932	D	65	2	Qt	—	47	11- 9-61	JE -	D,S	N	
28-1	John Webb	John Webb	1954	D	80	12	Qt	—	70	11- 9-61	CE -	D,S	N	
30-1	R. Thomas	T. Munn	—	D	300	2	Thp	—	—	—	CE 1	D	N	
30-2	Al Sumrall	Levon Harrington	1945	D	55	2	Qt	—	30	11-27-61	JE $\frac{1}{2}$	D,S	N	
30-3	C. Byrnes	Mr. White	1945	D	55	2	Qt	—	45	11-27-61	JE $\frac{1}{2}$	D,S	N	
31-1	Irene Herring	Quick & Grice	1950	D	60	2	Qt	—	30	11-17-61	JE $\frac{3}{4}$	D	N	
32-1	J. H. Pouncey	Howard Harrington	1956	D	75	2	Qt	—	65	11-17-61	JE $\frac{3}{4}$	D,S	N	
32-2	E. Aultman	Unknown	1951	D	45	8	Qt	—	25	11-27-61	CE $\frac{3}{4}$	D,S	N	
33-1	B. L. Clearman	Mr. Patterson	1915	D	45	4	Qt	—	—	—	JE $\frac{1}{2}$	D,S	N	
34-1	Jesse Lott	Dean Griner	1961	D	65	2	Qt	—	30	11- 8-61	CE $\frac{1}{3}$	D	N	Supplies water for 2 homes.
35-1	Walter Clinton	Unknown	1940	D	65	2	Qt	—	40	11- 8-61	CE $\frac{1}{2}$	D,S	N	Drilled to 120 ft.
36-1	J. J. Patterson	do	1950	D	90	2	Qt	—	80	11- 8-61	CE $\frac{3}{4}$	D	N	

Table 1.--(Continued)

LAMAR COUNTY

Well No.	Owner	Driller	Year drilled	Type of well	Depth of well (ft.)	Diameter (inches)	Water bearing unit	Depth to top of screen (ft.)	Water level		Method of lift	Use of water	Water analysis	Remarks
									Below land-surface datum (ft.)	Date of measurement				
C-1-1	A. E. Sumrall	Howard Harrington	1958	D	35	2	Qt	30	20	11-2-61	JE $\frac{1}{2}$	D	N	Water contains iron.
2-1	D. Dalfry	Mr. Knight	1949	D	58	2	Qt	-	30	11-2-61	JE $\frac{1}{2}$	D,S	N	Do
3-1	James Buchanan	Unknown	1947	D	80	2	Qt	-	40	10-31-61	JE $\frac{1}{2}$	D,S	N	
4-1	Robert Gria	do	1932	D	65	2	Qt	-	40	10-31-61	JE $\frac{1}{2}$	D	N	
5-1	Virgie Cook	Howard Harrington	1946	D	68	2	Qt	-	50	11-1-61	JE $\frac{1}{2}$	D	N	
5-2	Emmet Hudson	J. Knight	1960	D	75	2	Qt	-	45	11-2-61	JE $\frac{1}{2}$	D,S	N	
6-1	Porter Hudson	Columbia Electric Co.	1930	D	50	2	Qt	-	50	11-2-61	CE $\frac{1}{2}$	D,S	N	
6-1	Emily Craft	Joe Rollins	1931	B	58	10	Qt	-	50	11-2-61	CE $\frac{1}{2}$	D,S	N	
6-2	Viola Watts	John Watts	1951	D	200	2	Thp	-	35	11-1-61	JE $\frac{3}{4}$	D,S	N	
7-1	Rose Gore	Dean Griner	1951	D	40	2	Qt	-	35	11-1-61	JE $\frac{1}{2}$	D	N	
7-2	James Wiley	Unknown	1956	D	45	2	Qt	-	35	10-31-61	JE $\frac{3}{4}$	D	N	
8-1	W. T. Jameson	Otto Mann	1956	D	90	2	Qt	-	40	10-31-61	JE $\frac{1}{2}$	D,S	N	
8-2	Frank Farve	Dean Griner	1950	D	65	2	Qt	-	45	10-31-61	JE $\frac{1}{2}$	D,S	N	
9-1	do	Otto Mann	1955	D	65	2	Qt	-	25	11-2-61	CE $\frac{3}{4}$	D	N	
10-1	Henry Farve	J. Mann	1925	B	40	15	Qt	-	43	11-2-61	CE $\frac{1}{2}$	D,S	N	
11-1	W. J. Farve	Unknown	1940	D	70	2	Qt	-	50	10-31-61	JE $\frac{1}{2}$	D,S	N	
13-1	H. L. Beachmans	do	1954	D	36	2	Qt	-	25	11-1-61	JE $\frac{1}{2}$	D,S	N	
16-1	H. L. Kendrick	do	1951	D	60	2	Qt	-	40	11-1-61	CE $\frac{3}{4}$	D	N	
16-2	Neal Pooler	Hydrotane Co.	1955	D	60	2	Qt	-	30	11-1-61	JE $\frac{3}{4}$	D,S	N	
17-1	G. Heartfield	Jin Patterson	1956	D	250	2	Thp	-	12	11-1-61	CE $\frac{1}{4}$	D,S	N	
17-2	Jin Patterson	Unknown	1937	D	22	6	Qt	-	27.4	11-1-61	CE $\frac{1}{4}$	D	N	
18-2	J. C. Riley	S. Herrin	1959	D	36	8	Qt	-	127	10-31-61	CE $\frac{1}{2}$	D	N	Supplies water for general store, service station, home.
19-1	C. E. Notlen	Bruce Chris	1957	D	302	2	Thp	-	33.9	11-1-61	B	PS	N	
20-1	Ado Bond	Dean Griner	1956	D	42	8	Qt	-	60	10-31-61	CE $\frac{3}{4}$	D	N	
20-2	Hopewell Baptist Church	Congregation	1955	D	112	2	Qt	-	60	10-31-61	CE $\frac{3}{4}$	D	N	
21-1	Ethyl Traylor	Dean Griner	1955	D	60	2	Qt	-	60	10-31-61	CE $\frac{3}{4}$	D	N	
22-1	Max Smith	T. Mann	1954	D	160	4	Thp	-	50	10-31-61	CE $\frac{3}{4}$	D	N	Supplies water for service station.
22-2	Martha Mixon	Bidwell & Barker	1956	D	70	2	Qt	-	100	10-31-61	CE $\frac{3}{4}$	D	N	Water contains iron.
23-1	W. E. Barrett	Fowler Butane Co.	1955	D	197	2	Thp	-	29	11-2-61	JE $\frac{3}{4}$	D	N	
23-2	do	Hattiesburg Butane Co.	1961	D	46	2	Qt	-	70	10-31-61	JE $\frac{1}{2}$	D	N	
23-3	T. Davis	J. Mann	1952	D	85	2	Qt	-	80	11-2-61	JE $\frac{1}{2}$	D	N	
24-1	A. B. Byram	Sears, Roebuck & Co.	1955	D	50	10	Qt	-	40	11-2-61	JE $\frac{1}{2}$	D	N	
24-2	Cola Kendrick	Unknown	1950	D	160	2	Qt	-	12	11-17-61	JE $\frac{1}{2}$	D,S	N	Supplied water for 31 head of cattle.
25-1	J. T. Lott	Mr. Sedwell	1930	B	36	6	Qt	-	50	11-1-61	CE $\frac{1}{2}$	D,S	N	
25-2	K. N. Woodard	Mr. Snellgrove	1920	D	54.3	2	Thp	-	15	11-28-61	CE $\frac{1}{2}$	D	N	Water contains iron.
26-1	R. C. Collins	Hydrotane Co.	1953	D	510	2	Thp	-	389	11-28-61	CE $\frac{1}{2}$	D	N	Do
29-1	J. I. Souis	Dean Griner	1940	D	27	2	Qt	-	15	11-1-61	JE $\frac{3}{4}$	D,S	N	
29-2	S. M. White	Bill Riley	1945	B	48	-	Qt	-	-	-	B	D,S	N	Estimated discharge is $\frac{1}{2}$ to 1 gpm.
29-3	G. V. Gibson	C. Bennett	1951	S	-	-	Qt	-	-	-	B	D,S	N	
30-1	Vernon Green	Unknown	1948	D	44	2	Qt	-	35	11-1-61	JE $\frac{1}{2}$	D,S	N	
33-1	A. J. Bond	Unknown	1958	D	65	2	Qt	-	60	11-1-61	JE $\frac{1}{2}$	D	N	
34-1	G. B. Snellgrove	do	1961	D	70	2	Qt	-	30	11-1-61	JE $\frac{1}{2}$	D	N	
34-2	C. W. Woods	do	1960	B	27	8	Qt	-	27	11-8-61	JE $\frac{1}{2}$	D,S	N	S.C. 83.
35-1	Winnie Aultman	T. Mann	1961	D	70	2	Qt	-	30	11-8-61	JE $\frac{1}{2}$	D	N	Water contains iron. S.C. < 50.
35-2	G. N. Fillingame	Mr. Lee	1961	D	40	2	Qt	-	30	11-8-61	JE $\frac{1}{2}$	D	N	S.C. < 50.
D 1-1	R. L. Ward	Howard Watts	1950	D	50	8	Qt	-	55	11-8-61	JE $\frac{1}{2}$	D	N	Plugged back to 68 ft. S.C. 62.
2-1	Robert L. Rawls	C. L. Rawls	1960	D	97	2	Qt	-	32	11-8-61	JE $\frac{1}{2}$	D	N	S.C. < 50.
3-1	C. L. Rawls	Columbia Plumbing Co.	1949	D	103	2	Qt	-	30	11-2-61	JE $\frac{1}{2}$	D,S	N	
3-2	W. F. Rawls	Quick & Grice	1956	S	75	2	Qt	-	30	11-2-61	JE $\frac{1}{2}$	D,S	N	
4-1	Joe Aultman	Unknown	1949	D	55	2	Qt	-	80	11-6-61	JE $\frac{1}{2}$	D,S	N	S.C. < 50.
6-1	Floyd Evans	T. C. Cabiness	1952	D	120	2	Qt	-	-	-	CE $\frac{3}{4}$	D,S	N	S.C. < 50.
7-1	E. Patterson	Fowler Butane Co.	1954	D	200	4	Thp	-	30	11-6-61	JE $\frac{1}{2}$	D	N	S.C. < 50.
9-1	Beard & McKahan	Unknown	1950	D	65	4	Qt	-	25	11-6-61	JE $\frac{1}{2}$	D	N	
9-2	W. J. Edgar	Quick & Grice	1961	D	50	2	Qt	-	32	11-6-61	JE $\frac{1}{2}$	D	N	
11-1	Sam Rawls	Unknown	1956	D	64	2	Thp	-	75	11-10-61	JE -	D,S	N	Water contains iron.
11-2	Verna R. Fitzmorris	Mr. Dozier	1956	D	200	2	Thp	-	20	11-6-61	CE $\frac{3}{4}$	D,PS	N	Supplies water for service station and general store. S.C. < 50.
12-1	Albert Cole	do	1949	D	64	2	Qt	-	45	11-8-61	JE $\frac{1}{2}$	D	N	Do
13-1	A. G. McInterriff	do	1940	D	200	2	Thp	-	99	11-13-61	CE -	D,S	N	Do
14-1	Lawrence Nobles	do	1943	D	400	2	Thp	-	17.5	11-8-61	B	D	N	Inadequate supply during dry season.
14-2	J. D. Richardson	W. Cole	1958	D	40	2	Qt	-	10	11-6-61	JE $\frac{1}{2}$	D,S	N	Water contains iron.
15-1	Grady Rawls	Unknown	1940	D	65	8	Qt	-	45	11-8-61	JE $\frac{1}{2}$	D	N	S.C. < 50.
15-2	Harold Patterson	Bill Bedwell	1953	D	70	2	Qt	-	50	11-13-61	CE -	D,S	N	Do
15-3	Wash Souls	Mr. Price	1948	D	250	4	Thp	-	10	11-6-61	JE $\frac{1}{2}$	D,S	N	Water contains iron.
16-1	Dickey McClain	Mr. Knight	1948	B	24	8	Qt	-	75	11-6-61	JE $\frac{1}{2}$	D	N	S.C. < 50.
18-1	J. O. Bennett	Unknown	1945	D	128	2	Qt	-	15	11-7-61	JE $\frac{1}{2}$	D,S	N	Water contains iron. Supplies water for general store, service station and home.
19-1	Estes Lott	T. C. Cabiness	1940	D	50	8	Qt	-	120	11-7-61	CE $\frac{3}{4}$	D,PS	C	S.C. < 50.
20-1	Jack Dickens	Mr. Lee	1943	D	400	2	Thp	-	50	11-7-61	JE $\frac{1}{2}$	D	N	Do
20-2	Troy Whidden	do	1943	D	400	2	Thp	-	75	11-7-61	CE $\frac{3}{4}$	D,S	N	Do
23-1	Robert E. Smith	W. P. Hartfield	1958	D	76	8	Qt	-	70	11-8-61	JE $\frac{1}{2}$	D	N	S.C. < 50.
23-2	Allan Broome	Louis Well Co.	1957	D	132	2	Qt	-	80	11-6-61	JE $\frac{1}{2}$	D	N	Do
23-3	J. M. Burge	W. P. Hartfield	1961	D	90	2	Qt	-	20	11-8-61	JE $\frac{1}{2}$	D	N	Do
25-1	W. F. Steward	W. F. Steward	1941	D	86	7	Qt	-	100	11-7-61	JE $\frac{1}{2}$	D	N	Water contains iron. S.C. < 50.
25-2	Hasting Yawn	T. C. Cabiness	1957	D	80	2	Qt	-	100	11-7-61	JE $\frac{1}{2}$	D,S	N	Do
26-1	Charles Little	W. P. Hartfield	1959	D	36	2	Qt	-	40	11-7-61	JE $\frac{1}{2}$	D,S	N	First well abandoned; dry at 240 ft.
27-1	John W. Lott	T. C. Cabiness	1958	D	210	2	Thp	-	100	11-7-61	CE $\frac{3}{4}$	D,S	N	Do
28-1	Joe Stuart	do	1951	D	182	2	Thp	-	100	11-7-61	CE $\frac{3}{4}$	D,S	N	S.C. < 50.
28-2	C. Z. Robertson	Mr. Price	1951	D	90	2	Qt	-	40	11-7-61	JE $\frac{1}{2}$	D	N	Water contains iron.
29-1	Roy Miller	Benny Barber	1959	D	135	2	Qt	-	50	11-7-61	JE $\frac{1}{2}$	D	N	S.C. < 50.
29-2	V. A. Gibson	T. C. Cabiness	1955	D	182	2	Thp	-	147	11-6-61	CE $\frac{1}{2}$	D,S	C	Water contains iron.
30-1	Mary Lee Smith	Sears, Roebuck & Co.	1961	D	69	2	Qt	-	30	11-7-61	JE $\frac{1}{2}$	D,S	N	S.C. < 50.
31-1	Lawrence Nobles	Mr. Bedwell	1954	D	724	2	Thp	-	70	11-7-61	JE $\frac{1}{2}$	D,S	N	Do
31-2	Wesley Nobles	Mr. Arnold	1943	D	42	2	Qt	-	40	11-8-61	JE $\frac{1}{2}$	D,S	N	Supplies water for general store, home, shop. S.C. < 50.
32-1	Wesley Nobles	do	1955	D	70	8	Qt	-	40	11-8-61	JE $\frac{1}{2}$	D	N	Water contains iron.
32-2	Elma Nobles	Quick & Grice	1954	D	115	2	Qt	-	90	11-7-61	CE $\frac{1}{2}$	D,PS	N	Do
33-1	W. E. Radcliff	Unknown	1926	D	118	8	Qt	-	65	11-8-61	JE $\frac{3}{4}$	D	N	S.C. < 50.
34-1	Charles Parker	T. C. Cabiness	1946	D	109	2	Qt	-	40	11-8-61	JE $\frac{1}{2}$	D,S	N	Water contains iron.
34-2	A. Broome	do	1950	D	50	2	Qt	-	50	1961	CE $\frac{1}{2}$	D,S	N	Supplies water for general store and home.
36-1	L. Whitehead	do	-	D	60	2	Qt	-	85	11-7-61	CE $\frac{3}{4}$	D,PS	N	S.C. < 50.
36-2	W. A. Steward	W. P. Hartfield	1957	D	102	2	Qt	-	-	-	-	-	-	

Table 1.—(Continued)
LAMAR COUNTY

Well No.	Owner	Driller	Year drilled	Type of well	Depth of well	Diameter (inches)	Water-bearing unit	Depth to top of screen (ft.)	Water level	Date of measurement	Method of lift	Use of water	Water analysis	Remarks	
E 1-1	J. Z. Ward	Unknown	1956	D	40	2	Qt	-	15	11-24-61	JE 1/2	D,S	N	Supplies water to 30 cattle. S.C. < 50.	
2-1	Hughland Cranford	do	1952	D	150	2	Qt	-	70	11-20-61	CE 1/2	D	N	S.C. 240.	
3-1	Lewis Getwood	Lewis Well Co.	1956	D	250	2	Thp	-	75	11-20-61	CE 3/4	D	N	S.C. < 50.	
5-1	Floyd Hatten	Mr. Patterson	1959	D	60	8	Qt	-	20	11-20-61	JE 1/4	D	N	Do	
6-1	A. G. Gomb	Unknown	-	S	49	8	Qt	49	39	11-20-61	JE 1/2	D	N	Estimated discharge 1/2 gpm. Spring reported 100 years old by owner. S.C. < 50.	
7-1	H. C. Jordan	-	-	S	-	-	Qt	-	-	-	CE 1/2	D,S	N	Do	
7-2	R. E. Jones	R. H. Patterson	1957	D	21	6	Qt	-	17	11-27-61	JE 1/2	D	N	Used for 11 years; now abandoned.	
7-3	do	T. W. Hamilton	1946	D	133	2	Qt	-	78.7	11-27-61	-	N	N	Do	
8-1	R. L. Miller	Clinton Knight	1948	D	30	8	Qt	30	25	11-20-61	JE 1/2	D	N	Do	
9-1	M. L. Mills	Unknown	1944	D	60	2	Qt	-	30	11-24-61	JE 3/4	D,PS	N	Supplies general store, service station, home. S.C. < 50.	
9-2	do	T. C. Cabiness	1961	D	74	4	Qt	70	30	11-24-61	JE 1/2	D	N	Well not in use 11-24-61.	
9-3	Tom Bulloch	do	1961	D	75	2	Qt	28	22	11-24-61	CE 1/2	D,Ind	N	S.C. 99.	
10-1	James Gilder	Unknown	1957	D	115	2	Qt	-	40	11-21-61	JE 1/2	D	N	Water contains iron. S.C. 190.	
11-1	O. E. Hart	do	1943	D	300	2	Thp	-	100	11-20-61	CE 1	D,S	N	S.C. 70.	
11-2	James Barron	T. C. Cabiness	1961	D	26	2	Qt	-	16	11-20-61	CE 1/2	D	N	S.C. < 50.	
11-3	John E. Shumake	Unknown	1958	D	200	2	Thp	-	110	11-20-61	CE 1	D,S	N	Supplies 2 homes.	
12-1	Earl Nix	Fowler Rutane Co.	1956	D	242	2	Thp	334	75	11-22-61	JE 3/4	D,S	N	Water contains iron. S.C. < 50.	
12-2	W. L. Saucier	Bill Redwell	1949	D	282	2	Thp	274	80	11-27-61	JE 3/4	D,S	N	Water contains iron.	
13-1	Hal Fox	Quick & Grice	1960	D	500	4	Thp	-	75	11-22-61	SE 3	D,PS	C	Do	
14-1	Margaret Laird	Unknown	1951	D	40	2	Qt	-	20	11-22-61	JE 3/4	D	N	S.C. < 50.	
14-2	R. E. Weathers	R. H. Patterson	1941	D	32	8	Qt	-	20	11-22-61	JE 3/4	D	N	Do	
15-1	B. R. Hatten	R. H. Hatten	1961	D	28	2	Qt	-	16	11-24-61	JE 1/2	D	N	Do	
15-2	G. C. Godair	Unknown	1949	D	30	8	Qt	30	-	-	JE 1/2	D	N	Do	
16-1	E. L. Cameron	W. P. Hartfield	1951	D	37	2	Qt	-	25	11-20-61	CE 3/4	D	N	S.C. < 50.	
17-1	Henry Herrington	Unknown	1946	D	68	4	Qt	-	18	11-20-61	JE 3/4	D,S	N	Water contains iron.	
18-1	C. T. Cole	Clinton Knight	1942	D	75	2	Qt	-	30	11-20-61	JE 1/2	D,S	N	S.C. < 50.	
18-2	Henry Herrington	Unknown	1955	D	50	2	Qt	-	30	11-20-61	JE 3/4	D,PS	N	Water contains iron; supplies water for six cottages.	
18-3	do	do	1961	D	-	2	Qt	-	30	11-20-61	JE 1/2	PS	N	Do	
18-4	do	do	-	D	135	2	Qt	-	50	11-20-61	CE 1/2	PS	N	Do	
19-1	T. A. Burgess	do	1954	D	50	2	Qt	-	15	11-20-61	CE 1/2	D,S	N	Water contains iron. S.C. < 50.	
22-1	S. E. Norton	do	1930	D	85	8	Qt	-	71	11-20-61	CE 3/4	D,S	N	Do	
22-2	Bill Cole	R. H. Patterson	1961	D	24	8	Qt	-	12	11-20-61	JE 1/2	D	N	S.C. < 50.	
23-1	C. M. Smith	Unknown	1961	D	111	2	Qt	-	61	11-24-61	JE 1/2	D,S	N	Do	
23-2	George T. Edward	do	1942	D	28	2	Qt	-	20	11-22-61	CE 1/2	D,S	N	S.C. 75.	
23-3	Harvey Taylor	Dean Griner	1956	D	187	2	Thp	183	75	11-22-61	CE 1/2	D,S	N	Do	
25-1	Herbert Drain	Unknown	-	D	100	2	Qt	-	40	11-22-61	JE 3/4	D	N	Do	
25-2	D. B. Stuart	R. H. Patterson	1918	D	30	2	Qt	-	15	11-22-61	JE 3/4	D,PS	N	S.C. < 50.	
26-1	G. W. Collins	Mr. White	1950	D	50	2	Qt	-	30	11-22-61	CE 3/4	D	N	Water contains iron.	
26-2	do	Unknown	1955	D	420	2	Thp	-	30	11-27-61	CE 1	D	N	Do	
26-3	E. W. Mathews	do	1940	D	80	2	Qt	-	93	50	11-20-61	JE 3/4	D,Ind	N	Water contains iron; supplies water for 18,000 chickens.
27-1	K. Barren	Quick & Grice	1956	D	97	2	Qt	-	75	11-20-61	JE 3/4	D	N	Do	
27-2	Irene Holston	Unknown	1959	D	100	2	Qt	-	10	11-27-61	JE 3/4	D	N	Do	
27-3	W. Downing	do	1945	D	30	8	Qt	-	19	11-27-61	JE 1/2	D,S	N	Supplies water for 2 homes. S.C. < 50.	
28-1	B. H. Clark	P. F. Hatten	1949	D	31	8	Qt	-	26	11-24-61	JE 1/2	D,S	N	Do	
28-2	T. H. Brewer	T. C. Cabiness	1949	D	76	2	Qt	66	42	11-20-61	JE 1	D,S	N	Do	
29-1	Robert Howell	do	1960	D	160	3	Thp	-	65	11-20-61	JE 3/4	D,PS	N	Supplies water for general store, service station.	
29-2	Lamar County School	Priest & Son	1959	D	100	4	Qt	-	50	11-24-61	SE 2	PS	N	Supplies water for 530 students and four homes. S.C. < 50.	
29-3	D. H. Thornton	Clinton Knight	1921	D	65	8	Qt	-	15	11-24-61	CE 3/4	D	N	S.C. < 50.	
30-1	J. A. Cameron	W. P. Hartfield	1951	D	60	2	Qt	-	30	11-22-61	CE 1/2	D,S	N	Do	
30-2	W. L. Howell	Sears, Roebuck & Co.	1959	D	160	2	Thp	-	-	-	CE 3/4	D	N	Do	
31-1	J. M. Hughes	W. P. Hartfield	1959	D	80	2	Qt	74	60	11-22-61	CE 1/3	D,S	N	Water contains iron. S.C. < 50.	
31-2	B. F. McMahon	do	1956	D	65	2	Qt	60	50	11-22-61	JE 3/4	D	N	S.C. < 50.	
32-1	Della Cameron	do	1952	D	70	2	Qt	64	30	11-22-61	CE 3/4	D	N	Do	
32-2	J. E. McMahon	T. C. Cabiness	1956	D	68	2	Qt	-	40	11-22-61	CE 3/4	D,S	N	Water contains iron. S.C. < 50.	
32-3	M. C. Gerard	Unknown	1951	D	125	2	Qt	-	60	11-24-61	JE -	D,S	N	S.C. < 50.	
33-1	C. C. Crosby	do	1958	D	110	2	Qt	-	60	11-27-61	CE -	D	N	Do	
34-1	W. S. Clark	do	1950	D	-	3	Qt	-	25	11-22-61	JE -	D,S	N	S.C. < 50.	
35-1	Sant Myer	Mac Tins	1940	D	85	2	Qt	-	50	11-22-61	CE 3/4	D,S	N	Water contains iron. S.C. 67.	
35-2	Otis Brooks	T. C. Cabiness	1958	D	80	2	Qt	-	15	11-22-61	JE -	D	N	S.C. < 50.	
36-1	C. L. Deas	Unknown	1956	D	-	2	Qt	-	25	11-22-61	JE 3/4	D,S	N	Water contains iron.	
F 1-1	Sally Davis	Mr. Davis	1953	B	52	6	Qt	-	36.3	9-22-61	B	D,S	P	Do	
1-2	Burket Breazeale	Unknown	1940	D	40	6	Qt	-	19	11-2-61	JE 1/2	D,S	N	Supplies water for two homes.	
1-3	J. E. Rowell	do	1938	D	32	2	Qt	-	-	-	JE 1/2	D,S	N	Water contains iron.	
2-1	Ross Beatty	T. C. Cabiness	1947	-	40	4	Qt	-	-	-	JE 1/3	D,S	P	Do	
4-1	M. W. Dunn	do	-	-	-	-	Qt	-	-	-	CE 1/3	D,S	P	Do	
6-1	J. S. Riley	J. E. Pendorvis	1958	B	-	-	Qt	-	-	-	CE 1/3	D,S	P	Do	
7-1	Allan Ball	Dean Griner	1959	D	299	2	Thp	-	40	9-22-61	JE 1/2	D,S	P	Water has blue color at times.	
7-2	M. H. Entekin	W. P. Hartfield	1955	B	68	2	Qt	-	-	-	CE 1/3	D	C,P	Inadequate supply.	
8-1	W. G. Lett	Mr. Shinkles	1950	B	38	6	Qt	-	-	-	CE 3/4	D,S	P	Do	
8-2	Lomnie Thompson	Dean Griner	1954	D	310	2	Thp	-	-	-	CE 1/3	D,S	P	Do	
19-1	Jack Spears	do	1951	D	110	2	Qt	-	80	1951	CE 1/2	D,S	P	Do	
19-2	do	Columbia Plumbing Co.	1960	D	116	2	Qt	-	80	1960	CE 1/2	D,S	P	Do	
19-3	Ralph Turner	Ralph Turner	1951	D	110	2	Qt	-	80	1951	CE 1/2	D,S	P	Water contains iron.	
19-4	Jack Spears	Unknown	1956	D	80	2	Qt	-	60	1956	CE 3/4	D,S	P	Do	
19-5	John Ball	John Ball	1947	B	72	2	Qt	-	-	-	CE 1/3	D,S	P	Do	
23-1	J. C. Cameron	J. C. Cameron	1939	B	72	6	Qt	-	64	1939	JE 3/4	D,S	P	Do	
24-1	Walton Cameron	Dean Griner	1954	D	112	2	Qt	-	60	1954	CE 1/2	D,S	P	Do	
25-1	John Gipson	John Gipson	1958	D	82	2	Qt	-	-	-	CE 1/2	D,S	C	Do	
25-2	Buel Bryant	Unknown	1945	B	80	3	Qt	-	-	-	CE 1/3	D,S	C	Do	
26-1	T. W. Roseberry	T. C. Cabiness	1951	D	107	2	Qt	-	67	1- -61	JE 1	D,S	N	Do	
27-1	Virgil Smith	Dean Griner	1956	D	100	2	Qt	-	-	-	JE 1/2	D,S	P	Do	
27-2	do	do	1954	D	100	2	Qt	-	-	-	JE 1/2	D,S	P	Do	
27-3	do	do	1954	D	100	2	Qt	-	10	1961	CE 1/3	D,S	P	Do	
29-1	Mrs. D. Saucier	Buddy Bryant	1960	D	279	2	Thp	271	80	1960	CE 3/4	S	C	Supplies water for 31,500 chickens.	
29-2	Earl Beach	Sedion House	1953	D	279	2	Thp	269	80	-	CE 3/4	D,S	P	Supplies water for two homes.	
29-3	do	do	1953	D	279	2	Thp	269	80	-	CE 3/4	D,S	P	Do	
29-4	Mountain Saucier	Unknown	1958	S	103	2	Qt	101	-	-	CE -	D,S	N	Do	
29-5	G. A. Gipson	do	1929	S	110	6	Qt	-	80	-	CE 1/2	D,S	P	Do	
29-6	M. L. Thompson	Columbia Plumbing Co.	1961	D	90	2	Qt	87	80	1961	CE 1/2	D,S	P	Do	
29-7	Edward Smith	do	1956	B	76	2	Qt	74	71	1956	CE 1/2	D,S	P	Do	
29-8	Clyde Thompson	Clyde Thompson	1950	B	80	4	Qt	-	7.6	9-22-61	B	D,S	P	Do	
30-1	Harold Bolin	Dean Griner	1958	D	80	2	Qt	75	-	-	JE 3/4	D,S	P	Do	
30-2	do	Unknown	1950	D	80	2	Qt	75	-	-	CE 1/3	D,S	P	Do	
31-1	L. R. Harvey	Dean Griner	1957	D	31	2	Qt	26	-	1957	CE 1	D,S	P	Do	
31-2	Sara Entwain	Unknown	1950	D	100	2	Thp	-	-	-	CE 1/2	D,S	P	Do	
31-3	do	T. C. Cabiness	1951	D	230	2	Thp	-	20	1951	CE 1	D,S	P	Do	
31-4	Vernon Gipson	Dean Griner	1958	D	260	2	Thp	-	80	1958	CE 1/2	D,S	P	Do	
35-1	USGS	R. L. Goemant	1961	B	35	1 1/2	Qt	34	12.0	6-23-61	JE 1/2	N	N	Observation well.	
36-1	Levall Slade	T. C. Cabiness	1947	B	63	2	Qt	-	16	1947	JE 1/2	D,S	P	Do	
36-2	Will Gipson	Al Lowe	1921	B	82	6	Qt	-	62	-	JE 1/2	D,S	P	Do	
36-3	B. M. Gipson	T. C. Cabiness	1949	B	74	2	Qt	-	62	-	JE 1/2	D,S	P	Do	
36-4	Bessie Anderson	W. P. Hartfield	1958	B	82	3	Qt	-	67	1958	CE 1/3	D,S	P	Do	
36-5	J. C. Gipson	Unknown	1949	B	75	8	Qt	-	67	-	JE 1/2	D,S	P	Do	
36-6	USGS	R. L. Goemant	1961	B	42	2	Qt	-	26.4	6-23-61	-	N	N	Observation well.	

Table 1.--(Continued)
LAMAR COUNTY

Well No.	Owner	Driller	Year drilled	Type of well	Depth of well (ft.)	Diameter (inches)	Water-bearing unit	Depth to top of screen (ft.)	Water level	Date of measurement	Method of lift	Use of water	Water analysis	Remarks
G 1-1	Sam Grantham	J. Young	1959	B	13	6	Qt	-	7.2	10-5-61	B	D,S	N	
2-1	J. H. Mosley	Clinton Night	1952	B	38	8	Qt	-	25.2	10-4-61	B	D	N	
3-1	Listen Bounds	Unknown	1929	B	30	6	Qt	-	-	-	B	D,S	N	
3-2	Floyd Madden	Floyd Madden	1947	D	29	6	Qt	-	18	9-29-61	B	D,S	N	
3-3	Read Bennett	do	1951	D	54	8	Qt	-	20	9-26-61	B	D	N	
3-4	Hallon Cameron	T. C. Cabiness	1960	D	125	6	Qt	-	-	-	JE 1/2	D,S	N	Supplies water for two homes.
4-1	J. E. Martin	Herman Parker	1961	D	45	2	Qt	-	18	9-29-61	JE 1/2	D,S	N	
4-2	Kernalt Nobles	Unknown	1950	D	40	2	Qt	-	-	-	CE 1/2	D,S	N	
4-3	Ed Nobles	do	-	D	-	8	-	-	-	-	JE 1/2	D	N	Supply inadequate. Flow estimated 1/2 gpm.
8-1	David Grantham	-	-	S	-	-	Qt	-	Flowing	-	-	D	N	
9-1	J. M. Yawn	J. M. Yawn	1955	D	40	8	Qt	-	30	9-29-61	B	D,S	N	
11-1	J. L. Altman	Unknown	-	B	65	6	Qt	-	25	9-24-61	JE 1/2	D,S	N	
12-1	Bud Boone	L. E. Berkhoff	-	B	65	2	Qt	-	40	9-29-61	JE 1/2	D	N	Water contains iron.
12-2	E. P. Clark	T. C. Cabiness	1959	D	40	2	Qt	-	20	10-4-61	JE 1/2	D,S	N	
14-1	T. Davis	do	-	D	137	2	Qt	-	100	9-29-61	CE 1/2	D,S	C	Water contains iron.
14-2	Luther Lee	do	1956	D	65	2	Qt	-	-	-	JE 1/2	D,S	N	
16-1	Tatum Lumber Co.	do	1957	D	36	4	Qt	-	-	-	JE 1/2	D,S	N	
16-2	do	do	1948	D	46	4	Qt	-	-	-	JE 1/2	D	N	
17-1	Earl Nobles	Earl Nobles	1953	B	30	8	Qt	-	13.2	9-25-61	B	D,S	N	
18-1	Tatum Lumber Co.	T. C. Cabiness	1949	D	34	4	Qt	-	18	1949	JE 1/2	D,S	P	
18-2	do	do	1957	D	36	4	Qt	-	18	1957	JE 1/2	D,S	P	
19-1	W. R. Burge	W. P. Hartfield	1957	B	76	3	Qt	-	67	1957	CE 1/2	D,S	P	
19-3	Hanna Sunall	T. C. Cabiness	1949	D	106	3	Qt	-	93	1949	CE 1/2	D,S	P	
22-1	Wilmer Haden	Wilmer Haden	1951	B	40	2	Qt	-	-	-	JE 1/2	D,S	N	
22-2	Monroe Lott	Unknown	-	D	60	2	Qt	-	-	-	CE 1/2	D	N	
23-1	Jim Cagle	Jim Cagle	1946	B	70	6	Qt	-	40	10-4-61	JE 1/2	D,S	N	
24-1	J. Lee	T. C. Cabiness	1957	D	58	2	Qt	-	40	10-4-61	JE 1/2	D,S	N	
25-1	K. W. Breeseale	do	1950	D	-	2	Qt	-	40	10-4-61	JE 1/2	D,S	N	
25-2	Jack Cooper	do	1950	D	-	2	Qt	-	40	10-4-61	JE 1/2	D,S	N	
26-1	D. M. Marrow	D. M. Marrow	1949	B	40	2	Qt	-	42	9-25-61	CE 1/2	D,S	N	
26-2	N. Q. Hickman	D. C. Marrow	1948	B	50	2	Qt	-	36	9-25-61	JE 1/2	D,S	N	
26-3	D. C. Boutwell	Unknown	-	D	40	2	Qt	-	40	9-25-61	JE 1/2	D	N	
26-4	Harold Williamson	do	-	D	80	3	Qt	-	-	-	JE 1/2	D,S	N	
27-1	Alvin Johnson	Alvin Johnson	1951	B	65	2	Qt	-	40	10-4-61	JE 1/2	D,S	N	
27-2	Everett Cameron	Mr. Johnson	1951	D	68	2	Qt	66	28	8-21-61	CE 1/2	D,S	P	
27-3	do	W. P. Hartfield	1947	B	45	2	Qt	41	20	1947	CE 1/2	D,S	N	Water contains iron.
27-4	W. C. Cook	W. C. Cook	1946	D	35	2	Qt	-	30	1946	CE 1/2	D,S	P	
29-1	C. W. Cox	Unknown	1947	D	67	2	Qt	-	53	9-29-61	CE 1/2	D,S	N	Water contains iron; stains clothes and utensils.
30-1	Hubert Bounds	W. P. Hartfield	1956	B	81	2	Qt	-	59	1956	CE -	-	P	
30-2	Everett Cameron	Johnson & Hartfield	1955	B	86	2	Qt	-	35	1955	CE 1/2	D,S	P	
34-2	J. H. Padgett	J. H. Padgett	1951	D	52	2	Qt	-	-	-	CE 1/2	D,S	P	
34-3	R. L. Broome	Unknown	1951	B	70	8	Qt	-	40	1951	CE -	D,S	P	
35-1	John Cagle	John Cagle	1951	D	55	8	Qt	-	30.2	9-25-61	B	D	N	
35-2	D. E. Marrow	T. C. Cabiness	1955	D	71	2	Qt	66	-	-	JE 1/2	D,S	N	
35-3	Henry Carr	Henry Carr	1947	B	66	2	Qt	60	30	9-25-61	CE 1/2	D,S	N	
36-1	Hershel Smith	W. P. Hartfield	1959	D	40	2	Qt	-	30	10-4-61	JE 1/2	D	N	
H 4-1	A. F. Thornton	Unknown	1952	D	60	2	Qt	-	40	10-16-61	JE 3/4	D,S,Ind	N	Supplies water for 18,000 chickens. S.C. < 50.
5-1	S. L. McSwain	T. C. Cabiness	1949	D	90	2	Qt	-	-	-	JE 1/2	D	N	S.C. < 50.
5-2	Ray Simmons	Mr. Knight	1944	D	54	8	Qt	-	36.9	10-16-61	B	D,S	N	S.C. 72.
6-1	A. G. Stewart	W. P. Hartfield	1957	D	50	2	Qt	45	61	11-22-61	JE 1/2	D,S	N	S.C. < 50.
6-2	J. R. McMurray	Quick & Grice	1956	D	100	2	Qt	-	-	-	CE 1/2	D,S	N	Do
7-1	E. Bounds	T. C. Cabiness	1940	D	100	2	Qt	-	-	-	CE 1/2	D,S	N	S.C. 66.
8-1	Julius Madden	Julius Madden	1956	D	55	6	Qt	-	28.9	10-16-61	B	D,S	N	S.C. 105.
8-2	W. L. Morgan	Unknown	1959	B	23	6	Qt	-	7.3	10-4-61	B	D	N	
9-1	Gary Slade	W. P. Hartfield	1954	D	78	2	Qt	-	38	10-16-61	CE 3/4	D,S	N	S.C. 52.
13-1	R. Posey	Tatum Lumber Co.	1925	D	35	2	Qt	-	30	10-17-61	CE 1/2	D	N	Formerly supplied water for 20 families. S.C. < 50.
14-1	Dora Slade	T. C. Cabiness	1954	D	125	2	Qt	-	65	10-17-61	CE 1/2	D,S	N	S.C. < 50.
16-1	Ernest Anderson	Ernest Anderson	1955	D	20	2	Qt	16 1/2	12	10-16-61	P	D	N	Do
16-2	A. J. O'Gwynn	A. J. O'Gwynn	1951	B	24	2	Qt	19	16	10-16-61	JE 1/2	D,S	N	Water contains iron. S.C. 150.
19-1	Oscar Whiddon	T. C. Cabiness	1956	D	76	4	Qt	70	50	10-6-61	JE 3/4	D,S	N	S.C. < 50.
19-2	Ben Hartfield	Ben Hartfield	1950	B	65	2	Qt	-	-	-	JE 1/2	D,S	N	
19-3	Wayne Hartfield	W. P. Hartfield	1953	D	43	2	Qt	37	20	11-29-61	CE 1/2	D,S	N	
20-1	C. G. Whiddon	do	1940	D	80	2	Qt	-	50	10-16-61	JE 3/4	D	N	S.C. 70.
23-1	Quick & Grice	Quick & Grice	1956	D	455	2	Thp	-	90	10-17-61	CE 1	D	C	S.C. 60.
23-2	T. L. Pierpont	W. P. Hartfield	1945	D	36	8	Qt	36	20	10-17-61	JE 1/2	D	N	Inadequate supply after long dry period.
23-3	Pontiac-Eastern Refinery	-	1945	D	60	6	Qt	-	40	10-16-61	JE 3/4	D	N	S.C. 485.
24-1	B. F. Crutchfield	Unknown	1946	D	40	2	Qt	-	32	10-16-61	CE 1/2	D	N	
25-1	Joyce Hill	Mr. Hill	1961	B	30	8	Qt	-	12	10-17-61	B	Ind	N	Supply may be inadequate.
26-1	Turner Terminal Co.	T. C. Cabiness	1961	D	65	3	Qt	-	-	-	JE 3/4	Ind	N	
28-1	Pontiac-Eastern Refinery	Layne-Central Co.	1957	D	911	16	Th	841	200	1957	TE 50	Ind	N	Supplied 2,650 gpm daily. Reduced to 1,450 gpm in 1962.
28-2	do	do	1957	D	890	16	Th	820	181	1957	TE 100	Ind	N	Do
28-3	do	do	1957	D	904	16	Th	904	196	1957	TE 100	Ind	N	Do
29-1	W. R. Boone	Sears, Roebuck & Co.	1959	D	215	2	Thp	-	50	11-29-61	JE 3/4	D	N	
29-2	do	Unknown	1934	B	58	12	Qt	-	54	11-29-61	-	D	N	
30-1	James T. Bowman	T. C. Cabiness	1959	D	90	4	Qt	86	-	-	JE 1/2	D	N	S.C. < 50.
31-1	B. S. Bowman	do	1957	D	-	2	-	-	-	-	JE 1/2	D,S	N	Do
32-1	Arvid Johnson	W. P. Hartfield	1959	D	70	2	Qt	70	60	10-16-61	CE 3/4	D,S	N	Do
32-2	E. Soye	John Hudren	1935	D	68	6	Qt	68	35-40	10-16-61	JE 1/2	D,S	N	Do
33-1	J. A. Simons	W. P. Hartfield	1960	D	68	2	Qt	65	40	10-16-61	JE 1/2	D	N	Do
34-1	Lamar Terminal Co.	T. C. Cabiness	1961	D	60	4	Qt	-	20	8-25-61	SE 1/2	PS	N	
36-1	L. F. Adams	Lester & Adams	1939	D	40	10	Qt	-	25	10-17-61	B	D,S	N	
J 1-1	Horace W. Burge	Horace W. Burge	-	D	130	2	Qt	112	99	1959	CE 1/2	D,S	N	
1-2	Edith Hickman	Mr. Hickman	-	D	50	2	Qt	-	-	-	JE 1/2	D,S	N	Well abandoned.
1-3	do	Unknown	-	B	50	8	Qt	-	-	-	-	D	N	
1-4	Horace W. Burge	Horace W. Burge	-	B	29	6	-	-	16.7	1-30-61	B	D,S	C	
1-5	Levi Bryant	Levi Bryant	1940	D	250	-	-	-	-	-	-	D	N	Well abandoned.
1-6	USGS	R. L. Goenast	1961	B	92	1 1/2	Qt	63	32.0	6-23-61	-	N	N	Observation well completed at 65 ft.
2-1	J. P. Higginbotham	Unknown	1953	B	20	8	Qt	-	7.2	1-30-61	CE 1/2	D,S	N	No water; well filled.
2-2	Mrs. A. C. Mills	T. C. Cabiness	1954	D	300	2	-	-	-	-	-	N	N	Test hole; filled.
2-3	USGS	R. L. Goenast	1961	B	20	-	Qt	-	10.4	5-12-61	-	N	N	Dry test hole; filled.
3-1	do	do	1961	B	15	-	-	-	-	-	-	N	N	
3-2	W. E. Brown	W. E. Brown	1955	B	30	1 1/2	Qt	27	2	1961	CE -	D,S	N	Dry test hole; filled.
3-3	USGS	R. L. Goenast	1961	B	15	-	-	-	-	-	-	N	N	Do
3-4	do	do	1961	B	5	-	-	-	-	-	-	N	N	
4-1	A. S. Whiddon	Leo Ladner	1960	D	212	2	Thp	-	-	-	CE 3/4	D,S	C	
4-2	Albert Lee	Dean Griner	1959	D	185	2	Thp	-	-	-	JE 1/2	D,S	N	
4-3	Herman Gibson	do	1956	D	185	2	Thp	-	40	1956	JE 1/2	D,S	N	
4-4	G. M. Thompson	Unknown	1940	B	21	1 1/2	Qt	-	6	1940	CE 1/3	D,S	C	
4-5	Harry O. Thompson	W. P. Hartfield	1956	B	31	2	Qt	-	-	-	-	N	N	Well abandoned.
4-6	Jack Herrington	Jack Herrington	1952	B	20	2	Qt	-	6	1961	JE -	D,S	N	
4-7	Duval Sones	W. P. Hartfield	1959	B	40	2	Qt	39	28	1959	JE 1/2	D,S	P	Water contains iron.
4-8	Ben F. Sones	Dean Griner	1959	D	196	2	Thp	182	60	1959	JE 3/4	D,S	P	
4-9	do	Unknown	1951	B	19	6	Qt	-	8.0	8-4-61	B	D,S	P	

Table 1.--(Continued)

LAMAR COUNTY

Well No.	Owner	Driller	Year drilled	Type of well	Depth of well (ft.)	Diameter (inches)	Water-bearing unit	Depth to top of screen (ft.)	Water level		Method of lift	Use of water	Water analysis	Remarks
									Below land-surface datum (ft.)	Date of measurement				
J 5-1	Henry Bolin	Unknown	-	B	30	6	Qt	-	15	7- -61	B	D,S	P	
5-2	Perry Lee	Perry Lee	1961	B	25	1 1/2	Qt	21	18	7-18-61	JE 1/2	D,S	P	
5-3	Rufus Saucier	Columbia Plumbing Co.	1960	D	225	2	Thp	221	65	7-18-61	JE 3/4	D,S	C	
5-4	Lewis Rayborn	Dean Griner	1960	D	168	2	Thp	163	65	1960	JE 3/4	D,S	P	
5-5	Howard Smith	do	1961	D	212	2	Thp	207	60	4- -61	JE 3/4	D,S	P	
7-1	Albert Pittman	Albert Pittman	1956	B	15	2	Qt	12	10	7- -61	JE -	D,S	P	
7-2	Tom Smith	Tom Smith	1949	B	20	2	Qt	18	13	7-18-61	CE 1/3	D,S	P	
8-1	Ellis B. Smith	Al Love	1949	B	32	6	Qt	-	23.2	8- -3-61	JE 1/2	D,S	N	Supplies water for 20,000 chickens.
8-2	Fred Love	Dean Griner	1953	D	258	2	Thp	254	126	1953	CE 2 1/2	D,S	N	Supplies water for 5,000 chickens.
8-3	Tom Malley	S. Rouse	1949	D	280	2	Thp	275	70	1949	CE 1/2	D,S	P	
8-4	James Boler	Dean Griner	1959	D	280	2	Thp	275	70	1959	CE 1/2	D,S	P	
8-5	Marge Arrington	do	1957	D	191	2	Thp	186	50	1957	JE 1/2	D,S	P	
8-6	Buster Carroll	Buster Carroll	1959	B	20	1 1/2	Qt	16	10	1959	P	D,S	P	
10-1	Toxie Speights	Unknown	-	B	43	1 1/2	Qt	-	-	-	JE 1/3	D,S	C,P	Observation well.
10-2	USGS	R. L. Goemaat	1961	B	72	1 1/2	Qt	49	32.2	6-23-61	-	N	N	Test hole; filled.
10-3	do	do	1961	B	44	4 1/2	Qt	-	23.8	5-12-61	-	N	N	Test well, No. 4.
11-1	Freeport Sulphur Co.	Freeport Sulphur Co.	1941	D	1049	16 1/2	-	-	-	-	-	N	N	Test well, No. 5.
11-2	do	do	1941	D	1570	16 1/2	-	-	-	-	-	N	N	Test well, No. 9.
11-3	do	do	1941	D	1299	16 1/2	-	-	-	-	-	N	N	Test well, No. 10.
12-1	Fred Dobson	Unknown	1948	B	47	8	Qt	-	26.6	3-22-61	B	D,S	N	
12-2	D. D. Routwell	W. P. Hartfield	1951	D	90	2	Qt	85	-	-	CE 1/2	D,S	N	Water contains iron.
12-3	C. H. McGraney	Marvin Bell	1951	B	60	2	Qt	55	30	1951	JE 1/2	D,S	N	
12-4	USGS	R. L. Goemaat	1961	B	92	-	Qt	-	55.0	5-18-61	-	N	N	Test hole; filled.
12-5	do	Tom Pool	1962	B	62	1 1/2	Qt	60	32.3	12- -7-62	-	N	C	Observation well.
13-1	Willmut Gas & Oil Co.	Freeport Sulphur Co.	1942	D	7710	16 1/2	-	-	-	-	-	N	N	Oil test, No. 2.
13-2	do	do	1942	D	4461	16 1/2	-	-	-	-	-	N	N	Oil test, No. 4.
13-3	Rumble-Hibernia	Index Drilling Co.	1960	D	6010	5	Thp	-	-	-	-	N	C,R	Oil test, No. 1; later completed in No. 2 aquifer.
13-4	Plains-Hibernia	Plains Production Co.	1951	D	5864	8 3/4	-	-	-	-	-	N	N	Oil test, No. 1.
13-5	Freeport Sulphur Co.	Freeport Sulphur Co.	1941	D	2095	16	-	-	-	-	-	N	N	Test hole, No. 7.
13-6	do	do	1941	D	1223	16	-	-	-	-	-	N	N	Test hole, No. 8.
14-1	USGS	R. L. Goemaat	1961	B	42	1 1/2	Qt	40	22.5	6-23-61	-	N	C	Observation well.
14-2	do	do	1961	B	32	4 1/2	Qt	-	19.4	5-17-61	-	N	N	Test hole; filled.
14-3	do	do	1961	B	30	4 1/2	Qt	-	Dry	5-19-61	-	N	N	Do
14-4	do	do	1961	B	40	4 1/2	Qt	-	Dry	5-19-61	-	N	N	Do
14-5	do	do	1961	B	35	4 1/2	Qt	-	22.0	5-31-61	-	N	N	Do
14-6	do	do	1961	B	35	4 1/2	Qt	-	20.0	5-31-61	-	N	N	Do
14-7	do	do	1961	B	70	4 1/2	Qt	-	24.5	5-31-61	-	N	N	Do
14-8	Willmut Gas & Oil Co.	Willmut Gas & Oil Co.	1942	D	1695	9 5/8	-	-	-	-	-	N	N	Oil test, No. 1.
14-9	do	do	1942	D	6669	9 5/8	-	-	-	-	-	N	N	Oil test, No. 3.
14-10	do	do	1942	D	9567	9 7/8	-	-	-	-	-	N	N	Oil test, No. 1.
14-11	Shell-Hibernia	Shell Oil Co.	1941	D	1995	16 1/2	-	-	-	-	-	N	N	Test hole, No. 1.
14-12	Freeport Sulphur Co.	Freeport Sulphur Co.	1941	D	2037	16	-	-	-	-	-	N	N	Test hole, No. 2.
14-13	do	do	1941	D	1548	16	-	-	-	-	-	N	N	Test hole, No. 3.
14-14	do	do	1941	D	1554	-	-	-	-	-	-	N	N	Test hole, No. 6.
15-1	USGS	R. L. Goemaat	1961	B	92	4 1/2	Qt	-	-	-	-	N	N	Test hole; filled.
15-2	do	do	1961	B	87	4 1/2	Qt	-	12.2	5-10-61	-	N	N	Do
15-3	do	do	1961	B	55	4 1/2	Qt	-	1.3	5-10-61	-	N	N	Do
15-4	do	do	1961	B	55	4 1/2	Qt	-	2.6	5-11-61	-	N	N	Do
15-5	do	do	1961	B	65	4 1/2	Qt	-	8.2	5-11-61	-	N	N	Do
15-6	do	do	1961	B	65	4 1/2	Qt	-	11.8	5-11-61	-	N	N	Do
15-7	do	Tom Pool	1962	B	42	2	Qt	40	19.6	10-11-62	-	N	N	Observation well.
16-1	Benny Smith	W. P. Hartfield	-	B	60	8x2	Qt	-	40	1961	CE 3/4	D,S	C	
16-2	Jessie Smith	do	1956	B	60	8	Qt	-	40	1956	CE 1/3	D,S	N	
16-3	Otho Johnson	Otho Johnson	1930	B	90	12	Qt	-	70	1960	CE 1/3	D,S	N	
16-4	Edgar Smith	Dean Griner	1959	B	70	8	Qt	65	50	1959	CE 1/3	D,S	N	
16-5	Vardaman Griffith	Vardaman Griffith	1956	B	55	6	Qt	-	51.8	2-14-61	B	D,S	N	Water contains iron.
16-6	Joe T. Smith	W. P. Hartfield	1956	B	70	2	Qt	67	60	1956	CE -	D,S	C	
16-7	Wylie Smith	Allen Love	1949	B	66	6	Qt	-	45.9	8- -3-61	B	D,S	P	Supplies water for 16,000 chickens.
16-8	do	W. P. Hartfield	1959	B	70	2	Qt	67	60	1959	CE 1/3	D,S	P	Water contains iron.
16-9	Mrs. J. J. Smith	Allen Love	1946	B	70	6	Qt	-	60	1946	JE 1/2	D,S	P	Water contains iron.
16-10	Archie Sistrunk	do	1951	B	39	6	Qt	-	15	1951	B	D,S	P	Water contains iron.
16-11	Mark Love	do	1952	D	100	2	Qt	-	80	1952	JE 1	D,S	P	Observation well.
16-12	Elden Smith	Elden Smith	-	B	66	8	Qt	-	48.0	8- -3-61	-	N	N	Water contains iron.
16-13	Oscar Burge	Allen Love	1949	B	73	8	Qt	70	61.8	8- -3-61	CE 1/2	D,S	P	
16-14	Clifton May	Clifton May	1957	B	70	2	Qt	67	60	1957	CE 1/2	D,S	P	
16-15	L. W. Gipson	L. W. Gipson	1960	B	62	6	Qt	-	43.9	8- -3-61	B	D,S	P	
17-1	T. J. Burge	Dean Griner	1956	D	100	2	Qt	98	-	CE 3/4	D,S	P		
17-2	Leo Lader	Leo Lader	1942	D	50	2	Qt	47	46	1960	CE 1/3	D,S	P	Supplies water for 10,000 chickens.
19-1	A. L. Herrin	Allen Love	1955	D	96	2	Qt	89	96	10-19-61	CE -	D,S	N	
20-1	J. W. Powell	J. W. Powell	1957	B	100	2	Qt	-	-	-	CE 1/2	D,S	N	
20-2	David Lowe	David Lowe	1951	D	82	6	Qt	-	52	1951	JE 3/4	D,S	N	Water contains iron.
20-3	G. A. Love	G. A. Love	1951	D	110	6	Qt	-	92	1961	CE 1/2	D,S	N	
20-4	L. H. Rushing	L. H. Rushing	1900	B	100	2	Qt	-	90	1961	CE -	D,S	N	
21-1	Charles Johnson	Charles Johnson	1950	B	82	8	Qt	-	75	-	CE 1/3	D,S	N	
21-2	S. E. Parker	T. C. Cabiness	1958	D	112	2	Qt	107	-	1958	CE 1/2	D,S	N	Water contains iron.
21-3	Hollis Peavy	Unknown	1951	B	100	6	Qt	-	96	1961	CE -	D,S	N	Do
21-4	Henry Smith	Henry Smith	1942	D	107	6	Qt	-	83	3- -61	JE -	D,S	P	Supplies water for 36,000 chickens.
21-5	E. L. Lambert	Dean Griner	1961	D	95	2	Qt	-	48	1952	CE -	D,S	P	
21-6	do	J. E. Johnson	1952	B	84	2	Qt	-	42.1	8-22-61	B	D,S	P	
21-7	J. E. Johnson	do	1959	B	64	6	Qt	-	65	1961	CE 3/4	D,S	P	
21-8	J. T. Johnson	Percy Bryant	1945	D	90	2	Qt	-	15	1958	JE 3/4	D,S	C,P	Water is hard and contains iron.
22-1	J. O. Saul	W. P. Hartfield	1958	D	68	2	Qt	63	45	1961	JE 3/4	D,S	N	Supplies water for 15,000 chickens.
22-2	J. L. Saul	do	1950	D	52	2	Qt	46	42	1961	JE 3/4	D,S	N	Water contains iron.
22-3	G. C. Saul	do	1957	D	50	2	Qt	45	40	1961	JE 3/4	D,S	N	Observation well.
22-4	USGS	R. L. Goemaat	1961	B	50	2	Qt	48	40.2	6-23-61	-	N	N	Hole caved, no water-level measurement.
22-5	do	do	1961	B	70	4 1/2	Qt	-	-	-	-	N	N	
23-1	A. R. Raborn	A. R. Raborn	1951	D	80	2	Qt	-	-	-	JE 1/2	D,S	N	Water contains iron.
25-1	R. E. Thompson	T. C. Cabiness	1951	D	61	2	Qt	56	49	1960	JE 1/2	D,S	N	Abandoned - new well drilled 7-4-61.
25-2	Rudolph Thompson	R. T. Thompson	1943	B	55	2	Qt	48	43	5- -61	CE 1/2	D,S	P	
25-3	Willie Entekin	W. P. Hartfield	1959	B	59	2	Qt	54	34	1959	JE 1/2	D,S	P	
25-4	Willie DeBrow	Willie DeBrow	1956	B	65	8	Qt	-	35.2	5-26-61	B	D,S	C	2.5 gpm discharge.
25-5	T. C. Brashers	Unknown	1959	D	71	2	Qt	-	-	-	JE -	D,S	P	
25-6	R. E. Thompson	W. P. Hartfield	1961	B	67	2	Qt	63	49					

Table 1.--(Continued)

LAMAR COUNTY

Well No.	Owner	Driller	Year drilled	Type of well	Depth of well (ft.)	Diameter (inches)	Water-bearing unit	Depth to top of screen (ft.)	Water level		Method of lift	Use of water	Water analysis	Remarks
									Below land-surface datum (ft.)	Date of measurement				
J 28-5	H. R. Diamond	H. R. Diamond	1957	D	110	2	Qt	106	-	-	CE 1/4	D, S	C	
28-6	G. W. Saucier	Unknown	1956	B	70	2	Qt	-	-	-	CE 1/4	D, S	N	
29-1	Clara Rayburn	T. C. Cabiness	1951	D	150	2	Qt	145	110	1951	CE 1/4	D, S	N	Water contains iron.
29-2	L. W. Cameron	Allen Lowe	1946	B	95	2	Qt	-	67	1961	CE 1/4	D, S	N	
29-3	D. S. Rouse	Unknown	1950	B	100	6	Qt	-	80	1950	CE -	D, S	N	
29-4	L. W. Cameron	do	-	B	63	6	Qt	-	51.2	3-30-61	-	-	N	Has not been used during past year, 1960-1961.
30-1	H. L. Cameron	do	1955	B	130	8	Qt	-	90	1955	CE 3/4	D, S	N	Supplies water for 25,000 chickens; water contains iron.
30-2	do	Dean Griner	1960	D	115	2	Qt	110	-	-	CE 3/4	D, S	N	Water contains iron.
30-3	Mark Rayburn	Unknown	1955	D	300	2	Thp	-	90	11-29-61	JE 3/4	D, S	N	Supplies 2 homes.
30-4	J. L. Entekin	W. P. Hartfield	1955	D	110	2	Qt	-	-	-	CE 3/4	D	N	Water contains iron.
30-5	Lucius Davis	Otis Holston	1956	D	125	2	Qt	-	-	-	CE 1/4	D	N	
31-1	John Q. Butler	S. L. Rouse	1956	D	254	2	Thp	442	-	-	CE 1	D, S	N	
31-2	H. B. Carlisle	do	1956	D	450	2	Thp	-	-	-	CE -	D, S	N	
31-3	Marshall Seale	Dean Griner	1946	B	112	2	Qt	107	82	2- -59	CE 3/4	D, S	N	Reworked 1959.
31-4	Lionel Lowell	W. P. Hartfield	1954	B	80	8	Qt	-	69.6	2-10-61	-	-	N	Abandoned. Observation well.
32-1	C. E. Bond	Virgil Lott	1954	B	129	3	Qt	-	68.7	8-14-61	CE 1/3	D, S, Ind	C	Perforated last 5 ft.; supplies laundry.
32-2	Kerry Kittrell	T. C. Cabiness	1960	D	132	4	Qt	127	-	-	CE 3/4	-	-	Abandoned; water contains iron.
32-3	W. D. Kittrell	Unknown	1954	D	116	2	Qt	-	70	1961	CE -	D, S	N	Water contains iron.
32-4	C. L. Housley	C. L. Housley	-	B	100	2	Qt	91	69	1961	CE 3/4	D, S	N	Supplies water for 4 homes; water contains iron.
32-5	C. E. Bond	W. P. Hartfield	-	D	99	2	Qt	91	70	-	CE 3/4	PS	P	Water contains iron.
32-6	Bartonsville Methodist Church	- Miller	1960	B	99	2	Qt	91	70	-	CE 3/4	D, S	N	
32-7	Leo Bond	Leo Bond	1960	D	98	2	Qt	92	70	1960	CE 3/4	D, S	N	Supplies water for 2 homes; water contains iron.
32-8	Isaac Williamson	Louis Edwards	1955	D	98	2	Qt	-	-	-	CE 1/4	D, S	N	
32-9	Martha Entekin	Quick & Grice	1961	B	92	44	Qt	90	72.0	6-1-61	-	-	N	Water contains iron.
34-10	USGS	R. L. Goemaat	1961	B	94	14	Qt	92	65.1	6-23-61	-	-	N	Test hole; filled.
34-11	do	do	1961	B	94	14	Qt	92	65.1	6-23-61	JE 1	D, S	P	Observation well; drilled to 100 ft.
34-12	Lester Breazeale	Sears, Roebuck & Co	1960	D	175	2	Thp	172	70	1960	CE 3/4	D, S	P	Water contains iron.
34-13	George Cain	Unknown	1960	D	125	2	Qt	122	70	1960	CE 3/4	D, S	N	
35-1	Mrs. John T. Rayburn	Dean Griner	1947	D	60	2	Qt	-	-	-	JE 3/4	D, S	N	
35-2	O. C. Patterson	Unknown	1953	B	62	2	Qt	57	52	1960	JE 3/4	D, S	N	
36-1	Mrs. R. T. Thompson	W. P. Hartfield	1957	B	62	2	Qt	64	75	1961	CE 1/4	D, S	P	
36-2	James Dearman	Marvin Bell	1950	B	90	2	Qt	84	70	5- -61	CE 1/3	D, S	P	
36-3	R. C. Ready	W. P. Hartfield	1955	B	72	2	Qt	67	40	5- -61	CE 1/3	D, S	P	Water contains iron.
36-4	Arthur Lowe	Marvin Bell	1953	B	86	2	Qt	80	50	5- -61	CE 1/4	D, S	P	
K 1-1	J. Phillips	J. Phillips	1945	D	60	6	Qt	60	30	10-12-61	JE 1/4	D, S	N	S.C. < 50.
5-1	M. L. Anderson	T. C. Cabiness	1960	D	112	3	Qt	104	60	1960	JE 3/4	D, S	C	Water contains iron.
5-2	do	do	1956	D	112	3	Qt	104	60	1960	JE 3/4	D, S	N	
5-3	do	do	1956	D	88	2	Qt	84	60	1956	JE 1	D, S	P	Supplies water for 3,500 chickens.
5-4	L. H. Breazeale	do	1961	B	88	44	Qt	-	63.5	5-17-61	-	-	N	Test hole; filled.
6-1	USGS	R. L. Goemaat	1961	B	88	44	Qt	-	63.5	5-17-61	-	-	N	
7-1	R. L. Anderson, Sr.	W. P. Hartfield	1949	B	98	2	Qt	93	76	1949	CE 1/4	D, S	C	Water contains iron.
7-2	G. W. Anderson	Walter Mathews	1956	D	90	2	Qt	76	76	1956	CE 1/4	D, S	N	
7-3	W. H. Nobles, Jr.	do	1960	D	65	2	Qt	59	-	-	CE 1/4	D, S	N	
7-4	G. W. Anderson	W. P. Hartfield	1961	D	60	2	Qt	58	30	1961	CE 1/3	D, S	P	
7-5	V. A. Hatten	T. C. Cabiness	1961	D	60	2	Qt	62	50	1959	JE 3/4	D, S	P	
7-6	J. P. Ratcliff	W. P. Hartfield	1959	D	70	2	Qt	64	50	1954	CE 1/3	D, S	N	
8-1	M. L. Anderson	T. C. Cabiness	1954	B	70	2	Qt	56	52	1955	CE 1/3	D, S	N	Water contains iron.
8-2	L. D. Johnson	W. P. Hartfield	1955	B	62	2	Qt	64	50	1954	CE 1/3	D, S	N	Do
8-3	Colon Dobson	T. C. Cabiness	1952	D	130	2	Qt	125	80	1960	CE 1/4	D, S	C, P	
8-4	Joe Dobson	T. C. Cabiness	1945	B	72	8x2	Qt	-	50	1960	JE 1/4	D, S	P	Partially filled.
9-1	G. H. Anderson	Unknown	-	B	30	8	Qt	-	25.0	3-22-61	-	-	N	
9-2	Mississippi Forest Commission	Unknown	-	B	30	8	Qt	-	25.0	3-22-61	-	-	N	
9-3	Mississippi Forest Commission	T. C. Cabiness	1959	D	131	2	Qt	125	80	1959	JE 1 1/2	D, S	N	
10-1	G. H. Anderson	W. P. Hartfield	1951	B	65	2	Qt	60	45	3-22-61	CE 1/4	D, S	N	
10-2	R. H. Johnson	do	1938	D	68	2	Qt	63	43	1961	CE -	D, S	N	Two-inch pipe inside 6-inch tile; total depth unknown.
11-1	A. V. Johnson	do	-	B	76	6	Qt	-	75.1	1-30-61	CE 1/3	D, S	N	
11-2	C. D. Gamble	C. D. Gamble	1960	B	35	2	Qt	29	19	1-30-61	CE 1/3	D, S	N	Abandoned.
12-1	Bernard Dyrar	W. P. Hartfield	1930	B	49	6	Qt	-	34	1-18-61	-	-	N	
12-2	do	do	1930	B	49	6	Qt	-	34	1-18-61	-	-	N	
12-3	Sally Dyrar	Unknown	1960	B	54	8	Qt	-	37.4	1-18-61	B	D, S	N	Water contains iron.
12-4	Earl Johnson	Earl Johnson	1945	B	29	6	Qt	26.9	20.1	1-30-61	CE 1/3	D, S	N	
13-1	T. A. Smith	Unknown	1955	B	25	2	Qt	20	-	-	JE 1/4	D, S	N	Drilled to 260 ft. - dry below 25 ft.
13-2	W. H. Harbourn	T. C. Cabiness	1946	D	120	2	Qt	-	60	1951	JE 3/4	D, S	N	
13-3	L. C. Holcomb	Unknown	1930	D	60	2	Qt	-	40	12-12-61	JE 1/4	D	N	
13-4	C. M. Stewart	Unknown	1930	D	55	6	Qt	52	48.7	1-31-61	CE 3/4	D, S	N	S.C. < 50.
14-1	Herman M. Carr	Joe Johnson	1930	D	55	6	Qt	52	48.7	1-31-61	CE 3/4	D, S	N	Two-inch well inside old 6-inch casing.
16-1	Tillius Whiddon	T. C. Cabiness	1959	D	68	2	Qt	63	53	1959	CE -	D, S	N	
17-1	Jessie Bishop	do	1947	D	110	2	Qt	100	78	1947	JE 1/4	D, S	N	Observation well.
17-2	USGS	R. L. Goemaat	1961	B	92	1 3/8	Qt	90.5	38.3	7-7-61	-	-	N	
18-1	W. W. Beach	W. W. Beach	1940	B	46	7	Qt	-	33.5	3-22-61	-	-	D, S	N
18-2	Mrs. L. A. Smith	W. P. Hartfield	1951	B	58	2	Qt	53	-	-	CE 1/4	D, S	N	Test hole; filled.
18-3	USGS	R. L. Goemaat	1961	B	65	44	Qt	-	2.1	5-18-61	-	-	N	
18-4	R. L. Anderson	R. L. Anderson	1950	B	62	2	Qt	-	-	-	CE 1/4	D, S	C	
19-1	L. B. Saucier	W. P. Hartfield	1951	B	77	2	Qt	71	57	1951	CE 1/3	D, S	N	
20-1	Bulah Mae Gagnon	T. C. Cabiness	1960	D	80	4	Qt	-	40	1960	JE 1/4	D, S	N	
21-1	Mrs. H. O. Massey	R. O. Massey	-	B	62	8	Qt	-	41.3	3-22-61	-	-	N	
21-2	O. A. Ronquille	W. P. Hartfield	1959	D	61	2	Qt	50	27	1959	JE 3/4	D, S	N	
21-3	James Parker	Jess & Thomas Parker	1953	B	55	2	Qt	60	41	1953	CE -	D, S	N	New well point 1959.
21-4	Mrs. H. O. Massey	W. P. Hartfield	1951	B	62	2	Qt	50	40	1951	CE 1/3	D, S	N	
21-5	Hamilton T. Beach	Marvin Bell	1951	B	62	2	Qt	50	40	1951	CE 1/3	D, S	N	Observation well.
21-6	USGS	R. L. Goemaat	1961	B	92	1 1/4	Qt	22	9.1	6-23-61	-	-	D, S	P
21-7	D. L. Busha	W. P. Hartfield	1956	B	75	2	Qt	70	60	1-21-61	CE 1/3	D, S	N	Water contains iron.
22-1	Narwell Allen	do	1951	D	52	2	Qt	47	42	-	CE 1/3	D, S	N	Do
23-1	Corinth Baptist Church	do	1961	B	86	2	Qt	80	64	1961	CE 1/3	D, S	N	
23-2	Q. B. Saucier	T. C. Cabiness	1955	D	125	2	Qt	115	-	-	JE 1/4	D, S	N	Water contains iron.
23-3	Tracy Lawler	Unknown	-	B	100	2	Qt	-	-	-	CE 1/3	D, S	N	
23-4	Danny Carter	T. C. Cabiness	1958	D	129	2	Qt	127	-	-	JE 1/4	D, S	N	Water contains iron.
24-1	Robert Dudley	Tias Drilling Co.	1958	D	106	2	Qt	82	28	1958	CE 1/3	D	P	Do
24-2	A. Entekin	T. C. Cabiness	1957	D	28	4	Qt	28	12	1957	JE 1/3	D	P	
24-3	E. E. King	W. P. Hartfield	1949	D	100	4	Qt	100	-	-	CE 1/3	D, S	P	
24-4	B. O. Bond	do												

Table 1.—(Continued)
LAMAR COUNTY

Well No.	Owner	Driller	Year drilled	Type of well	Depth of well (ft.)	Diameter (inches)	Water-bearing unit	Depth to top of screen (ft.)	Water level		Method of lift	Use of water	Water analysis	Remarks
									Below land-surface datum (ft.)	Date of measurement				
K 29-1	C. V. Cain	V. Rayborn	1949	B	60	5	Qt	-	42	1949	JE -	D,S	N	
29-2	C. O. Williamson	C. O. Williamson	-	B	65	6	Qt	-	40	1961	JE 3/4	D,S	N	
29-3	Charlie Cain	Charlie Cain	-	B	20	6	Qt	-	10.6	1-20-61	-	N	N	
29-4	Floyd Saucier	C. H. Bishop	1959	D	49	2	Qt	43	20	1959	JE 1/3	D,S	N	
29-5	Nathan Cain	Nathan Cain	-	B	43	6	-	-	21.1	1-20-61	B	N	N	
29-6	L. L. Housley	Unknown	1955	B	80	2	Qt	-	40	1961	CE -	D,S	P	
30-1	USGS	R. L. Goemast	1961	B	85	4 1/2	Qt	-	50	5-22-61	-	N	N	Test hole; filled.
30-2	do	do	1961	B	82	4 1/2	Qt	-	60	5-22-61	-	N	N	Do
30-3	do	do	1961	B	70	2 1/2	Qt	63	52.2	6-23-61	-	N	N	Observation well.
31-1	Fred Parker	Fred Parker	-	B	70	2	Qt	-	-	-	JE 1/2	D,S	C	
31-2	Charlie Martin	Charlie Martin	1959	B	60	2	Qt	58	50	6-7-61	CE -	D,S	C	
31-3	USGS	R. L. Goemast	1961	B	70	2	Qt	67	50.1	6-8-61	F	D,S	P	
32-1	Mrs. Lottie Housley	Hydrotane Gas Co.	1953	D	85	2	Qt	-	50	5-24-61	JE -	D,S	P	
32-2	Ronald Entrekkin	W. P. Hartfield	-	B	85	2	Qt	-	-	-	JE 1/2	D,S	P	
32-3	Eddie Entrekkin	Al Lowe & W. P. Hartfield	-	B	85	2	Qt	-	-	-	CE 1/3	D,S	P	
32-4	J. E. Entrekkin	Dean Griner	1960	D	105	2	Qt	100	40	-	CE -	D,S	C	Water contains iron.
32-5	Rembert Saucier	W. P. Hartfield	1953	B	81	2	Qt	80	50	1953	CE 1/2	D,S	C	
33-1	John Housley	Unknown	1900	B	22	8	Qt	-	10.9	5-24-61	CE 1/2	D,S	C	Water contains iron.
33-2	Mrs. W. M. Courtney	do	1936	B	45	8	Qt	-	28.0	5-25-61	B	D,S	P	
35-1	Theron Slade	W. P. Hartfield	1959	D	60	2	Qt	-	8	9- -61	CE -	D,S	P	
35-2	Pat Housley	T. C. Cabiness	1955	D	125	2	Thp	-	-	-	JE 1/2	D,S	P	Water contains iron.
35-3	W. M. Masters	W. M. Masters	1953	B	40	8	Qt	-	20	7- -53	B	D,S	P	
35-4	Homer Hendricks	Mr. Brenner	1948	D	35	2	Qt	-	-	-	JE 1/3	D	N	Water contains iron.
35-5	Clyde Hendricks	Clyde Hendricks	1941	D	57	2	Qt	57	40	9-1-61	CE 1/2	D,S	P	
36-1	Leroy Elliott	Fowler Butane Co.	1952	D	150	2	Thp	150	73	9-1-61	JE 3/4	D,S	P	
36-2	Thomas Lawler	Unknown	1953	D	28	2	Qt	-	-	-	JE 1/3	D,S	P	
36-3	J. Z. Green	do	1957	B	28	2	Qt	-	-	-	JE 1/3	D,S	P	
36-4	C. L. Lawler	W. P. Hartfield	1942	D	84	2	Thp	-	40	-	CE 1/2	D,S	P	
36-5	E. Hendricks	-	1958	D	73	2	Thp	-	40	9-6-61	CE 1/2	D,S	P	
L 2-1	Ray Mills	Ray Mills	1952	D	65	2	Qt	-	45	10-12-61	CE 1/2	D,S	N	S.C. < 50.
3-1	Aaron Morris	W. P. Hartfield	1951	D	40	4	Qt	-	25	10-12-61	CE 1/2	D	N	Do
3-2	Elroy Lee	T. C. Cabiness	1956	D	50	2	Qt	-	-	-	JE 1/2	D	N	Do
4-1	Bill Andrews	Unknown	-	D	150	2	Qt	-	-	-	CE 1/2	D	N	Do
4-2	Easel Fowler	T. C. Cabiness	1941	D	-	2	-	-	-	-	JE 1/2	D,S	N	Do
5-1	Evelyn Voss	W. P. Hartfield	1946	D	60	2	Qt	-	-	-	JE 1/2	D,S	N	Do
5-2	J. R. West	T. C. Cabiness	1952	D	70	4	Qt	-	-	-	JE 1/2	D,S	N	Do
6-1	Oddie Shegson	W. P. Hartfield	1952	D	40	2	Qt	-	40	10-12-61	CE 1/2	D,S	N	Do
7-1	Mrs. E. M. Dyar	E. M. Dyar	1930	B	58	8	Qt	-	43.5	1-18-61	B	N	N	Do
7-2	do	do	1935	B	58	8	Qt	-	44	1961	JE 1/2	D,S	N	Water contains iron.
7-3	do	W. P. Hartfield	1959	B	42	2	Qt	-	40	1959	CE 1/3	D,S	N	Do
7-4	M. C. Elliott	M. C. Elliott	1926	B	48	8	Qt	-	42	1961	JE 3/4	D,S	N	Do
7-5	D. L. Elliott	Sam Freeman	1935	B	60	8	Qt	-	45	1-18-61	JE 1/3	D,S	N	Do
7-6	P. Pearce	P. Pearce	1957	B	65	6	Qt	-	40	1961	JE 1/2	D,S	N	Do
7-7	do	do	1961	B	49	8	Qt	-	37.5	1-18-61	-	N	N	
8-1	Town of Purvis	Layne-Central Co.	1961	D	35	10	Qt	-	6.9	1-18-61	TE 30	PS	C,R	Yield 340 gpm measured 1-18-61; water contains iron.
8-2	do	do	1957	D	35	10	Qt	-	6	1-18-61	-	D	N	Stand-by well.
8-3	J. A. Thompson	T. C. Cabiness	1957	D	54	2	Qt	-	-	-	JE 3/4	D,S	N	Water contains iron.
8-4	O. R. Cameron	O. R. Cameron	1940	B	67	2	Qt	-	50	-	JE 3/4	D,S	N	Do
8-5	J. H. Evans	T. C. Cabiness	1958	D	50	2	Qt	-	45	1958	JE 3/4	D,S	N	Do
10-1	T. L. Fowler	T. L. Fowler	1959	D	450	4	Thp	410	90	10-13-61	SE -	D,S	N	Supplies water for 200 cattle. S.C. < 50.
12-1	S. Herring	Unknown	1920	B	45	8	Qt	-	32	10-12-61	JE 1/2	D,S	N	S.C. 97.
13-1	J. Barnes	T. C. Cabiness	1957	D	450	4	Thp	440	190	1957	CE 3	D,S	N	
13-2	do	do	1950	D	451	4	Thp	-	190	1950	CE 3	D,S	N	
14-1	Bartley Davis	do	1945	D	65	2	Qt	-	47	10-13-61	JE 1/2	D,S	N	S.C. < 50.
15-1	V. G. Fylant	do	1954	D	400	2	Thp	-	100	10-13-61	CE 1	D,S	N	Do
16-1	T. C. Cabiness	T. C. Cabiness	1957	D	106	2	Thp	102	78	10-13-61	JE 3/4	D,S	N	
16-2	Town of Purvis	Layne-Central Co.	1961	D	978	-	Thp	-	214.0	8-25-61	CE 1	D,S	N	Yield, 757 gpm, Feb. 19, 1962.
17-1	H. L. Sandifer	W. P. Hartfield	1957	D	60	2	Qt	58	-	10-9-61	JE 3/4	D	N	S.C. 54.
18-1	W. L. Alexander	W. L. Alexander	1948	D	50	2	Qt	45	-	-	JE 1/2	D,S	N	S.C. < 50.
18-2	C. B. Freeman	T. C. Cabiness	1961	D	38	4	Qt	-	-	-	JE 1/2	D	N	Do
18-3	Jeff Bond	do	1959	D	60	2	Qt	-	30	11-28-61	JE -	D,S	N	
19-1	John Pullen	Unknown	1960	B	81	2	Qt	75	60	1960	JE 1/2	D,S	N	Water contains iron.
19-2	Robert Beach	T. C. Cabiness	1958	B	62	4	Qt	-	49.3	1-24-61	-	N	N	
19-3	do	do	1958	D	70	4	Qt	-	49	1-24-61	CE -	D,S	N	Water contains iron.
20-1	T. M. Avery	W. P. Hartfield	1956	D	60	2	Qt	58	40	10-12-61	CE 1/2	D	N	S.C. < 50.
20-2	K. C. Avery	Unknown	1913	D	90	2	Qt	88	76	10-12-61	JE 3/4	D,S	N	Do
20-3	Rufus Walley	T. C. Cabiness	1959	D	65	2	Qt	-	-	-	JE 3/4	D	N	Do
21-1	J. K. Luter	Quirk & Grice	1956	D	500	2	Thp	480	250	10-11-61	CE 1	D,S	N	
21-2	Curtis Swan	T. C. Cabiness	1957	D	32	4	Qt	-	17	11-3-61	JE 1/2	D	N	Probably contains iron.
23-1	Edward Keith	do	1930	D	60	2	Qt	-	30	10-13-61	JE 1/2	D,S	N	S.C. < 50.
24-1	T. V. Cagle	W. P. Hartfield	1951	B	25	8	Qt	-	16	10-13-61	JE 1/2	D,S	N	S.C. 80.
26-1	L. L. Slade	Unknown	1910	B	35	8	Qt	-	10	10-13-61	JE 1/2	D	N	S.C. 98.
26-2	do	W. P. Hartfield	1961	D	25	2	Qt	-	10	10-13-61	WC	S	N	
27-1	Lewis Johnson	T. C. Cabiness	1952	D	50	2	Qt	-	30	10-11-61	JE 1/2	D,S	N	Contains sulphur and has yellowish color.
27-2	R. U. Wright	Unknown	1952	D	50	2	Qt	-	40	10-11-61	JE 1/2	D	N	
28-1	R. B. Williamson	Fowler Butane Co.	1956	D	194	2	Thp	-	154	10-11-61	CE 1	D	N	
28-2	Bass Memorial Academy	S. A. Brown	1958	D	239	4	Thp	220	100	10-13-61	SE 1/2	PS	N	
29-1	J. O. Bond	T. C. Cabiness	1953	D	65	2	Qt	62	40	10-12-61	JE 1/2	D	N	S.C. < 50.
31-1	L. Fylant	Unknown	1959	D	-	2	-	-	-	-	JE 1/2	D,S	N	
32-1	Rose Davis	W. P. Hartfield	1951	D	80	2	Qt	78	60	10-12-61	CE 1/2	D	N	Water contains iron. S.C. < 50.
32-2	Bass Memorial Academy	S. A. Brown	1961	D	302	6	Thp	282	120	10-13-61	TE 10	PS	C	Supplies water for 150 students.
34-1	W. E. Baker	T. C. Cabiness	1958	B	20	2	Qt	20	18	10-11-61	JE 1/2	D,S	N	
34-2	V. D. Moore	do	1958	D	125	2	Qt	-	30	10-11-61	JE 1/2	D	N	
35-1	J. O. Baker	do	1959	D	250	2	Thp	-	+	10-11-61	F	D,S	C	
M 1-1	I. H. Bass	S. L. Rouse	1953	D	155	2	Thp	151	70	1953	CE 3/4	D,S	P	
1-2	International Paper Co.	- - Miller	1960	D	170	2	Thp	-	64	9-1-61	JE 1	D	P	
2-1	Gerald Johnson	Dean Griner	1960	D	175	4	Thp	171	90	6- -60	SE -	D,S	P	
2-2	E. A. Smith	T. C. Cabiness	1957	D	179	2	Thp	-	90	1957	JE 3/4	D,S	P	
2-3	C. D. Rayborn	S. L. Rouse	1947	D	178	2	Thp	174	88	1956	CE 3/4	D,S	P	
2-4	C. S. Johnson	T. C. Cabiness	1958	D	170	6	Thp	165	85	1958	SE -	D,S	P	
2-5	do	do	1952	D	173	2	Thp	169	90	1952	JE 3/4	D,S	C	
2-6	Alonso Rayborn	- - Bedwell	1949	D	130	2	Qt	126	80	1960	JE 3/4	D,S	P	
3-1	Lewis Bryant	T. C. Cabiness	1961	D	168	2	Thp	163	92	7- -61	CE 3/4	D,S	P	Water contains iron.
3-2	Lamar County School Board	Unknown	1932	D	85	2	Qt	73	70	10-4-61	SE 1	PS,D	N	
7-1	Gulf Oil Corp.	Dean Griner	1961	D	245	4	Thp	226	80	10-4-61	SE 3	Ind	N	Supplies water for 2 steam boilers. S.C. < 50.
7-2	Virgil Davis	Virgil Davis	1960	D	85	8	Qt	85	60	10-5-61	JE 1	D	N	
7-3	W. E. Davis	E. J. Loftin	-	D	75	2	Qt	-	-	-	CE 3/4	D	N	
8-1	C. B. Powell	Dean Griner	1961	D	299	2	Thp	-	90	10-4-61	CE 3/4	D,S	N	
8-2	Gulf Oil Corp.	do	1945	D	425	4	Thp	246	60	10-4-61	CE 3	Ind	C,R	
8-3	do	S. L. Rouse	1952	D	775	4	Thp	-	-	-	TE 7 1/2	PS	N	Stand-by well.
9-1	United Gas Pipeline Co.	Layne-Central Co.	1954	D	510	6	Thp	470	176	4- -54	TE 7 1/2	PS,Ind	C	Also supplies water for company office and shop.

Table 1.--(Continued)

LAMAR COUNTY														
Well No.	Owner	Driller	Year drilled	Type of well	Depth of well (ft.)	Diameter (inches)	Water bearing unit	Depth to top of screen (ft.)	Water level		Method of lift	Use of water	Water analysis	Remarks
									Below land-surface datum (ft.)	Date of measurement				
M 9-2	Robert R. Stanford	Dean Griner	-	B	90	2	Qt	-	-	-	CE 1/2	D,S	N	Water contains iron. S.C. 50.
11-1	H. P. Bilbo	Unknown	1958	D	105	2	Qt	-	-	-	JE 1/2	D,S	N	
11-2	E. L. Bilbo	do	-	D	98	2	Qt	93	-	-	CE 3/4	D	C	
11-3	do	T. C. Cabiness	-	D	98	2	Qt	93	-	-	CE 1/3	D,S	N	Water contains iron.
11-4	H. P. Bilbo	Quick & Grice	1947	D	98	2	Qt	94	30	1959	CE 3/4	D,S	P	Do
11-5	E. L. Bilbo	Dean Griner	-	D	113	2	Qt	108	-	-	CE 1/2	D,S	N	Chicken farm.
12-1	Albert Rayburn	Fowler Rutane Co.	1953	D	50	2	Qt	-	28	5-24-61	JE -	D	P	
13-1	Calvin Baxter Estate	W. P. Hartfield	1950	D	130	2	Qt	-	-	-	CE 1	D,S	N	S.C. < 50.
14-1	Nathan Baxter	Dean Griner	1959	D	95	4	Qt	-	-	-	CE 1/2	D	P	
14-2	do	do	1959	D	200	2	Thp	-	-	-	CE 3/4	Ind	N	Supply for 45,000 chickens.
16-1	Texaco, Inc.	- - Miller	1946	D	300	4	Thp	-	-	-	-	Ind	N	Produced by jetting with air; produces 100 barrels per month. S.C. < 50.
17-1	Marshall Young Drilling Co.	Unknown	1956	D	-	2	-	-	-	-	CE 3/4	D	N	
17-2	Superior Oil Co.	do	1954	D	785	4	Thp	300	60	10-4-61	CE 1	D	C	
N 2-1	R. L. Carr	do	1950	D	100	2	Qt	94	80	10-9-61	CE 3/4	D,S	N	Supplied water for 24,000 chickens to 7-31-61.
3-1	G. E. Courtney	W. P. Hartfield	1951	D	120	2	Qt	115	100	1950	C 2 1/2	D,S	P	Gas engine.
5-1	O. O. Courtney	Marvin Bell	1951	D	53	2	Qt	50	40	10-9-61	CE 1/2	D,S	N	
9-1	D. Walker	T. C. Cabiness	1951	D	80	2	Qt	76	10	10-9-61	CE 1/2	D,S	N	
11-1	Leonard Lee	W. P. Hartfield	1952	D	78	2	Qt	63	58	10-9-61	JE 1/2	D,S	N	
11-2	W. C. Smith	do	1943	D	38	2	Qt	38	26	10-9-61	JE 1/2	D,S	N	
12-1	A. D. Martin	Unknown	1949	D	40	2	Qt	36	-	-	JE 3/4	D,S	N	
13-1	Ted Niameyer	Marvin Bell	1943	D	44	2	Qt	40	30	10-9-61	CE 1/2	D,S	N	
13-2	A. W. Walker	W. P. Hartfield	1952	D	44	2	Qt	40	30	10-9-61	CE 1/2	D,S	N	Supplies water for 50 head cattle and dairy barn.
14-1	J. T. Hendricks	Marvin Bell	1960	D	100	2	Qt	97	80	10-9-61	CE 1/2	D,S	N	Water contains iron.
14-2	Ernest Byrd	T. C. Cabiness	1950	D	40	2	Qt	36	20	10-9-61	CE 1/3	D	N	Supplies water for 5,000 chickens.
15-1	Romer Ladner	Marvin Bell	-	D	80	2	Qt	75	60	10-4-61	JE 1/3	D,S	N	
15-2	Clendon Debro	do	1946	D	57	2	Qt	-	42	1956	CE 3/4	D,S	N	
17-1	J. W. Randle	do	1955	D	30	2	Qt	27	12	10-4-61	CE 1/2	D,S	N	
18-1	Marvin Baxter	Virgil Rayburn	1931	B	30	8	Qt	30	11.7	10-5-61	JE 1/2	D,S	N	
21-1	Hiram Byrd	Unknown	1956	D	100	2	Qt	-	-	-	CE 1/2	D	N	Water contains iron.
22-1	H. W. Patch	Quick & Grice	1957	D	132	2	Qt	126	46	10-5-61	JE 3/4	D,S	C	
23-1	Henry Madden	Marvin Bell	1944	D	52	2	Qt	-	-	-	JE 1/2	D,S	N	
23-2	do	Leo Ladner	1960	D	55	2	Qt	-	45	10-9-61	CE 1/2	D,S	N	Supplies water for 12,000 chickens.
24-1	W. A. Entekrin	Unknown	1951	D	66	2	Qt	62	45	1951	JE 1/2	D,S	N	
25-1	L. McLesore	Marvin Bell	1957	D	52	2	Qt	-	-	-	JE 1/2	D	N	
28-1	G. W. Hale	Dean Griner	1954	D	100	2	Qt	-	30	10-5-61	JE 1/2	D,S	N	Supplies water for 5,000 chickens.
28-2	Donald Hale	Leo Ladner	1961	D	120	2	Qt	-	100	10-9-61	JE -	D,Ind	N	Supplies water for 6,000 chickens.
34-1	Addie Byrd	W. P. Hartfield	1957	D	70	2	Qt	66	58	10-9-61	CE 1/2	D	N	
O 1-1	J. B. Cagle	Quick & Grice	1959	D	234	2	Thp	-	140	10-10-61	CE 1	D,S	N	
2-1	J. D. Smalley	Fowler Drilling Co.	1957	D	110	2	Qt	-	50	10-10-61	SE 3/4	D,S	N	
2-2	E. W. Daver	T. C. Cabiness	1954	D	102	2	Qt	-	-	-	CE 1/2	D,S	N	Water contains iron.
3-1	M. M. Slade	W. P. Hartfield	1960	D	50	2	Qt	46	40	10-10-61	JE 1/2	D,S	N	
5-1	P. E. Morris	T. C. Cabiness	1950	D	515	2	Thp	-	190	1950	CE 1	D,S	N	
5-2	W. C. Sterling	Unknown	1956	B	40	2	Qt	-	20	10-11-61	JE 1/2	D,S	N	Water contains iron.
6-1	J. D. Brewer	do	1955	B	50	8	Qt	-	-	-	JE 3/4	D	N	
7-1	B. J. Lee	W. P. Hartfield	1953	D	122	2	Qt	116	45	10-11-61	CE 1/2	D,S	N	
8-1	Claude Bates	Unknown	1956	D	80	2	Qt	-	60	10-10-61	CE 1/2	D,S	N	
9-1	E. L. Rutledge	W. P. Hartfield	1950	D	66	2	Qt	60	50	10-10-61	CE 1/3	D,S	N	
9-2	J. O. Anderson	do	1955	D	65	2	Qt	65	45	10-10-61	CE 1/2	D,S	N	
10-1	W. A. Reid	T. C. Cabiness	1959	D	87	2	Qt	-	45	10-10-61	JE 3/4	D,S	N	Well completed at 80 ft.
11-1	H. M. Mardis	do	1947	D	322	2	Thp	314	147	10-10-61	CE 3/4	D,S	N	
11-2	M. E. Piercy	Hattiesburg Rutane Co.	1959	D	213	2	Thp	-	-	-	JE 1/2	D,S	N	
11-3	G. E. Turner	Quick & Grice	-	D	263	2	Thp	-	-	-	CE 1	D	N	Inadequate supply.
14-1	J. D. Smalley	T. C. Cabiness	1957	D	160	2	Qt	-	-	-	JE 1	D,S	N	
15-1	J. L. Rodgers	J. T. Porvis	1930	B	30	8	Qt	30	23	10-11-61	JE 1/2	D,S	N	Water contains iron.
15-2	I. H. Bass	Unknown	1957	-	2	-	-	-	-	-	JE 1/2	D,S	N	Do
16-1	do	do	1952	D	200	2	Thp	-	-	-	CE 3/4	D	N	Supplies water for 4 homes.
16-2	D. P. Williamson	Leo Ladner	1947	D	65	4	Qt	-	-	-	CE 1/2	D,S	N	Water contains iron.
17-1	F. W. Nieneyer	T. C. Cabiness	1947	D	80	4	Qt	-	-	-	CE 1/2	D,S	N	Supplies water for 20 head dairy cattle.
17-2	Pauline Slade	W. P. Hartfield	1956	D	45	2	Qt	-	30	10-10-61	JE 1/2	D,S	N	
17-3	D. K. Patterson	Unknown	1958	D	640	2	Thp	-	100	10-10-61	CE 1/2	D	C	
17-4	Charles Hagen	W. P. Hartfield	1911	D	50	2	Qt	45	30	10-11-61	JE 1/2	D,S	N	Brass screen used.
18-1	G. W. Knue	Marvin Bell	1940	D	40	2	Qt	34	10	10-6-61	CE 3/4	D,S	N	Supplies water for 2 families.
18-2	C. J. Schwierjohn	do	1937	D	65	2	Qt	61	35	10-11-61	CE 3/4	D,S	N	Supplies water for 2 steam boilers during winter.
19-1	Hess Pipeline Co.	Gulf Oil Co.	1946	D	266	4	Thp	200	-	-	TE 5	Ind	N	
19-2	John Bryant	Unknown	1941	D	-	2	Qt	-	-	-	JE 1/2	PS,Ind	N	
20-1	Darnell Thomas	do	-	D	50	2	Qt	-	-	-	JE 1/2	D,S	N	Supplies water for 20 head of dairy cattle.
21-1	C. L. Carrol	Leo Ladner	1960	D	90	4	Qt	90	40	10-10-61	JE 1/2	D,S	N	
21-2	P. H. Hendricks	T. C. Cabiness	1956	D	60	2	Qt	-	35	10-10-61	JE 1/2	D	N	
25-1	Ed Reed	W. P. Hartfield	1956	D	42	2	Qt	-	30	10-11-61	JE 1/2	D,S	N	
29-1	Monroe Burge	do	1950	D	40	2	Qt	-	-	-	CE 1/2	D,S	N	
30-1	T. I. Schwierjohn	Marvin Bell	1954	D	68	2	Qt	-	32	10-11-61	JE 1/2	D,S	N	Supplies water for 16,000 chickens.
30-2	do	Leo Ladner	1958	D	68	4	Qt	-	16	10-11-61	JE 1/2	D,S	N	Supplies water for 22,000 chickens and home.
31-1	Town of Lumberton	Layne-Central Co.	1951	D	1005	8	Thp	-	152	2-1-61	TE 50	PS	C,R	Municipal supply well.
31-2	do	do	1940	D	600	8	Thp	-	-	-	TE 20	PS	N	
32-1	Howell Sistrunk	Marvin Bell	1946	D	42	2	Qt	-	20	11-29-61	JE 1/2	D,S	N	
P 1-1	Henry House	Quick & Grice	1950	D	120	2	Qt	108	20	10-11-61	CE 1/2	D	N	
2-1	L. W. Kirkpatrick	T. C. Cabiness	1957	D	126	6	Thp	126	-	-	JE -	D,S	N	
2-1	Ray Bass	Unknown	1950	D	250	4	Thp	-	50	10-10-61	SE -	D	N	Supplies water for 8 homes.
MARION COUNTY														
L 2-2	City of Columbia	Z. O. Bourne	1950	D	508	6	Thp	448	+14	1-26-61	TE 7 1/2	PS	C	Yield reported 400 gpm. One of three wells in this aquifer.
MARION COUNTY														
M 1-1	Ordie Bullock	Dean Griner	1948	D	300	2	Thp	-	60	10-17-61	CE -	D,S	N	
2-1	J. R. Johnson	Unknown	1947	D	75	2	Qt	-	40	10-18-61	CE 1/2	D,S	N	
3-1	S. J. Watts	Dean Griner	1961	D	22	2	Qt	-	14	10-17-61	JE 1/2	D	N	
4-1	Vertee Anderson	Columbia Plumbing Co.	1951	D	175	2	Thp	-	20	10-17-61	JE 1/2	D	N	
4-2	Willie Baggett	Dean Griner	1960	D	120	2	Qt	116	40	10-17-61	JE 1/2	D,S	N	
6-1	Anderson Mingo	Josh Cook	1941	B	40	8	Qt	40	25.5	10-18-61	B	D,S	N	
7-1	W. L. Geiger	Columbia Plumbing Co.	1959	D	100	2	Qt	-	35	10-18-61	JE 1/2	D	N	
8-1	Harbert Brakefield	Herbert Brakefield	1955	D	18	2	Qt	14	10	10-17-61	JE 1/2	D,S	N	
9-1	Balford Raynes	Unknown	1911	B	40	10	Qt	40	36.9	10-17-61	B	D	N	
9-2	William Rogers	Dean Griner	1955	D	207	2	Thp	-	100	10-17-61	CE 3/4	D,S	N	
10-1	Fred Oglesbee	Fred Oglesbee	1930	B	30	8	Qt	30	25	10-17-61	B	D	N	Not in use on 10-17-61.
13-1	Malcolm Thornhill	- - Knight	1951	D	80	8	Qt	-	60	10-17-61	CE 3/4	D,S	N	
13-2	Geneva Cameron	Dean Griner	1957	D	327	2	Thp	-	228	10-17-61	CE 1	D,S	C	Water contains iron.
15-1	Dewey Walder	do	1958	D	200	2	Thp	-	100	10-17-61	CE 2	Ind	N	Supplies water for 38,000 chickens.
17-1	Thomas Sanders	do	1956	D	217	2	Thp	-	117	10-17-61	CE 3/4	D,S	N	
17-2	Rodney Sanders	Allen Lowe	1952	B	42	8	Qt	42	75	10-17-61	B	D	N	
19-1	Guy Loftin	Dean Griner	1960	D	220	2	Thp	216	75	10-17-61	CE 1	D,S	N	Supplies water for 2 homes.
19-2	do	Lewis S. Loftin	1949	D	220	2	Thp	-	-	-	CE 1/2	D	N	Well failed in 1960.
21-1	Pearl Worre	Unknown	1940	B	35	8	Qt	35	24	10-17-61	CE -	D,S	N	

Table 1.—(Continued)

MARION COUNTY															
Well No.	Owner	Driller	Year drilled	Type of well	Depth of well (ft.)	Diam-eter (inches)	Water bearing unit	Depth to top of screen (ft.)	Water level		Date of measurement	Method of lift	Use of water	Water analysis	Remarks
									Below land-surface datum (ft.)						
M 22-1	Rubin Bryant	Dean Griner	1957	D	96	2	Qt	92	68	10-17-61	CE 1	D,S	N		
23-1	Orne Iager	do	1956	D	90	2	Qt	86	80	10-17-61	JE 1/2	D,S	N		Water contains iron.
24-1	William L. Smith	W. L. Smith	1949	D	87	8	Qt	87	78	10-17-61	CE 3/4	D,S	N		
26-1	Ben Pevey	Mr. Uhler	1951	D	100	2	Qt	-	40	10-17-61	JE 1/2	D,S	N		
32-1	State of Mississippi	Unknown	1961	D	400	2	Thp	-	100	10-19-61	JE -	PS	N		Water contains iron.
35-1	Ron Hollis	do	1959	D	100	2	Qt	-	30	10-19-61	CE 1/2	D	N		
36-1	Tener Bolden	Columbia Plumbing Co.	1959	D	30	2	Qt	-	30	10-17-61	CE 1/2	D,S	N		
O 24-1	Margaret Abram	Allen Lowe	1939	B	56	8	Qt	-	45	10-24-61	B	D,S	N		
P 1-1	Edward Sistrunk	Edward Sistrunk	1958	D	19	2	Qt	-	-	-	JE 1/2	D	N		
2-1	Collie Beach	Collie Beach	1951	D	30	2	Qt	-	22	10-19-61	CE -	D,S	N		
5-1	State of Mississippi	Dean Griner	1951	D	235	2	Thp	230	13	10-24-61	CE 3/4	D	N		
7-1	Hub School	do	1959	D	1,028	3	Thp	1,020	+	10-18-61	F	PS	C		
7-2	G. Johnson	do	1956	D	150	2	Qt	147	100	10-18-61	CE 3/4	D,S	N		
7-3	Robert E. Rawls	do	1955	D	728	2	Thp	713	+	10-19-61	F	D,S	N		
7-4	Hub School	S. R. Foxworth	1929	D	721	4	Thp	-	-	10-19-61	-	N	N		Well abandoned 1960 after water stopped flowing to surface.
12-1	Leo Swayze	Unknown	1961	D	19	2	Qt	-	10	10-18-61	JE 1/2	D,S	N		
14-1	John L. Fortenberry	John L. Fortenberry	1948	D	28	6	Qt	28	15	10-17-61	JE 1/2	D,S	N		Water contains iron.
14-2	W. Thomas	- - Bedwell	1955	D	30	2	Qt	-	30	10-19-61	CE 1/2	D,S	N		
15-1	R. V. Brakefield	Unknown	1953	D	35	2	Qt	-	20	10-18-61	JE 1/2	D	N		
15-2	Larkin Spears	do	1953	D	18	2	Qt	-	10	10-18-61	CE 1/2	D,S	N		
16-1	L. J. Rhymes	Allen Lowe	1945	D	26	9	Qt	26	14	10-18-61	CE 1/2	D,S	N		
17-1	Wallace Patterson	Dean Griner	1958	D	160	2	Thp	154	-	-	JE 1/2	D	N		
18-1	Charley Nettles	Bruce Creek	1950	D	30	12	Qt	30	5	10-18-61	B	D,S	N		Estimated spring discharge 1 to 2 gpm.
19-1	Warren Peters	Unknown	1949	S	90	-	Qt	-	45	10-19-61	CE 3/4	D,S	N		
23-1	E. Sautier	T. C. Cabiness	1958	D	167	2	Thp	-	80	10-19-61	CE 3/4	D	N		
30-1	Roxie Alexander	Bruce Chris	1960	D	52	8	Qt	50	44.0	10-24-61	B	D	N		
31-1	Boyd Horn	Boyd Horn	1957	D	22	2	Qt	18	12.0	10-24-61	CE 1/2	D,S	N		
31-2	Lisa Van	Dean Griner	1955	D	100	2	Qt	-	-	10-24-61	JE 1/2	D,S	N		
32-1	Gustave Jefferson	Julius Stampers	1945	D	65	8	Qt	65	40	10-24-61	B	D,S	N		
R 6-1	Robert L. Moses	Unknown	1951	D	-	2	Qt	-	10	10-23-61	P	D	N		
7-1	Annie Peters	do	1945	D	-	2	Qt	-	20	10-23-61	JE -	D,S	N		
9-1	Jimmie Carter	Dave Galloway	1945	B	30	2	Qt	-	20	10-23-61	B	D	N		
10-1	Mrs. Ludie Askew	T. C. Cabiness	1953	D	96	2	Qt	-	56	10-19-61	JE -	D	N		
11-1	H. G. Ford	H. G. Ford	1959	D	42	6	Qt	42	25.1	10-23-61	B	D,S	N		
14-1	Wabbi Ladner	Unknown	1951	D	30	2	Qt	-	20	10-23-61	JE 1/2	D,S	N		
17-1	Ruth Abraham	Mr. Uleton	1958	D	30	2	Qt	-	22	10-23-61	JE 1/2	D,S	N		
18-1	Roosevelt Payne	Unknown	1956	D	30	2	Qt	-	10	10-23-61	JE -	D,S	N		Water contains iron.
18-2	Ray Peters	Ray Peters	1941	D	20	2	Qt	-	20	10-23-61	JE 1/2	D,S	N		
19-1	Ernest Ford	Dean Griner	1951	D	84.5	3	Thp	82.4	+	10-23-61	F	D,S	N		Water contains iron and sulphur.
19-2	do	do	1956	D	850	2	Thp	-	+	10-23-61	F	S	C		Water contains iron. Discharge 50 gpm estimated.
28-1	Dolphur Toney	Unknown	-	D	60	2	Qt	-	60	10-23-61	B	D,S	N		
29-1	Harris Brown	Harris Brown	1940	D	100	2	Qt	-	20	10-23-61	JE -	D	N		
PEARL RIVER COUNTY															
B 1-1	Virgil Baxter	Sedgie Rouse	1953	D	100	2	Qt	-	50	10-24-61	CE 1/2	D,S	N		Water contains iron.
1-2	do	do	-	B	42	8	Qt	-	20.3	10-25-61	-	N	N		
2-1	Joel Bilbo	do	1951	D	57	2	Qt	-	57	-	CE 1/2	D,S	N		
2-2	J. V. Bilbo	do	1926	D	52	8	Qt	-	34	10-25-61	CE 3/4	D,S	N		
7-1	Charles E. Reyer	Julius Stanford	1945	D	34	8	Qt	40	17.5	10-24-61	B	D,S	N		
13-1	Camp B. Stewart	Marvin Bell	1951	D	63	2	Qt	-	63	10-24-61	CE -	D,S	N		
13-2	Joel Bilbo	Unknown	1946	D	35	2	Qt	-	-	10-24-61	CE 3/4	D	N		
24-1	June Hoston	do	1956	D	237	2	Thp	225	147	10-24-61	CE 3/4	D,S	N		
24-2	Beulah M. Stewart	do	1940	D	90	8	Qt	96	81	10-25-61	JE 3/4	D,S	N		
25-1	S. C. Flint	Marvin Bell	1949	D	73	2	Qt	-	40	10-24-61	CE 3/4	D	N		
25-2	Clara Burge	H. T. Burge	1930	D	56	8	Qt	56	47	10-25-61	JE -	D	N		Water contains iron.
25-3	Vardaman Bilbo	Marvin Bell	1957	D	57	2	Qt	-	45	10-30-61	CE 3/4	D	N		Do
26-1	Aubrey Lowe	Unknown	1945	D	65	2	Qt	-	50	10-24-61	CE 1/2	D,S	N		Do
30-1	Claudia Lewis	do	1922	B	32	8	Qt	32	22.4	10-24-61	B	D,S	N		
33-1	Ladner-Stanford	Warren Stanford	1935	D	90	8	Qt	90	25	10-24-61	CE 3/4	D	N		
36-1	Heirs	do	1948	D	272	2	Thp	266	95	10-24-61	CE 3/4	D,S	N		
C 28-1	C. S. Byrd	Marvin Bell	1954	D	48	2	Qt	-	32	10-24-61	JE 1/2	D,S	N		
29-1	D. Barrett	do	1942	D	60	2	Qt	-	45	10-24-61	CE 1/2	D,S	N		Inadequate at times.
30-1	C. C. Reyer	- - Bedwell	1945	D	80	2	Qt	-	50	10-24-61	B	D,S	N		Water contains iron.
31-1	R. E. Baxter	Quick & Orice	1951	D	160	2	Thp	-	27	10-24-61	CE 1/2	D,S	N		Do
33-1	Ross Reyer	Marvin Bell	1957	D	62	2	-	-	45	10-24-61	CE -	D,S	N		
D 3-1	Otis Jones	Unknown	1950	D	100	2	Qt	-	-	-	CE 1/2	D,S	N		
4-1	I. H. Bass	do	1958	D	175	2	Thp	-	100	10-24-61	CE 3/4	D	N		Water contains iron.
4-2	H. P. Byrd	Marvin Bell	1945	D	50	2	Qt	42	40	10-24-61	CE 1/3	D,S	N		Do
5-1	Oliver Baptist Church	Unknown	-	D	-	2	Qt	-	40	10-25-61	JE 1/2	PS	N		
6-1	Marvin Pardus	Marvin Parker	1946	D	28	2	Qt	-	28	10-24-61	JE 1/2	D,S	N		
6-2	Claude Laird	Claude Laird	1944	D	40	8	Qt	-	33.1	10-25-61	B	D,S	N		
6-3	Robert Tyner	Marvin Bell	1960	D	40	2	Qt	-	-	-	JE -	D	N		
7-1	Lamar County Teachers	Unknown	1939	D	-	2	Qt	-	-	-	CE 1/2	D,S	N		
9-1	S. D. Jones	Marvin Bell	1950	D	42	2	Qt	-	18	10-30-61	CE 1/2	D	N		
11-1	E. T. Mardock	Columbia Plumbing Co.	1955	D	125	2	Qt	-	-	-	JE 1/2	D	N		
11-2	James C. Burge	Leo Ladner	1958	D	60	2	Qt	-	45	10-26-61	CE 1/2	D	N		
11-3	W. F. Warren	T. C. Cabiness	1960	D	177	4	Thp	-	80	10-30-61	JE -	D	N		Water contains iron.
11-4	International Paper Co.	M&B Drilling Co.	1960	D	517	2	Thp	-	157	10-25-61	-	D	N		
12-1	B. J. Dubo	Unknown	1946	D	220	2	Thp	-	-	-	CE -	N	N		Well filled to surface 10-26-61.
16-1	Wolf River Game Refuge	do	-	D	200	2	Thp	-	75	10-30-61	CE 1/2	PS	N		
19-1	Ed Strand	Sears, Roebuck Co.	1959	D	200	2	Thp	-	50	10-30-61	JE 3/4	D,S	N		
20-1	Eliza Ramsey	Marvin Bell	1958	D	60	2	Qt	-	44	10-30-61	CE -	D	N		
25-1	Joe Jones	Leo Ladner	1946	D	80	2	Qt	-	40	10-26-61	CE 1	D,S	N		Supplies water for 350 cows.
26-1	Mavis Ladner	Marvin Bell	1950	D	63	2	Qt	-	40	10-26-61	CE 1	D,S	N		
28-1	International Paper Co.	Sutter Well Works	1951	D	325	2	Thp	315	-	-	CE 1	PS,D	N		
29-1	C. M. Rouse	Leo Ladner	1948	D	65	2	Qt	-	25	10-30-61	CE 3/4	D,S	N		Water contains iron.
30-1	Hershel K. Smith	Dean Griner	1957	D	440	2	Thp	-	200	10-30-61	CE -	S	N		Do
30-2	do	T. C. Cabiness	-	D	58	4	Qt	-	50	10-30-61	JE 1/2	D	N		
31-1	Lorenzo Broadus	Marvin Bell	1961	D	59	2	Qt	54	45	10-25-61	CE 1/2	D,S	N		
32-1	J. W. Walley	Dean Griner	-	D	185	2	Thp	180	100	10-25-61	CE 1/2	PS,D	N		
32-2	Oliver Strahan	Leo Ladner	1961	D	53	4	Qt	-	41	10-25-61	JE 1/2	D,S	N		
32-3	R. C. Batson	C. H. Miller	1959	D	495	3	Thp	474	145	10-25-61	CE 1/2	D,S	N		
36-1	Glen Ladner	Marvin Bell	1953	D	72	2	Qt	-	53	10-26-61	CE 1/2	D,S	N		
36-2	L. L. Ladner	do	1948	D	86	3	Qt	76	50	10-26-61	CE 1/2	D,S	N		
F 18-1	D. W. Pagle	D. W. Pagle	1950	D	62	2	Qt	58	25	10-26-61	JE 1/2	D	N		

TABLE 3

CHEMICAL ANALYSES OF SELECTED WATER SAMPLES FROM TEST WELLS DRILLED ON THE AEC LEASE, TATUM DOME, LAMAR COUNTY, MISSISSIPPI

(Well numbers correspond to those in well tables 1 and 2, and on well-location map. Water-bearing units explained at top of table 1.)

Chemical analyses, in parts per million, April 12, 1961 to May 18, 1962. Analysed by U. S. Geological Survey, Baton Rouge, La.

Well No. Aquifer Screen (ft.)			Date of Collection	Water-bearing Unit	Silica (SiO ₂)	Iron (Fe)	Iron Total (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Carbonate (CO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Phosphate (PO ₄)	Manganese (Mn)	Dissolved Solids	Hardness as CaCO ₃		Specific con- ductance (me- trohmhos at 25C)	pH	Color	Temperature (°F)
																						Calcium, Magnesium	Noncarbon- ate				
HT-1	1	634-782	5/29/61	Thp	11	0.21	0.60	5.2	0.3	58	1.8	154	0	7.4	4.5	0.0	0.0	--	--	--	164	14	0	261	8.2	30	78
	2	925-1130	5/15/61	Thp	22	.40	1.8	6.2	1.1	8.5	2.9	32	0	9.6	4.1	.1	.0	--	--	--	71	20	0	85	6.4	70	79
	3	1230-1403	5/9/61	Tc	9.2	.14	.29	14	1.7	126	3.9	226	0	99	21	.9	.0	--	--	--	420	42	0	675	7.4	10	84
	4	1742-1880	4/28/61	Tv	22	.11	.11	5.4	2.6	483	7.8	613	0	1.4	412	6.0	.3	0.14	0.00	0.01	1,320	24	0	2,220	8.1	50	92
	5	2240-2390	6/9/61	Tcm	13	.02	4.4	87	50	7,040	117	510	0	25	11,000	3.0	.0	--	--	--	18,600	422	4	28,900	7.8	40	96
HT-1a	2	868-1089	4/12/61	Thp	13	1.8	4.2	9.4	5.3	29	4.4	86	0	31	6.4	.5	.3	.21	.00	.10	142	45	0	209	6.8	240	--
HT-1b	2	850-700	4/17/61	Thp	35	.24	2.5	3.1	1.0	12	2.4	27	0	11	4.3	.1	.0	.20	.00	.00	83	12	0	77	6.3	60	--
^a J-12-9	-	60-62	4/19/62	Qt	5.1	.00	--	12	3.4	8.5	1.8	56	0	6.8	8.0	.2	.0	.10	.00	.08	74	44	0	130	6.8	5	69
^b J-13-3	2	860-1050	4/15/61	Thp	18	2.1	2.5	9.4	2.1	53	5.3	107	0	38	16	1.2	.4	.17	.00	.00	203	32	0	302	6.9	480	74
^a J-14-1	-	40-42	4/19/62	Qt	0.8	.01	--	9.2	1.2	14	3.2	46	0	13	8.2	.4	.0	.03	.00	.02	90	28	0	142	7.5	10	69
HT-2	1	800-820	6/7/61	Thp	34	.36	.60	7.5	.1	25	3.1	85	0	0.0	4.6	.0	.0	--	--	--	117	19	0	162	6.7	10	74
	2	920-1000	5/29/61	Thp	22	.13	1.5	5.4	1.1	7.8	2.9	27	0	10	4.5	.0	.0	--	--	--	67	18	0	81	6.2	20	77
	3	1270-1400	5/26/61	Tc	12	.05	.52	4.7	.8	538	10	592	0	1.2	503	3.0	.0	--	--	--	1,420	15	0	2,390	8.0	60	87
	4	1817-1959	5/19/61	Tv	11	.05	.43	4.5	.4	557	11	601	0	6.6	.522	3.0	.0	--	--	--	1,480	13	0	2,430	8.1	50	90
	5	2414-2618	6/18/61	Tcm	14	.05	1.6	133	87	11,800	196	372	0	64	18,600	-3.0	1.0	--	--	--	31,100	688	383	47,800	7.7	30	91
^c HT-2c	Local	341-361	5/26/61	Thp	20	.04	.11	7.2	.5	43	1.8	129	0	1.2	5.2	.1	.0	--	--	--	143	20	0	223	7.0	0	--
HT-2a	2	935-1016	4/30/61	Thp	35	.30	1.9	4.4	.5	10	2.4	26	0	11	4.2	.0	.1	41	.00	.00	81	13	0	75	6.2	100	77
HT-2b	2	925-1003	5/6/61	Thp	22	.02	2.6	6.1	.2	6.0	2.9	26	0	5.4	4.2	.0	.0	--	--	--	60	16	0	77	6.3	5	77

^aDrive point installed in terrace deposits by USGS.

^bHumble No. 1 Hibernia oil test. Casing perforated to obtain water sample.

^cWater supply well (Layne-Central Co.) retained for observation well.

TABLE 4

CHEMICAL ANALYSES OF SELECTED WATER SAMPLES FROM SUPPLY WELLS IN THE TATUM DOME AREA, LAMAR COUNTY, MISSISSIPPI

(Well numbers correspond to those in well tables and on well-location map. Water-bearing units explained at top of table 1.)

Chemical analyses, in parts per million, May 24, 1961 to January 25, 1962. Analysed by U. S. Geological Survey, Baton Rouge, La.

Well	Owner	Date of Collection	Water-bearing unit	Silica (SiO ₂)	Iron (Fe)	Iron Total (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Carbonate (CO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Manganese (Mn)	Phosphate (PO ₄)	Dissolved Solids	Hardness as CaCO ₃		Specific Conductance (micromhos at 25°C)	pH	Color	Temperature (°F)	
																					Ca, Mg	Noncarbonate					
A-8-2	O. Williamson	1/24/62	Thp	15	0.00	6.0	4.6	2.6	5.5	1.6	41	0	0.8	1.2	0.1	0.0	0.00	0.10	0.00	62	22	0	110	6.2	10		
A-33-2	W. A. Sanford	1/24/62	Thp	52	.01	5.6	5.3	2.1	8.5	2.0	49	0	.6	1.3	.2	.0	.00	.06	.00	96	22	0	89	6.2	10	66	
B-7-1	City of Sumrall	1/23/62	Thp	20	.00	0.30	4.5	0.7	3.9	1.3	22	0	1.0	3.1	.2	.0	.05	.04	.00	46	14	0	62	5.9	10	69	
C-29-3	G. R. Gibson	1/24/62	Thp	3.9	.00	2.2	5.0	2.3	3.7	1.2	33	0	.2	3.0	.1	.0	.00	.02	.00	35	22	0	93	6.2	10		
C-33-1	A. J. Bond	9/22/61	--	--	--	--	--	--	--	--	--	--	--	7.7	--	--	--	--	--	--	10	--	--	44	--	--	--
D-20-2	Troy Whidden	1/23/62	Thp	43	.05	8.9	9.6	2.2	9.4	2.3	63	0	.6	3.0	.1	.0	.00	.20	.00	101	33	0	120	6.8	40		
D-31-1	Lawrence Nobles	1/23/62	Thp	28	.00	10	4.7	1.5	14	2.2	54	0	.6	4.1	.2	.0	.00	.20	.00	82	18	0	101	6.4	10		
E-13-1	Hal Fox	1/25/62	Thp	42	.00	4.9	5.0	.9	8.3	2.2	30	0	6.0	3.9	.1	.0	.03	.08	.00	84	16	0	79	6.1	10	--	
E-26-2	E. W. Collins	12/12/61	Thp	2.0	.01	1.2	1.0	.6	6.7	1.3	12	0	5.6	2.9	.4	.0	.00	.04	.00	27	5	0	64	6.1	10	69	
F-1-1	Sally Davis	9/22/61	Qt	--	--	--	--	--	--	--	--	--	--	16	--	--	--	--	--	--	19	--	--	126	--	--	--
F-1-2	Burket Breazeale	9/25/61	Qt	--	--	--	--	--	--	--	--	--	--	60	--	--	--	--	--	--	25	--	--	373	--	--	70
F-2-1	Ross Beatty	9/22/61	Qt	--	--	--	--	--	--	--	--	--	--	5.1	--	--	--	--	--	--	29	--	--	80	--	--	--
F-5-1	M. W. Dunn	9/22/61	Qt	--	--	--	--	--	--	--	--	--	--	3.5	--	--	--	--	--	--	9	--	--	54	--	--	--
F-6-1	J. S. Riley	9/22/61	--	--	--	--	--	--	--	--	--	--	--	4.5	--	--	--	--	--	--	8	--	--	44	--	--	--
F-7-1	Allan Ball	9/22/61	Thp	--	--	--	--	--	--	--	--	--	--	8.9	--	--	--	--	--	--	53	--	--	174	--	--	--
F-7-2	M. H. Entrekin	9/22/61	Qt	--	--	--	--	--	--	--	--	--	--	3.8	--	--	--	--	--	--	6	--	--	44	--	--	--
F-8-1	W. G. Lott	9/22/61	Qt	4.9	.00	--	3.6	1.2	2.7	.5	14	0	1.2	4.5	.0	3.9	.00	.01	.00	37	14	2	47	6.5	5	--	
F-8-2	Lonnie Thompson	9/22/61	Thp	37	--	.53	14	4.6	11	2.6	88	0	.4	6.2	.1	.6	.01	.00	.09	120	54	0	147	7.1	10	--	
F-8-2	Lonnie Thompson	9/22/61	Thp	--	--	--	--	--	--	--	--	--	--	7.8	--	--	--	--	--	--	52	--	--	167	--	--	--
F-19-1	Jack Spears	8/19/61	Qt	--	--	--	--	--	--	--	--	--	--	0.2	--	--	--	--	--	--	3	--	--	33	--	--	69
F-19-3	Ralph Turner	8/19/61	Qt	--	--	--	--	--	--	--	--	--	--	1.8	--	--	--	--	--	--	3	--	--	19	--	--	69
F-19-4	Jack Spears	8/21/61	Qt	--	--	--	--	--	--	--	--	--	--	1.0	--	--	--	--	--	--	4	--	--	36	--	--	69
F-19-5	John Ball	9/22/61	Qt	--	--	--	--	--	--	--	--	--	--	2.4	--	--	--	--	--	--	3	--	--	24	--	--	--
F-23-1	J. C. Cameran	8/9/61	--	--	--	--	--	--	--	--	--	--	--	2.0	--	--	--	--	--	--	5	--	--	22	--	--	68
F-24-1	Walton Cameron	5/25/61	Qt	38	.08	4.7	12	1.7	7.8	3.0	62	0	1.0	4.7	.0	.0	--	--	--	99	37	0	122	6.4	10	70	
F-25-1	John Gipson	5/24/61	--	--	--	--	--	--	--	--	--	--	--	5.8	--	--	--	--	--	--	8	--	--	41	--	--	--
F-25-2	Buel Bryant	5/24/61	Qt	7.0	.02	1.4	1.1	.1	2.5	.8	4	0	1.2	3.5	.0	.1	--	--	--	18	3	0	18	5.3	20	70	
F-27-1	Virgil Smith	8/9/61	Qt	--	--	--	--	--	--	--	--	--	--	7.3	--	--	--	--	--	--	57	--	--	215	--	--	69
F-27-2	Virgil Smith, Jr.	8/9/61	Qt	--	--	--	--	--	--	--	--	--	--	3.9	--	--	--	--	--	--	10	--	--	68	--	--	69
F-29-1	Mrs. D. Saucier	8/9/61	Qt	--	--	--	--	--	--	--	--	--	--	2.1	--	--	--	--	--	--	5	--	--	50	--	--	70
F-29-2	Earl Beach	8/9/61	Thp	48	.03	.20	17	2.6	14	2.6	91	0	.2	8.8	.2	.0	.01	.50	.10	145	53	0	182	6.5	0	72	
F-29-3	Earl Beach	8/9/61	Thp	--	--	--	--	--	--	--	--	--	--	9.2	--	--	--	--	--	--	51	--	--	187	--	--	70
F-29-5	G. A. Gipson	8/9/61	Qt	--	--	--	--	--	--	--	--	--	--	3.1	--	--	--	--	--	--	2	--	--	18	--	--	70
F-29-6	M. L. Thompson	8/9/61	Qt	--	--	--	--	--	--	--	--	--	--	2.0	--	--	--	--	--	--	2	--	--	27	--	--	70
F-29-7	Edward Smith	8/9/61	Qt	--	--	--	--	--	--	--	--	--	--	1.7	--	--	--	--	--	--	2	--	--	19	--	--	70
F-29-8	Clyde Thompson	9/22/61	Qt	--	--	--	--	--	--	--	--	--	--	5.5	--	--	--	--	--	--	6	--	--	41	--	--	72
F-30-1	Harold Bolin	8/21/61	Qt	--	--	--	--	--	--	--	--	--	--	1.3	--	--	--	--	--	--	5	--	--	16	--	--	69
F-30-2	Harold Bolin	8/31/61	Qt	--	--	--	--	--	--	--	--	--	--	1.9	--	--	--	--	--	--	2	--	--	37	--	--	69
F-31-1	L. R. Harvey	8/21/61	Qt	--	--	--	--	--	--	--	--	--	--	2.2	--	--	--	--	--	--	4	--	--	24	--	--	69
F-33-1	Leo L. Saucier	8/9/61	Qt	--	--	--	--	--	--	--	--	--	--	7.3	--	--	--	--	--	--	64	--	--	225	--	--	72
F-33-2	Sarah Entrekin	8/9/61	Thp	--	--	--	--	--	--	--	--	--	--	8.1	--	--	--	--	--	--	65	--	--	243	--	--	70
F-33-3	Vernon Gipson	8/9/61	Thp	--	--	--	--	--	--	--	--	--	--	6.7	--	--	--	--	--	--	58	--	--	210	--	--	70
F-36-1	Lavell Slade	5/25/61	Qt	--	--	--	--	--	--	--	--	--	--	2.8	--	--	--	--	--	--	5	--	--	24	--	--	--
F-36-2	Will Gipson	5/24/61	Qt	--	--	--	--	--	--	--	--	--	--	5.7	--	--	--	--	--	--	4	--	--	29	--	--	75

TABLE 4 - Continued

Chemical analyses, in parts per million, May 24, 1961 to January 19, 1962. Analysed by U. S. Geological Survey, Baton Rouge, La.

Well	Owner	Date of Collection	Water-bearing unit	Silica (SiO ₂)	Iron (Fe)	Iron Total (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Carbonate (CO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Manganese (Mn)	Phosphate (PO ₄)	Dissolved Solids	Hardness as CaCO ₃		Specific Conductance (micromhos at 25°C)	pH	Color	Temperature (°F)
																					Ca, Mg	Noncarbonate				
F-36-3	B. M. Gipson	5/24/61	Qt	--	--	--	--	--	--	--	--	--	--	6.0	--	--	--	--	--	--	7	--	50	--	--	--
F-36-4	Bessie Anderson	5/24/61	Qt	--	--	--	--	--	--	--	--	--	--	5.8	--	--	--	--	--	--	13	--	55	--	--	--
F-36-5	J. C. Gipson	5/25/61	Qt	--	--	--	--	--	--	--	--	--	--	4.0	--	--	--	--	--	--	6	--	34	--	--	--
G-14-1	T. Davis	1/19/62	Qt	20	0.00	8.5	1.2	0.5	4.1	1.2	12	0	0.0	4.0	0.0	0.0	0.20	0.00	0.00	37	5	0	33	6.4	10	--
G-18-1	Tatum Lbr. Co.	8/21/61	Qt	--	--	--	--	--	--	--	--	--	--	7.6	--	--	--	--	--	--	22	--	98	--	--	69
G-18-2	Tatum Lbr. Co.	8/21/61	Qt	--	--	--	--	--	--	--	--	--	--	2.3	--	--	--	--	--	--	16	--	52	--	--	69
G-19-1	W. R. Burge	5/24/61	Qt	--	--	--	--	--	--	--	--	--	--	3.8	--	--	--	--	--	--	7	--	30	--	--	--
G-19-2	Houston Bounds	5/24/61	Qt	--	--	--	--	--	--	--	--	--	--	1.5	--	--	--	--	--	--	3	--	19	--	--	--
G-19-3	Emma Sumrall	5/25/61	Qt	--	--	--	--	--	--	--	--	--	--	3.2	--	--	--	--	--	--	6	--	28	--	--	70
G-27-2	Everett Cameron	8/21/61	Qt	--	--	--	--	--	--	--	--	--	--	6.0	--	--	--	--	--	--	3	--	34	--	--	69
G-27-4	N. C. Cook	8/21/61	Qt	--	--	--	--	--	--	--	--	--	--	34	--	--	--	--	--	--	18	--	178	--	--	68
G-30-1	Hubert Bounds	5/25/61	Qt	--	--	--	--	--	--	--	--	--	--	4.1	--	--	--	--	--	--	6	--	31	--	--	67
G-34-1	Everett Cameron	8/21/61	Qt	--	--	--	--	--	--	--	--	--	--	3.3	--	--	--	--	--	--	4	--	41	--	--	69
G-34-2	J. H. Padgett	8/21/61	Qt	--	--	--	--	--	--	--	--	--	--	1.5	--	--	--	--	--	--	3	--	18	--	--	69
G-34-3	R. L. Broomé	8/21/61	Qt	--	--	--	--	--	--	--	--	--	--	2.3	--	--	--	--	--	--	2	--	37	--	--	69
H-23-1	G. Thomas	1/18/62	Thp	32	.06	2.8	6.0	1.7	14	1.6	64	0	.0	3.0	.1	.0	.00	.08	.00	91	22	0	121	6.9	15	--
J-1-4	Horace Burge	6/7/61	Qt	4.8	.00	0.02	1.3	.7	2.8	0.6	6	0	.6	3.6	.0	2.9	--	--	--	20	6	1	28	5.7	5	68
J-4-1	A. A. Whiddon	1/19/62	Thp	43	.01	.10	23	2.3	26	2.7	140	0	1.6	8.1	.1	.0	.00	.20	.00	176	67	0	247	7.7	10	--
J-4-4	C. M. Thompson	1/19/62	Qt	7.5	.00	1.5	1.1	.3	3.0	1.2	7	0	.0	3.8	.0	1.2	.00	.10	.00	21	4	0	34	6.1	5	--
J-4-7	Duval Sones	8/4/61	Qt	--	--	--	--	--	--	--	--	--	--	7.3	--	--	--	--	--	--	72	--	210	--	--	68
J-4-8	Ben F. Sones	8/4/61	Thp	--	--	--	--	--	--	--	--	--	--	8.2	--	--	--	--	--	--	99	--	272	--	--	72
J-4-9	Ben F. Sones	8/4/61	Qt	--	--	--	--	--	--	--	--	--	--	24	--	--	--	--	--	--	6	--	123	--	--	74
J-5-1	Henry Bolin	7/18/61	Qt	--	--	--	--	--	--	--	--	--	--	32	--	--	--	--	--	--	67	--	239	--	--	--
J-5-2	Perry Lee	7/18/61	Qt	--	--	--	--	--	--	--	--	--	--	5.5	--	--	--	--	--	--	8	--	57	--	--	72
J-5-3	Rufus Saucier	7/18/61	Thp	38	.04	.45	20	3.2	20	2.3	120	0	.6	7.5	.1	.0	.00	.40	.00	168	63	0	225	6.6	0	74
J-5-4	Lewis Rayborn	8/4/61	Thp	--	--	--	--	--	--	--	--	--	--	5.9	--	--	--	--	--	--	64	--	186	--	--	72
J-5-5	Howard Smith	8/4/61	Thp	--	--	--	--	--	--	--	--	--	--	7.8	--	--	--	--	--	--	64	--	216	--	--	72
J-7-1	Albert Pittman	7/18/61	Qt	--	--	--	--	--	--	--	--	--	--	1.5	--	--	--	--	--	--	12	--	72	--	--	68
J-7-2	Tom Smith	7/18/61	Qt	--	--	--	--	--	--	--	--	--	--	4.2	--	--	--	--	--	--	8	--	43	--	--	74
J-8-3	Tom Malley	8/4/61	Thp	--	--	--	--	--	--	--	--	--	--	13	--	--	--	--	--	--	80	--	288	--	--	70
J-8-4	James Boler	8/4/61	Thp	--	--	--	--	--	--	--	--	--	--	10	--	--	--	--	--	--	78	--	273	--	--	--
J-8-5	Marge Arrington	8/4/61	Thp	--	--	--	--	--	--	--	--	--	--	10	--	--	--	--	--	--	79	--	282	--	--	70
J-8-6	Buster Carroll	8/4/61	Qt	--	--	--	--	--	--	--	--	--	--	14	--	--	--	--	--	--	16	--	132	--	--	74
J-10-1	Toxie Speights	9/12/61	Qt	--	--	--	--	--	--	--	--	--	--	6.1	--	--	--	--	--	--	5	--	26	--	--	70
J-10-1	Toxie Speights	1/22/62	Qt	5.1	.02	.92	0.9	.2	2.1	0.7	7	0	.6	1.6	.0	.0	.05	.10	.00	14	3	0	22	6.0	20	--
J-16-1	Benny Smith	1/19/62	Qt	6.3	.03	--	35	52	24	2.1	1	0	.4	43	.3	360	.00	.04	.00	524	300	299	949	4.9	5	--
J-16-6	Joe T. Smith	7/18/61	Qt	7.1	.00	.87	.8	.7	4.4	.8	14	0	.0	2.5	.0	1.1	.00	.20	.00	24	5	0	38	5.9	0	68
J-16-7	Wylie Smith	7/18/61	Qt	--	--	--	--	--	--	--	--	--	--	3.8	--	--	--	--	--	--	35	--	84	--	--	70
J-16-8	Wylie Smith	7/18/61	Qt	--	--	--	--	--	--	--	--	--	--	3.0	--	--	--	--	--	--	5	--	25	--	--	68
J-16-9	Mrs. J. J. Smith	7/18/61	Qt	--	--	--	--	--	--	--	--	--	--	2.9	--	--	--	--	--	--	5	--	29	--	--	70
J-16-10	Archie Sistrunk	7/18/61	Qt	--	--	--	--	--	--	--	--	--	--	3.3	--	--	--	--	--	--	13	--	44	--	--	--

TABLE 4 - Continued

Chemical analyses, in parts per million, May 24, 1961 to January 22, 1962. Analysed by U. S. Geological Survey, Baton Rouge, La.

Well	Owner	Date of Collection	Water-bearing unit	Silica (SiO ₂)	Iron (Fe)	Iron Total (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Carbonate (CO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Manganese (Mn)	Phosphate (PO ₄)	Dissolved Solids	Hardness as CaCO ₃		Specific Conductance (micromhos at 25°C)	pH	Color	Temperature (°F)
																					Ca, Mg	Noncarbonate				
J-16-11	Mark Lowe	7/22/61	Qt	--	--	--	--	--	--	--	--	--	--	2.7	--	--	--	--	--	--	16	--	64	--	--	72
J-16-13	Oscar Burge	8/3/61	Qt	--	--	--	--	--	--	--	--	--	--	6.0	--	--	--	--	--	--	12	--	68	--	--	--
J-16-14	Clifton May	8/3/61	Qt	--	--	--	--	--	--	--	--	--	--	4.9	--	--	--	--	--	--	7	--	41	--	--	--
J-16-15	L. W. Gipson	8/3/61	Qt	--	--	--	--	--	--	--	--	--	--	4.1	--	--	--	--	--	--	24	--	66	--	--	68
J-16-16	Frank Gipson	8/3/61	Qt	--	--	--	--	--	--	--	--	--	--	3.5	--	--	--	--	--	--	15	--	81	--	--	70
J-17-1	T. J. Burge	8/3/61	Qt	--	--	--	--	--	--	--	--	--	--	5.5	--	--	--	--	--	--	5	--	40	--	--	72
J-21-5	E. L. Lambert	7/21/61	Qt	--	--	--	--	--	--	--	--	--	--	2.9	--	--	--	--	--	--	4	--	34	--	--	70
J-21-6	E. L. Lambert	7/21/61	Qt	--	--	--	--	--	--	--	--	--	--	3.0	--	--	--	--	--	--	2	--	18	--	--	68
J-21-7	J. E. Johnson	7/21/61	Qt	--	--	--	--	--	--	--	--	--	--	3.7	--	--	--	--	--	--	4	--	27	--	--	--
J-21-8	J. T. Johnson	7/21/61	Qt	--	--	--	--	--	--	--	--	--	--	2.6	--	--	--	--	--	--	3	--	24	--	--	68
J-22-1	J. O. Saul	9/12/61	Qt	--	--	--	--	--	--	--	--	--	--	6.0	--	--	--	--	--	--	4	--	18	--	--	69
J-22-1	J. O. Saul	1/19/62	Qt	6.3	0.00	0.89	0.8	0.0	1.4	0.5	4	0	0.6	1.1	0.0	0.1	0.00	0.10	0.00	13	2	0	17	6.0	5	--
J-22-3	G. C. Saul	9/12/61	Qt	--	--	--	--	--	--	--	--	--	--	4.1	--	--	--	--	--	--	4	--	29	--	--	69
J-25-1	R. E. Thompson	5/24/61	Qt	4.4	.02	.27	1.4	.4	2.5	.7	7	0	.0	4.1	.0	.0	--	--	--	16	5	0	22	5.4	5	70
J-25-2	Rudolph Thompson	5/24/61	Qt	--	--	.38	--	--	--	--	--	--	--	5.1	--	--	--	--	--	--	8	--	36	--	--	--
J-25-3	Willie Entrekin	5/25/61	Qt	--	--	.08	--	--	--	--	--	--	--	4.8	--	--	--	--	--	--	5	--	28	--	--	70
J-25-3	Willie Entrekin	7/21/61	Qt	--	--	--	--	--	--	--	--	--	--	3.0	--	--	--	--	--	--	2	--	32	--	--	69
J-25-4	Vollie Debrow	5/26/61	--	--	--	.13	--	--	--	--	--	--	--	5.0	--	--	--	--	--	--	46	--	108	--	--	69
J-25-5	T. C. Breshears	5/12/61	Qt	5.2	.02	2.6	4.7	1.5	2.5	.6	20	0	.4	5.4	.0	.0	--	--	--	30	18	2	45	6.0	20	70
J-25-6	R. E. Thompson	7/25/61	Qt	--	--	--	--	--	--	--	--	--	--	3.1	--	--	--	--	--	--	5	--	32	--	--	69
J-25-7	R. T. Thompson	7/25/61	Qt	--	--	--	--	--	--	--	--	--	--	3.4	--	--	--	--	--	--	2	--	40	--	--	71
J-27-1	Hubert Powell	9/12/61	Qt	--	--	--	--	--	--	--	--	--	--	1.1	--	--	--	--	--	--	8	--	26	--	--	70
J-27-2	Dasson Johnson	9/12/61	Qt	--	--	--	--	--	--	--	--	--	--	2.6	--	--	--	--	--	--	2	--	18	--	--	--
J-27-3	Lee Anderson	9/12/61	Qt	--	--	--	--	--	--	--	--	--	--	4.0	--	--	--	--	--	--	8	--	58	--	--	70
J-27-4	Lynell Rayborn	9/12/61	Qt	--	--	--	--	--	--	--	--	--	--	4.8	--	--	--	--	--	--	5	--	41	--	--	69
J-28-5	H. R. Diamond	1/19/62	Qt	7.9	.01	.69	1.5	1.0	5.3	.8	20	0	1.4	2.0	.0	.0	.00	.02	.00	30	8	0	57	6.2	10	--
J-34-2	Kerry Kittrell	9/12/61	Qt	6.1	--	.00	.8	.9	1.2	.4	8	0	.2	2.2	.0	.9	.02	.00	.00	17	6	0	25	6.4	3	74
J-34-6	Baxterville Methodist Church	9/12/61	Qt	--	--	--	--	--	--	--	--	--	--	4.5	--	--	--	--	--	--	8	--	40	--	--	70
J-34-12	Lester Breazeale	8/22/61	Thp	--	--	--	--	--	--	--	--	--	--	3.0	--	--	--	--	--	--	4	--	41	--	--	69
J-34-13	George Cain	8/22/61	Qt	--	--	--	--	--	--	--	--	--	--	4.0	--	--	--	--	--	--	4	--	18	--	--	69
J-36-1	R. T. Thompson	5/24/61	Qt	--	--	.12	--	--	--	--	--	--	--	3.1	--	--	--	--	--	--	3	--	15	--	--	70
J-36-2	James Dearman	5/24/61	Qt	--	--	--	--	--	--	--	--	--	--	9.8	--	--	--	--	--	--	6	--	69	--	--	68
J-36-3	R. C. Ready	5/26/61	Qt	--	--	.37	--	--	--	--	--	--	--	2.9	--	--	--	--	--	--	3	--	19	--	--	67
J-36-4	Arthur Lowe	5/24/61	Qt	--	--	1.2	--	--	--	--	--	--	--	3.7	--	--	--	--	--	--	7	--	31	--	--	67
K-5-1	M. L. Anderson	1/19/62	Qt	6.7	.00	2.1	1.7	.4	6.4	.8	18	0	.4	4.1	.1	.1	.00	.10	.00	40	6	0	43	6.2	5	65
K-5-3	L. H. Breazeale	8/22/61	Qt	--	--	--	--	--	--	--	--	--	--	3.3	--	--	--	--	--	--	5	--	44	--	--	69
K-7-2	G. W. Anderson	1/19/62	Qt	7.1	.00	.32	1.0	.6	2.5	.9	6	0	.6	3.0	.1	2.3	.00	.04	.00	21	5	0	29	6.0	10	--
K-7-4	G. W. Anderson	8/22/61	Qt	--	--	--	--	--	--	--	--	--	--	2.9	--	--	--	--	--	--	13	--	45	--	--	70
K-7-5	V. A. Hatten	8/22/61	Qt	--	--	--	--	--	--	--	--	--	--	6.9	--	--	--	--	--	--	5	--	60	--	--	69
K-8-3	Colon Dobson	2/22/61	Qt	--	--	--	--	--	--	--	--	--	--	4.3	--	--	--	--	--	--	6	--	38	--	--	69
K-8-3	Colon Dobson	1/19/62	Qt	7.5	.00	2.6	1.9	.3	2.8	.9	7	0	.0	4.1	.0	1.8	.00	.10	.00	22	6	0	32	6.5	10	--
K-8-4	Colon Dobson	8/22/61	Qt	--	--	--	--	--	--	--	--	--	--	6.3	--	--	--	--	--	--	10	--	60	--	--	69

TABLE 4.- Continued

Chemical analyses, in parts per million, May 24, 1961 to January 22, 1962. Analysed by U. S. Geological Survey, Baton Rouge, La.

Well	Owner	Date of Collection	Water-bearing unit	Silica (SiO ₂)	Iron (Fe)	Iron Total (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Carbonate (CO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Manganese (Mn)	Phosphate (PO ₄)	Dissolved Solids	Hardness as CaCO ₃		Specific Conductance (micromhos at 25°C)	pH	Color	Temperature (°F)	
																					Ca, Mg	Noncarbonate					
K-16-1	Tillius Whidden	8-22-61	Qt	--	--	--	--	--	--	--	--	--	--	2.7	--	--	--	--	--	--	--	5	--	50	--	--	69
K-18-4	R. L. Anderson	1/19/62	Qt	6.3	0.00	1.2	1.0	0.1	1.2	0.7	5	0	0.4	1.2	0.0	0.2	0.00	0.20	0.00	13	3	0	16	6.4	10	--	
K-21-7	D. L. Busha	8/22/61	Qt	--	--	--	--	--	--	--	--	--	--	1.8	--	--	--	--	--	--	4	--	20	--	--	70	
K-24-1	Hubert Dudley	9/1/61	Qt	--	--	--	--	--	--	--	--	--	--	3.9	--	--	--	--	--	--	13	--	104	--	--	73	
K-24-2	A. Entrekin	9/1/61	Qt	--	--	--	--	--	--	--	--	--	--	31	--	--	--	--	--	--	20	--	174	--	--	70	
K-24-3	E. E. King	9/1/61	Qt	--	--	--	--	--	--	--	--	--	--	3.0	--	--	--	--	--	--	18	--	54	--	--	--	
K-24-4	B. O. Bond	9/1/61	--	--	--	--	--	--	--	--	--	--	--	5.0	--	--	--	--	--	--	12	--	64	--	--	--	
K-24-5	Mrs. V. Jones	9/1/61	Qt	--	--	--	--	--	--	--	--	--	--	3.6	--	--	--	--	--	--	8	--	40	--	--	--	
K-24-6	A. A. Saul	9/1/61	Qt	--	--	--	--	--	--	--	--	--	--	6.4	--	--	--	--	--	--	7	--	48	--	--	--	
K-24-7	O. C. Saul	9/1/61	Qt	--	--	--	--	--	--	--	--	--	--	6.0	--	--	--	--	--	--	5	--	43	--	--	--	
K-24-8	L. W. Vowell	9/1/61	Qt	--	--	--	--	--	--	--	--	--	--	4.8	--	--	--	--	--	--	3	--	19	--	--	--	
K-25-1	Ira Elliott	9/1/61	Thp	--	--	--	--	--	--	--	--	--	--	2.7	--	--	--	--	--	--	6	--	95	--	--	--	
K-26-1	Bud Cox	9/1/61	Thp	--	--	--	--	--	--	--	--	--	--	5.9	--	--	--	--	--	--	5	--	41	--	--	72	
K-26-2	Carl Arnold	9/1/61	Thp	--	--	--	--	--	--	--	--	--	--	2.0	--	--	--	--	--	--	2	--	16	--	--	74	
K-27-1	W. M. Engle	5/25/61	Qt	--	--	.17	--	--	--	--	--	--	--	5.1	--	--	--	--	--	--	12	--	92	--	--	73	
K-27-2	Mrs. J. E. Williamson	5/25/61	Qt	--	--	.16	--	--	--	--	--	--	--	2.9	--	--	--	--	--	--	6	--	26	--	--	68	
K-27-3	Earnest Housley	5/25/61	Qt	--	--	.08	--	--	--	--	--	--	--	9.0	--	--	--	--	--	--	33	--	115	--	--	68	
K-28-4	W. G. Massey	9/25/61	Qt	5.4	--	.47	3.5	10	11	3.8	2	0	.4	28	.0	45	.00	.00	.00	144	50	48	205	4.7	3	--	
K-28-4	W. G. Massey	2/15/62	Qt	--	.05	.08	--	--	--	--	--	--	--	56	--	75	--	--	--	--	--	--	358	--	--	--	
K-29-6	L. L. Housley	5/24/61	Qt	--	--	--	--	--	--	--	--	--	--	27	--	--	--	--	--	--	29	--	198	--	--	68	
K-31-1	Fréd Parker	5/18/61	Qt	8.4	.07	5.8	1.5	.8	4.6	.3	17	0	.0	2.5	.0	.0	.02	.00	.00	26	7	0	40	5.9	20	70	
K-31-2	Charlie Martin	5/18/61	Qt	7.6	.04	15	1.6	.0	3.2	.7	10	0	.0	2.5	.0	.0	.01	.00	.00	21	4	0	28	5.7	30	--	
K-31-3	U. S. G. S.	6/8/61	--	--	--	.12	--	--	--	--	--	--	--	2.2	--	--	--	--	--	--	8	--	31	--	--	70	
K-32-2	Ronald Entrekin	5/24/61	Qt	--	--	--	--	--	--	--	--	--	--	3.2	--	--	--	--	--	--	8	--	34	--	--	68	
K-32-3	Eddie Entrekin	5/24/61	Qt	--	--	--	--	--	--	--	--	--	--	3.0	--	--	--	--	--	--	4	--	15	--	--	68	
K-32-4	J. E. Entrekin	5/24/61	Qt	--	--	--	--	--	--	--	--	--	--	3.0	--	--	--	--	--	--	5	--	28	--	--	68	
K-32-5	Rembert Saucier	5/24/61	Qt	4.6	.00	.98	1.4	.1	1.8	.4	6	0	.0	2.2	.0	.6	--	--	--	14	4	0	25	5.5	0	68	
K-33-1	John Housley	5/24/61	Qt	3.8	.00	.22	4.4	6.6	9.0	2.8	5	0	.4	27	.0	24	--	--	--	80	38	34	147	5.5	0	69	
K-33-2	Mrs. W. M. Courtney	5/25/61	Qt	--	--	.02	--	--	--	--	--	--	--	4.0	--	--	--	--	--	--	7	--	22	--	--	69	
K-35-1	Theron Slade	9/1/61	Qt	--	--	--	--	--	--	--	--	--	--	6.9	--	--	--	--	--	--	10	--	87	--	--	72	
K-35-2	Pat Housley	9/1/61	Thp	--	--	--	--	--	--	--	--	--	--	5.0	--	--	--	--	--	--	3	--	18	--	--	72	
K-35-3	W. M. Masters	9/1/61	Qt	--	--	--	--	--	--	--	--	--	--	70	--	--	--	--	--	--	78	--	300	--	--	--	
K-35-5	Clyde Hendricks	9/1/61	Qt	--	--	--	--	--	--	--	--	--	--	7.8	--	--	--	--	--	--	4	--	25	--	--	72	
K-36-1	Leroy Elliot	9/1/61	Thp	--	--	--	--	--	--	--	--	--	--	8.3	--	--	--	--	--	--	5	--	29	--	--	72	
K-36-2	Tomas Lawler	9/6/61	--	--	--	--	--	--	--	--	--	--	--	5.6	--	--	--	--	--	--	5	--	23	--	--	--	
K-36-3	J. Z. Green	9/6/61	Qt	--	--	--	--	--	--	--	--	--	--	4.2	--	--	--	--	--	--	5	--	26	--	--	--	
K-36-4	C. L. Lawler	9/6/61	Thp	--	--	--	--	--	--	--	--	--	--	8.0	--	--	--	--	--	--	17	--	60	--	--	--	
K-36-5	E. Hendricks	9/6/61	Thp	--	--	--	--	--	--	--	--	--	--	6.4	--	--	--	--	--	--	11	--	64	--	--	82	
L-8-1	Town of Purvis	9/12/61	Qt	5.7	--	.06	1.4	2.3	6.8	1.6	0	--	.6	14	.0	7.1	.03	.00	.00	48	13	9	82	5.7	3	77	
L-16-2	Town of Purvis	2/19/62	Thp	43	.08	--	2.0	.0	19	1.4	46	0	4.6	4.1	.2	.0	.00	.04	.10	98	5	0	108	6.5	20	68	
L-32-2	Bass Memorial Academy	1/23/62	Thp	44	.00	.62	4.7	.7	10	1.3	44	0	.6	1.3	.1	.0	.00	.01	.20	85	15	0	80	6.8	10	68	
L-35-1	J. O. Baker	1/23/62	Thp	32	.00	.05	1.8	.4	5.5	1.8	20	0	.8	2.0	.2	.0	.00	.01	.10	55	6	0	41	6.7	10	68	

TABLE 4 - Continued

Chemical analyses, in parts per million, May 24, 1961 to January 22, 1962. Analysed by U. S. Geological Survey, Baton Rouge, La.																											
Well	Owner	Date of Collection	Water-bearing unit	Silica (SiO ₂)	Iron (Fe)	Iron Total (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Carbonate (CO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Manganese (Mn)	Phosphate (PO ₄)	Dissolved Solids	Hardness as CaCO ₃		Specific Conductance (micromhos at 25°C)	pH	Color	Temperature (°F)	
																					Ca, Mg	Noncarbonate					
M-1-1	I. H. Bass	9/1/61	Thp	--	--	--	--	--	--	--	--	--	--	4.7	--	--	--	--	--	--	--	5	-	27	--	--	69
M-1-2	International Paper Co.	9/1/61	Thp	--	--	--	--	--	--	--	--	--	--	5.1	--	--	--	--	--	--	--	7	-	85	--	--	70
M-2-1	Gerald Johnson	9/1/61	Thp	--	--	--	--	--	--	--	--	--	--	3.9	--	--	--	--	--	--	--	5	-	34	--	--	--
M-2-2	E. A. Smith	7/25/61	Thp	--	--	--	--	--	--	--	--	--	--	2.1	--	--	--	--	--	--	--	2	-	37	--	--	69
M-2-3	C. D. Rayborn	9/1/61	Thp	--	--	--	--	--	--	--	--	--	--	5.8	--	--	--	--	--	--	--	1	-	13	--	--	67
M-2-4	C. S. Johnson	9/1/61	Thp	--	--	--	--	--	--	--	--	--	--	2.4	--	--	--	--	--	--	--	6	-	31	--	--	69
M-2-5	C. C. Johnson	9/1/61	Thp	5.3	--	0.15	3.3	1.4	1.5	0.4	18	0	0.8	2.0	0.0	0.6	0.01	0.00	0.30	24	14	0	34	6.7	3	69	
M-2-6	Alonzo Rayborn	9/1/61	Qt	--	--	--	--	--	--	--	--	--	--	4.6	--	--	--	--	--	--	--	5	-	38	--	--	70
M-3-1	Louis Bryant	7/25/61	Thp	--	--	--	--	--	--	--	--	--	--	2.9	--	--	--	--	--	--	--	5	-	27	--	--	68
M-8-2	Gulf Oil Corp.	1/22/61	Thp	7.5	.00	.13	1.5	1.3	4.8	1.1	20	0	.6	2.9	.0	.1	.00	.04	.00	30	9	0	52	6.0	5		
M-9-1	United Gas Pipeline Co.	7/25/61	Thp	31	.00	.07	9.1	.8	47	1.6	137	0	6.8	6.5	.2	.0	.05	.10	.10	188	26	0	254	7.3	0	69	
M-11-2	E. L. Bilbo	9/1/61	Qt	6.2	--	.24	1.4	1.0	2.2	.6	9	0	.4	3.2	.0	2.8	.00	.00	.00	22	8	0	38	6.4	3	70	
M-11-4	H. P. Bilbo	9/1/61	Qt	--	--	--	--	--	--	--	--	--	--	4.2	--	--	--	--	--	--	--	3	-	20	--	--	69
M-12-1	Albert Rayborn	5/24/61	Qt	--	--	--	--	--	--	--	--	--	--	2.5	--	--	--	--	--	--	--	3	-	18	--	--	72
M-17-2	Superior Oil Co.	1/22/61	Thp	9.1	.00	.73	1.6	.5	1.8	.5	6	0	.2	3.0	.1	1.2	.03	.04	.00	21	6	1	26	6.0	5		
N-3-1	G. E. Courtney	9/1/61	Qt	--	--	--	--	--	--	--	--	--	--	2.2	--	--	--	--	--	--	--	3	-	24	--	--	72
N-5-1	O. O. Courtney	5/24/61	Qt	--	--	--	--	--	--	--	--	--	--	2.1	--	--	--	--	--	--	--	40	-	83	--	--	72
N-22-1	H. W. Patch	1/22/62	Qt	8.7	.00	.21	1.5	.8	3.9	1.0	14	0	.4	2.9	.1	.4	.00	.01	.01	27	7	0	47	6.2	10		
O-17-3	D. K. Patterson	1/22/62	Thp	27	.02	1.0	3.1	.5	63	.8	169	0	3.8	3.0	.4	.0	.13	.04	.40	185	10	0	268	7.7	10	70	
O-31-1	Town of Lumberton	9/12/61	Thp	27	--	.00	.0	.0	47	1.6	122	0	1.4	3.0	.2	.6	.10	.00	.58	141	0	0	223	7.6	3	77	
MARION COUNTY, MISSISSIPPI																											
Chemical analyses, in parts per million, August 14, 1961 to January 24, 1962. Analysed by U. S. Geological Survey, Baton Rouge, La.																											
L-2-2	City of Columbia	9/12/61	Thp	21	--	0.50	2.9	2.0	5.0	3.3	19	0	12	2.0	0.0	0.6	0.01	0.00	0.00	51	15	0	60	6.9	3	72	
M-13-2	Genevieve Cameron	1/24/62	Thp	42	0.00	--	11	2.6	9.4	1.8	60	0	.0	8.0	.1	.0	.09	.20	.00	105	38	0	133	6.4	10	68	
P-7-1	Hub School	1/24/62	Thp	12	.01	.06	1.0	.1	55	1.1	140	0	6.6	1.7	.2	.4	.09	.02	.30	148	3	0	236	7.7	10	77	
R-19-2	Earnest Ford	1/24/62	Thp	47	.07	1.5	2.0	.5	18	1.7	44	0	7.6	2.9	.2	.0	.00	.04	.10	102	7	0	106	6.5	20	76

FIGURE 2.
GEOLOGIC SECTION AND PRINCIPLE AQUIFERS, TATUM DOME, LAMAR COUNTY, MISS.
(Southwest to Northeast)