MISSISSIPPI
STATE GEOLOGICAL SURVEY

WILLIAM CLIFFORD MORSE, Ph.D.
Director

BULLETIN 65

GEOLOGY AND ARTESIAN WATER OF THE ALLUVIAL PLAIN IN NORTHWESTERN MISSISSIPPI

by
GLEN FRANCIS BROWN

In cooperation with
United States Geological Survey

UNIVERSITY, MISSISSIPPI
1947

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MISSISSIPPI
STATE GEOLOGICAL SURVEY

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LETTER OF TRANSMITTAL

Office of the Mississippi Geological Survey
University, Mississippi
October 6, 1947

To His Excellency
Governor Fielding Lewis Wright, and
Members of the Geological Commission

Gentlemen:

Herewith is Bulletin 65, Geology and artesian water of the alluvial plain in northwestern Mississippi, by Glen Francis Brown, a report on a study of the ground-water conditions of that area, which was begun in 1938 and which has been continued—through many vicissitudes and interruptions, chief of which was the author's assignment to extended geologic investigations in the Near East—up to the present time. Notwithstanding all difficulties, it represents sustained enthusiastic study through the years.

The report, one of the most voluminous thus far published, covers the Alluvial Plain, the so-called "Delta", the "Great Alluvial Empire"—a 6,600 square mile empire of rich soil, rich subsoil, and rich alluvium nearly 150 feet in average thickness. Consequently, the Report covers an area that had to be investigated chiefly through a study of water and oil prospect well logs and samples. Naturally it has had to be voluminous—but the hundreds of such records, many published for the first time, should prove a veritable storehouse of information to the driller seeking additional water supplies, and to the driller in search of oil as well.

The report reveals beneath the alluvium more than 3,000 feet of sand, silt, clay, shale, and other materials that fill a trough whose axis roughly coincides with the river itself. It further shows that, although the pressure surfaces of the wells have declined as much as 35 feet in some of the sands, the area is receiving water from the northwest, west, and south, as well as from the North Central Hills, the principal recharge area, so that with proper development and conservation future water is assured. It shows, too, that the Meridian and Kosciusko sands have the greatest catchment areas; that almost unlimited industrial quantities of water may be had from those sands directly underlying the river gravels through which, and by which, they are so copiously supplied.

May the report meet the need of those seeking further information concerning their water supply; and may it amply justify their patience in awaiting its appearance.

Very sincerely yours,

William Clifford Morse,
Director and State Geologist

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GEOLOGY AND ARTESIAN WATER OF THE ALLUVIAL PLAIN IN NORTHWESTERN MISSISSIPPI

GLEN FRANCIS BROWN

ABSTRACT

The alluvial plain of the Mississippi River in northwestern Mississippi, about 6,600 square miles in extent, is underlain with an average thickness of 140 feet of river-dropped alluvium. Beneath the alluvium is an interval of 3,500 feet of alternating beds of sand, silt, clay, and shale, and minor beds of limestone, marl, and thin silty iron-carbonate of Eocene and Paleocene age. These Tertiary sediments were deposited in a trough whose axis approximately parallels the Mississippi from Memphis to western Bolivar County where it bends westward into the Desha basin of Arkansas. Thence the axis extends eastward into Mississippi near the Bolivar-Washington County line; thence southeast around the Sharkey platform and its eastward extension, the buried Midnight volcano in southern Humphreys County. Thence southward the axis appears to extend along the edge of the Loess or Bluff Hills, trending into Warren County several miles east of Vicksburg. The trough plunges gently toward the Gulf of Mexico to the latitude of northern Yazoo County, except at the northeast side of the Sharkey platform, where the plunge is to the northwest. In central and southern Yazoo County the plunge steepens sharply southward.

The beds of sand are confined and yield flowing or near-flowing water to about 1,300 artesian wells scattered throughout the plain. All these artesian wells have been drilled since 1896, and they range from 80 to 2,200 feet in depth. On the basis of hydrologic continuity as well as lithologic character, the aquifers are divided into six principal water sources, separated by clayey beds. These sources are, from oldest to youngest, the Wilcox strata, Meridian sand member of the Tallahatta formation (basal Claiborne), the upper Basic City shale member of the Tallahatta, the Winona sand, the Kosciusko sand, and the Cockfield formation. Each aquifer probably originally had a separate pressure system, but the drilling of numerous open-

bottom and multiple-screen or multiple-slotted pipe wells has caused the piezometric surfaces to merge somewhat although contours can be generalized for each aquifer. All the pressure surfaces show marked lowering. The decline is of the order of 35 feet in the Meridian and Winona sands in the eastern part of the plain. The piezometric surfaces show movement of water from the northwest, west, and south as well as from the North Central Hills of Mississippi, which are the most important recharge areas. Because of stratigraphic overlap, the Meridian and Kosciusko sands have the largest recharge areas, but other sands may be utilizing their catchment through subsurface contact.

The waters contain increasing amounts of dissolved mineral salts down dip into the embayment trough. The marine Winona sand is particularly high in sodium bicarbonate, but all the deeper waters are exceedingly soft, because of base-exchange reactions between the hardening ions of the original waters and some of the minerals containing sodium and potassium in the aquifers. The fluoride ion exceeds 1 part per million in many wells; its origin is obscure.

Large water supplies remain beneath the plain for further development, although satisfactory water with sufficient natural pressure for domestic distribution is limited. Proper development will require consideration of recharge from the vast supply of semi-confined water in the river gravels into the subjacent Cockfield and Kosciusko sands of Eocene age. The low, uniform temperature of water in the alluvium (from 63° F. in DeSoto County to 66.5° F. at Vicksburg) makes the water desirable for air-conditioning purposes even though the quality is not suitable for general use without treatment. Heavy industrial pumpage from the sands now containing water under sufficient residual pressure for small domestic and agricultural supplies would reduce the artesian pressure and make it necessary to pump many of the wells.


TENNESSEE
MISSISSIPPI
STATE LINE
DESOTO
TUNICA
COAHOMA
QUITMAN
PANOLA
TATE
MARSHALL
TALLAHATCHIE
LAFAYETTE
YALOBUSHA
CALHOUN
GRENADA
CHICKASAW
WEBSTER
MONTGOMERY
CARROLL
BOLIVAR
SUNFLOWER
LEFLORE
WASHINGTON
HUMPHREYS
HOLMES
SHARKEY
YAZOO
ISSAQUENA
WARREN
HINDS
MADISON
ARKABUTLA RESERVOIR
SARDIS RESERVOIR
ENID RESERVOIR
NEW GRENADA RESERVOIR
Olive Branch
Mt. Pleasant
Taska
Byhalia
Red Banks
HOLLY SPRINGS
Nesbitt
Hernando
Hollywood
Tunica
Evansville
Arkabutla
Coldwater
Independence
Wyatte
Chulahoma
Senatobia
Looxahoma
Tyro
Malone
Potts Camp
Como
Dundee
Crenshaw
Sledge
Lula
Rich
Sardis
Abbeville
College Hill
University
OXFORD
Friars Point
Coahoma
Jonestown
Belen
Marks
Batesville
Courtland
Orwood
Taylor
Gault
DeLay
Tula
Denmark
Paris
Pope
Lyon
CLARKSDALE
Lambert
Crowder
Water Valley
Bobo
Alligator
Duncan
Tutwiler
Sumner
Webb
Rome
Shelby
Gunnison
Lombardy
Fitzhugh
Tippo
Oakland
Yalobusha
CHARLESTON
Tillabota
Scobey
COFFEEVILLE
Bryant
Bruce
Banner
Velma
Pine Valley
Kilmichael
Stewart
Cascilla
Calhoun City
Big Creek
Rosedale
Mound Bayou
Merigold
Beulah
Glendora
Drew
Minter City
Ruleville
Lobdell
Boyle
CLEVELAND
Parsons
Leflore
Tie Plant
Elliott
Cardaretta
Embry
Duck Hill
Avalon
Whaley
Benoit
Scott
Shaw
Lamont
Winterville
Doddsville
Schlater
Sunflower
Ittabena
GREENWOOD
North Carrollton
Carrollton
WINONA
Metcalfe
GREENVILLE
Elizabeth
Leland
INDIANOLA
Moorhead
Inverness
Isola
Arcola
Hollandale
Belzoni
Tchula
Gwin
Lexington
Durant
Ebenezer
Goodman
Pickens
West
Acona
Vaiden
Beatty
Vaughn
Silver City
Louise
Eden
Mayersville
Rolling Fork
YAZOO CITY
Crupp
Anding
Bentonia
CANTON
Flora
Ballground
Redwood
Brownsville
Bovina
VICKSBURG
Edwards
Bolton
Clinton
JACKSON
Raymond
Midnight Volcano
CARY FIELD
PICKENS FIELD
ANDING FIELD
Mississippi River
Arkansas River
Louisiana
Coldwater River
Hurricane Cr.
Arkabutla Creek
Hickahala Cr.
Senatobia Cr.
Tippah River
Yocona River
Tallahatchie River
Little Tallahatchie River
Big Sunflower River
Little Sunflower River
Bayou Burrel
Bayou Phillip
Big Black River
Little Black Creek
Deer Creek
Steele Bayou
Bear Creek
Harland Creek
Petacocowa Cr.
Big Sandy Cr.
Ralusha Cr.
Chitto Cr.
Tillatoba Cr.
Cypress Cr.
Panther Creek
Lake George
Bogue Chitto
Pearl River
Yalobusha River
Big Black River
Sunflower River
Quiver River
Tallahatchie River
Yazoo River
Coldwater R
Moon L
Burrel B
Black B
Big Sunflower
Little Sunflower
Straight B
Otter B
Indian B
Mound B
Bear Creek
Big Sandy Creek
Atriacha Creek
Priney Creek
Black Hawk Creek
Lexington Creek
Durant Creek
Tippo Creek
Phillip B
Big Creek
Sidon
Tallahatchie
Yalobusha
Big Black
Little Black
Deer Creek
Steele Bayou
Bear Creek
Chitto Cr.
Pearl River
Big Black
Little Black
Cypress Cr.
Big Creek
Stewart
Kilmichael
Velma
Pine Valley
Bruce
Tippah
Denmark
Taylor
Gault
DeLay
Tula
Paris
Water Valley
Banner
Orwood
Courtland
Batesville
Tallahatchie
Yalobusha
Big Sandy
Ralusha Cr.
Petacocowa Cr.
Harland Cr.
Big Black
Little Black
Deer

NORTHWESTERN MISSISSIPPI

STRUCTURE MAP

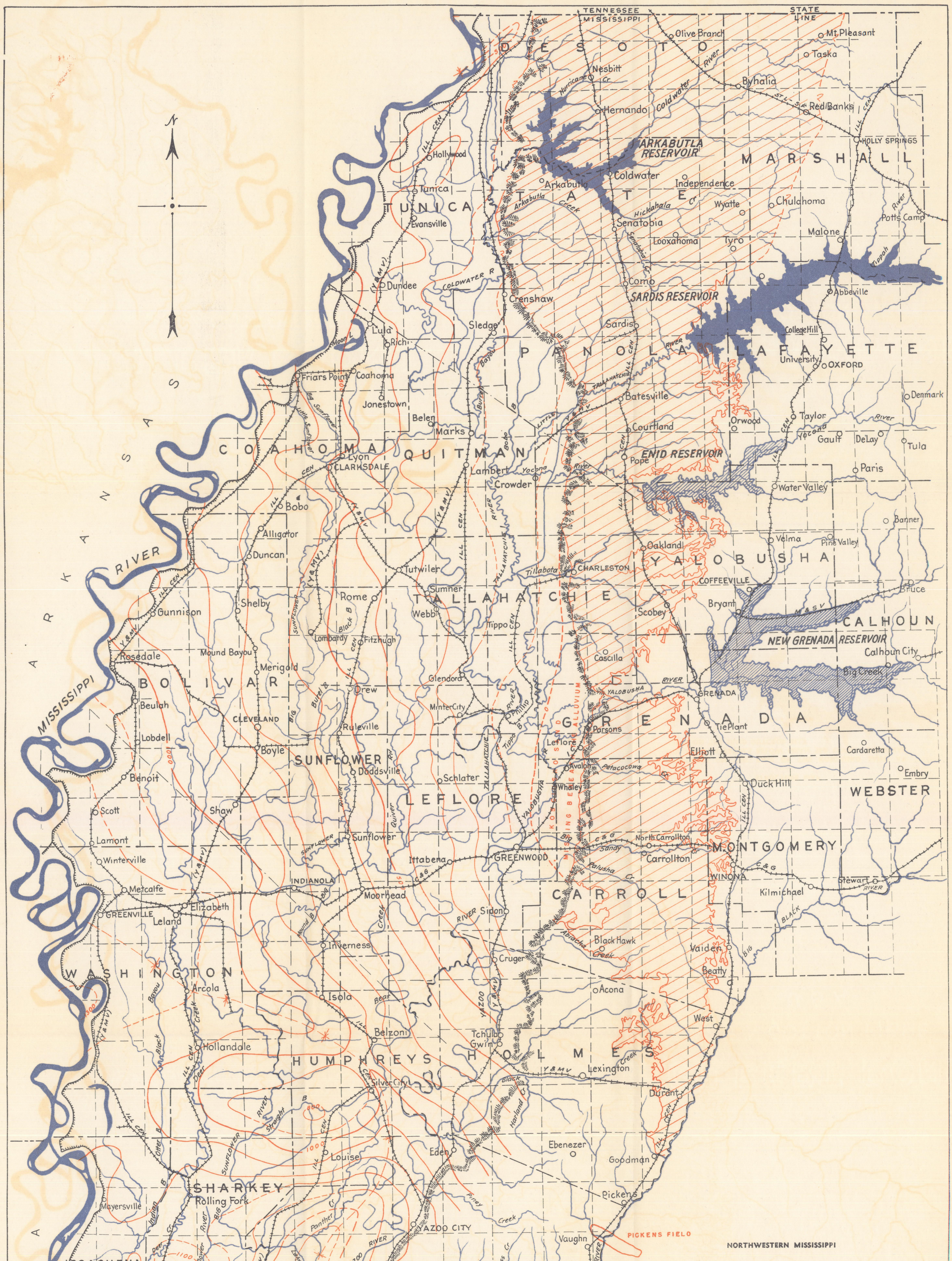
CONTOURS ON THE BASE OF THE MERIDIAN SAND AT 100-FOOT INTERVALS ABOVE AND BELOW MEAN SEA LEVEL

BY
GLEN F. BROWN

SCALE 1:500,000

LEVEE REPRESENTED BY A HACHURE LINE
WEST EDGE OF LOESS OR BLUFF HILLS BY HACHURES

BASE BY W. D. TURNBULL



STRUCTURE MAP

CONTOURS ON THE BASE OF THE KOSCIUSKO SAND AT 100-FOOT INTERVALS BELOW MEAN SEA LEVEL. DIAGONAL LINES ON THE SAND OUTCROP BELT

BY
GLEN F. BROWN

SCALE 1:500,000

LEVEE REPRESENTED BY A HACHURE LINE
WEST EDGE OF LOESS OR BLUFF HILLS BY HACHURES

BASE BY W. D. TURNBULL

INTRODUCTION

LOCATION AND GENERAL DESCRIPTION

The part of the Mississippi River alluvial plain within the State of Mississippi is nearly all confined to a lens-shaped area in the northwestern part of the state (Figure 1). Although this area is known locally as the Yazoo or Mississippi "delta," it is in reality a

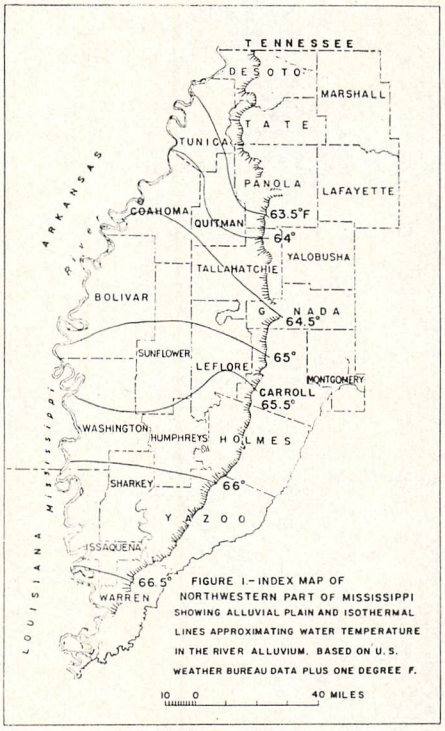


FIGURE 1—INDEX MAP OF NORTHWESTERN PART OF MISSISSIPPI SHOWING ALLUVIAL PLAIN AND ISOTHERMAL LINES APPROXIMATING WATER TEMPERATURE IN THE RIVER ALLUVIUM. BASED ON U. S. WEATHER BUREAU DATA PLUS ONE DEGREE F.

broad depositional plain characteristic of flood plains along the lower and middle courses of large rivers. The Loess or Bluff Hills, a rugged and distinctive physiographic district, bound the plain on the east. The western limit of the area described in this report is the Mississippi River, although the alluvial plain extends westward beyond the Mississippi into Louisiana and Arkansas.

Memphis, Tennessee, a port 10 miles north of the Mississippi State line, stands on the Loess or Bluff Hills. South from Memphis the Loess Hills trend southeast whereas the river flows southwest, and the alluvial plain widens in Mississippi to a maximum of 60 miles at the latitude of Greenwood and Greenville.

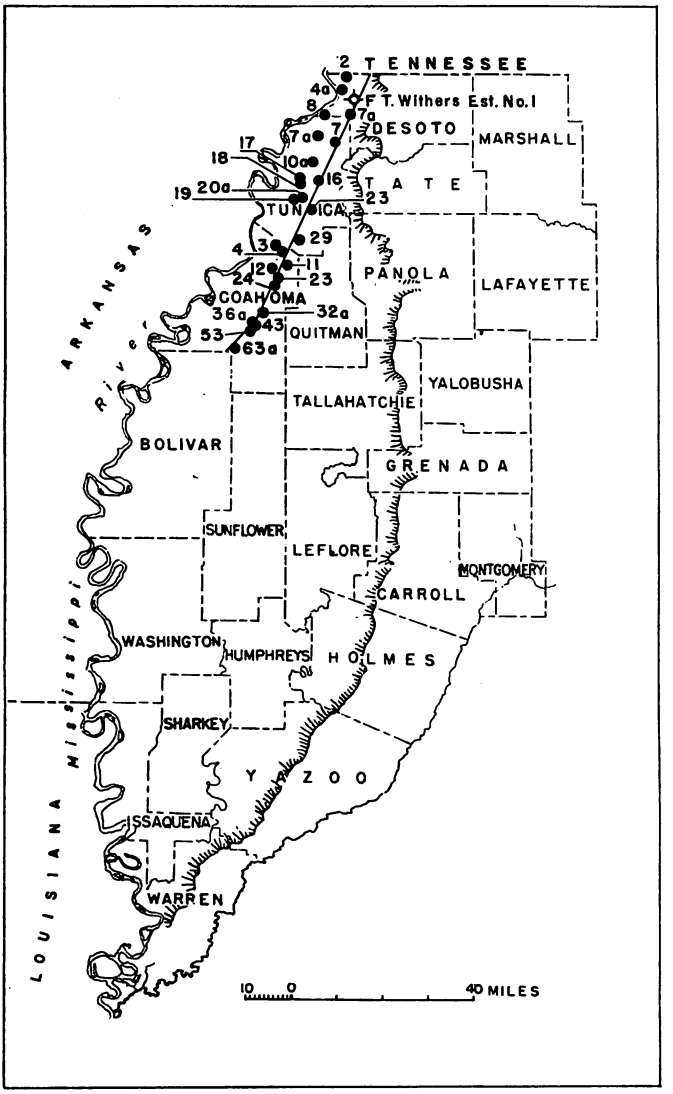
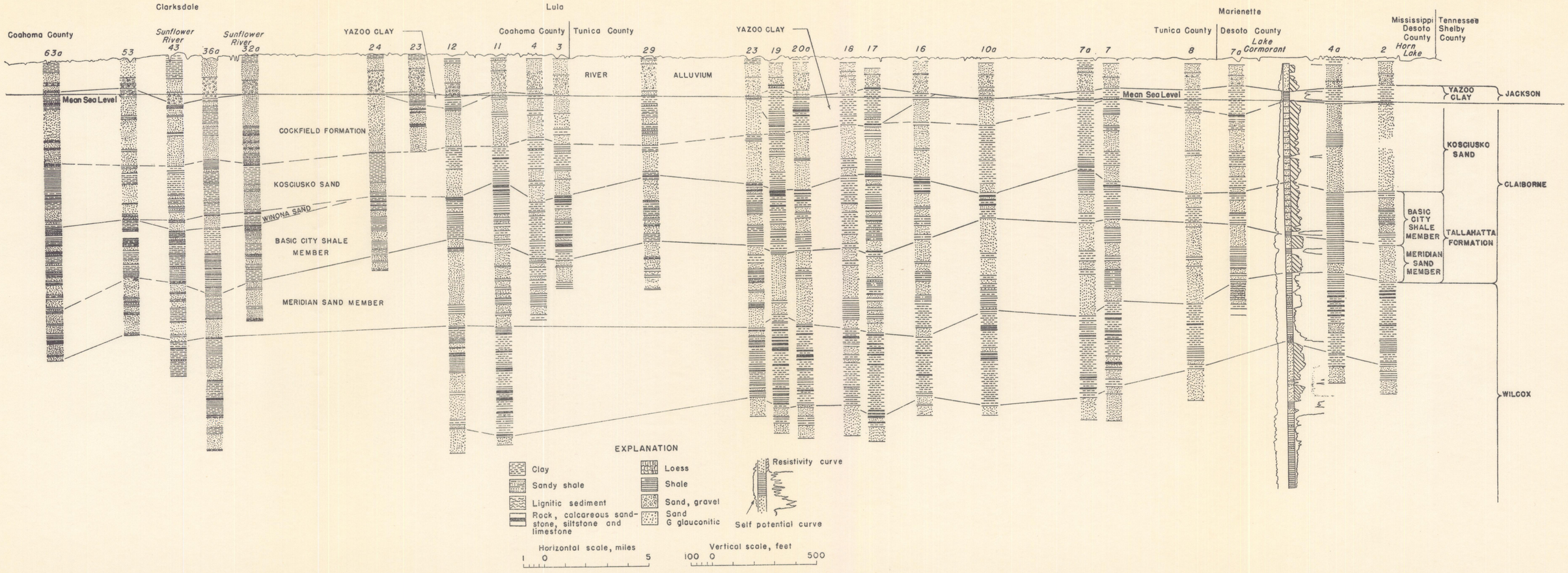


Plate 4.—Index map and geologic cross-section from the Tennessee State line to a point on the northern boundary of Bolivar County.

MISSISSIPPI STATE GEOLOGICAL SURVEY
WILLIAM CLIFFORD MORSE, DIRECTOR

BULLETIN 65
PLATE 4



Union Producing Co.
F. T. Withers Est. No. 1

From Greenville, on its east bank, the Mississippi River flows southeast; from Greenwood, at the eastern edge of the alluvial plain, the Loess Hills trend southwest to Vicksburg, which is on the Loess Hills, and which overlooks the river in a situation similar to that at Memphis, 190 miles to the north.

So delimited, the alluvial plain includes about 6,600 square miles, exclusive of the narrower connected flood plains and second bottoms of tributaries that flow into the alluvial valley from the east. The soil is exceedingly fertile, a few large plantations having been cultivated for many years along the higher ground adjacent to the Mississippi River and adjacent to a few of the larger streams. Cultivation of the lower more extensive land was retarded because of the swampy nature of the terrain and because of frequent floods. However, the first set of protective levees along the east bank of the Mississippi River, completed in 1886, and the first flowing water well, drilled at Greenwood 9 years later, greatly facilitated settlement. Agricultural expansion has been rapid since. Flowing water has been found in every community and, because the natural hydraulic pressure has been sufficient to supply flowing water to most farms and smaller communities without pumping, about 1,300 deep water wells have been drilled.

PREVIOUS INVESTIGATIONS

The first described borings into the subsurface of the alluvial plain were made by Army engineers in 1877-79 and by the Mississippi River Commission in 1881.[1] The data and cuttings collected were studied by Hilgard and Hopkins and the results of their studies were published in 1883.[2]

Hilgard's earlier report[3] on the geology and agriculture of Mississippi had outlined the stratigraphy. His conception of the geology of the embayment in 1860 was, with few exceptions, much the same as is accepted generally today, and his work has furnished the basis for the more recent intensive studies.

A description of ground-water conditions in the plain was published by Johnson and Eckel[4] in 1904, and was followed by a report by Johnson,[5] who mentions numerous deep wells in the alluvial plain. Then a more comprehensive report by Johnson and Crider[6] followed a year later.

Little was known about the changing conditions of ground-water supply and the geology of the Mississippi alluvial plain until the

work of Stephenson and others was published in 1928 as U. S. Geological Survey Water-Supply Paper 576, The ground-water resources of Mississippi. That comprehensive report has been used freely during the preparation of the present report.

PRESENT INVESTIGATION

The present investigation was started in 1938 after planters in some areas noticed that the natural artesian pressure had declined until it no longer forced water through their homes in a satisfactory manner, and after interests desirous of locating industries in the state requested more information regarding water supplies. The work has been under the supervision of V. T. Stringfield and O. E. Meinzer and is the result of a cooperative agreement between the Federal Geological Survey and the Mississippi State Geological Survey.

ACKNOWLEDGMENTS

E. W. Reed assisted with the field work during the winter of 1938-39, and Harlan R. Bergquist identified foraminifera from well cuttings. Water-well drillers within the area generously supplied driller's logs and samples of cuttings (Table 30); the various oil companies made available electrical logs, samples, and driller's logs; and the Mississippi Agricultural and Industrial Board, and the State Geological Survey furnished additional valuable information. James Littleton, Miss Dale, and Thomas Henderson prepared most of the illustrations. The base map of Plates 1, 2, 3, 12, and 13 by Dean W. D. Turnbull is after the U. S. Army Engineers. The surface contact of the "Base of the Meridian Sand Member" (Plate 2) and the outcrop belt of the Kosciusko sand (Plate 3) are both after the Mississippi Geological Society map of 1945.

GEOMORPHOLOGY

REGIONAL FEATURES

The Yazoo Basin lies within a northward extension of the Gulf Coastal Plain that is generally known as the Mississippi embayment. The embayment is essentially a trough plunging gently towards the Gulf and extending from its apex near Cairo, Illinois, to and beyond New Orleans, Louisiana. The axis of the trough approximately parallels the Mississippi River.

Within the embayment the strike of the sediments varies from the east-west trend of the Gulf Coast to a north-south trend, so that the steep slopes of long multiple cuestas or ridges face east or north-

east in northern Mississippi and the longer gentle slopes dip toward the embayment axis.

The regional picture of a series of cuestas rimming the embayment is obscured near its axis because large streams have removed the sediments there and have deposited a thick alluvial cover; and also because adjacent uplands are blanketed with a thick cover of loess whose depositional surface opposes the dip slopes of the cuestas.

ALLUVIAL PLAIN

The alluvial plain is a nearly flat expanse of farm land crossed by natural levees along old stream channels. The pattern of numerous creeks, bayous, lakes, swamps, and drainage ditches is controlled by the natural levees. The lower swampy land, considerable portions of which are uncultivated, is of two kinds: swamps in partly filled bayous or lakes, generally known as brakes, and more extensive flats farthest from the natural levees—characteristic backwater areas. The brakes generally contain water in some part throughout the year except, perhaps, in late summer or fall; they are usually the last parts of the plain to be cleared. The second type of swampy land, that farthest from natural levees, is flooded at less frequent intervals. Formerly such areas were partly drained through natural channels into the Yazoo River system. In recent years much of this type of land has been cleared and is drained by means of ditches.

The Mississippi alluvial plain slopes uniformly from an altitude of 210 feet above the sea at the Tennessee State line to 85 feet near Vicksburg, in contrast to the nearly level east-west profiles (Figure 2), whose direction of slope depends on the natural levees or on the alluvial fans near the foot of the Loess Hills. Wherever a stream debouches onto the plain from the hills, alluvial fans have been built and, along the larger streams, extensive terraces. The rate of growth of the fans and terraces seems to be exceedingly rapid, according to Happ, Rittenhouse, and Dobson,[7] and the planters who cultivate land in these areas.

Another type of terrain is formed locally by rapid deposition near a levee break during flood. Such an irregular-surfaced sand waste covering an area of 8 square miles may be seen 10 miles north of Greenville in Bolivar County, where the levee broke during the flood of 1927. According to Russell[8] "crevasse deposits are characterized by tongues or bars of very fine sand and coarse silt which 'tail out' from the lee side of obstruction."

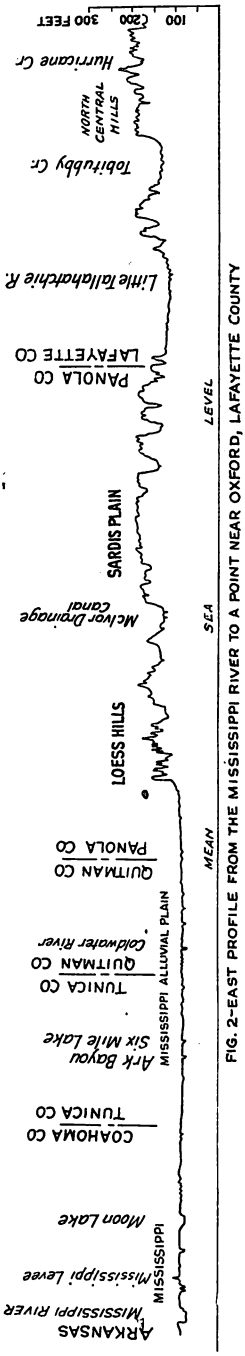


FIG. 2—EAST PROFILE FROM THE MISSISSIPPI RIVER TO A POINT NEAR OXFORD, LAFAYETTE COUNTY

NORTH CENTRAL HILLS

The North Central Hills (or Plateau) of Mississippi is a rugged strip of the Red Hills coastal plain belt which extends south and east from the Tennessee State line to and beyond the Alabama line. Here sediments of the Wilcox and Claiborne divisions of the Eocene crop out in a dissected upland, that is believed to be the catchment or recharge area for a large part of the artesian water supply within the Yazoo "delta."

Although the upland is dissected and well drained, the crests of the hills are flat and represent at least two peneplains. The higher peneplain, which exceeds an elevation of 600 feet within the area, forms the crests of such monadnock hills as Thackers Mountain, 5 miles southwest of Oxford. Thackers Mountain and similar isolated remnants have been correlated with the Highland Rim peneplain.[9]

A lower and more extensive as well as more nearly concordant surface forms the crests of the divides. The nearly even skyline of this surface attains an altitude of 600 feet above the sea on the northeastern front of the upland, where it is about 300 feet above the flood plains of the larger streams that flow southwest into the Yazoo system. Near the western edge of the North Central Hills in Panola County the surface is approximately 500 feet above the sea, so that the gradient to the west is 3 feet per mile.

In the northern and northwestern parts of the Oxford quadrangle most divides rise to a concordant level of about 400 feet. Shaw[10] has interpreted such levels as incipient peneplains produced by an erosion cycle of the nearby stream, here the Little Tallahatchie River (Figure 2).

At still lower altitudes numerous benches and shoulders suggest temporary periods of planation during the most recent large erosion cycle, and now depositional surfaces are being formed in the upper valleys of tributaries where alluvium (containing much sand) is being deposited in large quantities. The sedimentation apparently is greatly accelerated by removal of the original vegetative cover and the cultivation of slopes.[11]

THE LOESS OR BLUFF HILLS

The Loess or Bluff Hills form the western border of the Mississippi upland and separate the flood plain of the Mississippi River from the North Central Hills. Calcareous loess (wind-blown silt) of Pleistocene age caps the bluffs in thicknesses of 25 to 100 feet within

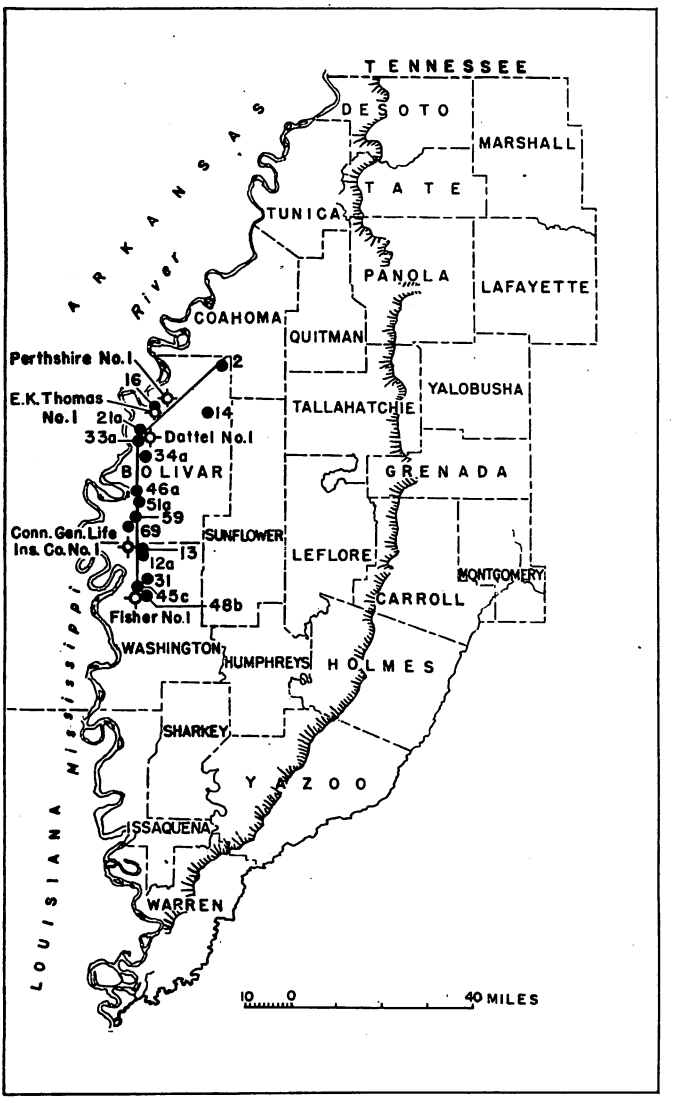
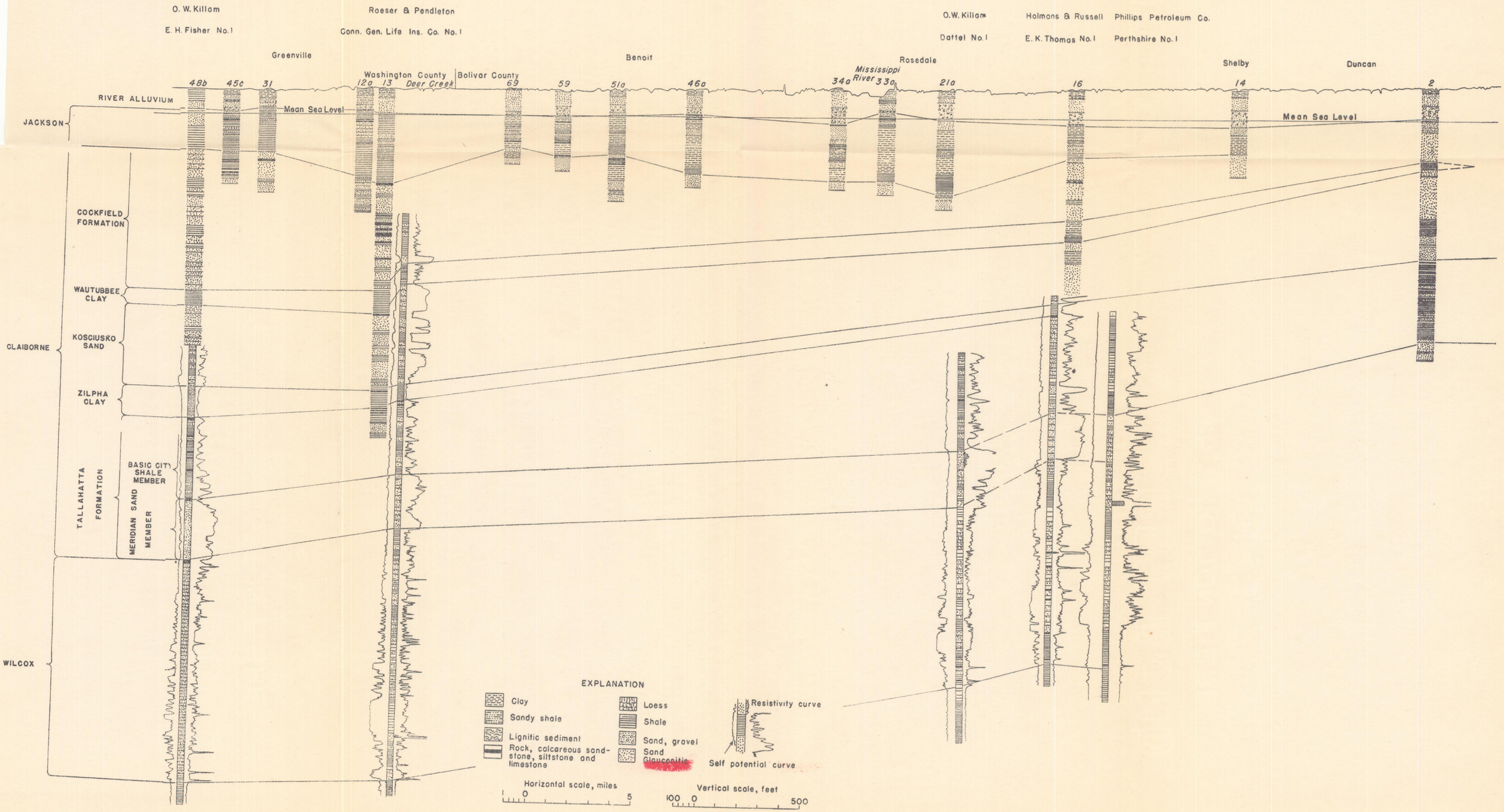


Plate 5.—Index map and geologic cross-section from a point on the northern boundary of Bolivar County to a point near Greenville.

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PLATE 5



a belt 5 to 15 miles wide. Where streams have cut into the hillsides, the valleys and gulches are steep and youthful; and in many places the loess forms vertical and picturesque walls, because it does not slump and creep. Eastward the cover of loess thins until only the oxidized and leached upper few feet remain as brown loam (loess loam). Discontinuous beds of sand and gravel of Pleistocene age crop out beneath the loess. Exposures indicate thinning to the east, seemingly at a greater rate than the thinning of the loess. Underneath the gravels are Oligocene and Eocene sediments whose uppermost beds in many places lie as much as 150 feet above the level of the land in the flood plain to the west.

In northern Mississippi the crests of the Bluff Hills extend to a concordant level which is essentially a depositional plain or terrace, whose position is possibly modified somewhat by erosion. Near Sardis and elsewhere on the tops of the hills are several undrained natural depressions, adding to the youthful appearance of the terrain. The altitude of the Sardis terrace or depositional plain at Sardis, Mississippi, the type locality of Shaw,[12] is 370 feet above the sea. Here and particularly in an area (T.7 S., R.8 W.) some 6 miles west of Sardis, the plain is the least dissected part of a surface underlain by loess and gravel and is concordant with crests of hills to the north and to the south. For this reason the crest line of the Bluff Hills is here referred to as the Sardis plain or terrace; and, although there is much local variation in altitude, there is a widespread uniformity to the terrace, as revealed by the study of the topographic maps. The surface slopes north from Sardis to the vicinity of the Tennessee State line, where the altitude of the higher crests is 340 feet in the eastern part of the belt. This is a northward inclination of 1 foot to the mile. It should be noted, however, that between Memphis and the Coldwater River a considerable part of the Bluff Hills belt lies between 300 and 320 feet above Gulf level and may represent a younger terrace. South from Sardis the surface altitude increases until it is 400 feet near Cascilla, in Tallahatchie County, a slope of 8½ inches to the mile. South from this point the crests decline, at least as far as the latitude of Greenwood, Mississippi, where the general upland level is about 335 feet above the sea. Topographic maps are lacking for the hill section between Greenwood and the Vicksburg quadrangle, but the few elevations available suggest that the surface is concordant with the crests of hills at Vicksburg which are 325-350 feet above the sea, except for a slightly higher area east of Yazoo City. Cross-profiles of the Bluff Hills show that, except for some

recent lowering, especially in the northern part, the terrace is nearly level or slightly inclined to the east until it merges with the west-sloping erosional surfaces of the North Central Hills.

The alluvial plain west of the Bluff Hills escarpment slopes south from Memphis to Vicksburg at a remarkably uniform rate of 8 inches to the mile; for this reason changes in the height of the escarpment reflect the undulations of the Sardis terrace if it is remembered that the bluffs are promontories and if some allowance for recent erosion is made. The escarpment is 230 feet above the plain at Vicksburg, 250 feet at Yazoo City, and 250 feet in southern Tallahatchie County. In contrast, from southern Tallahatchie County to Memphis the bluffs gradually decrease in height, and at the Tennessee State line they are but 95 feet above the plain.

DRAINAGE

STREAMS

Although the alluvial plain was frequently flooded by the Mississippi River before artificial levees were built, the Yazoo "delta" is now nearly all drained by the Yazoo River and its tributaries. The trunk stream, which flows at the eastern edge of the alluvial plain, is known from north to south as the Coldwater River, the Tallahatchie River, and the Yazoo River. This system drains the North Central Hills, the Bluff or Loess Hills, and the Yazoo "delta." The major tributaries draining the plain between the Yazoo-Tallahatchie-Coldwater channel and the Mississippi are the Sunflower River, whose largest tributary is Deer Creek, and the Steele Bayou channel. These natural drainageways originate near the Mississippi River, with which they were formerly connected at elevations 10 to 15 feet below the banks of the river. They flow south and into the Yazoo River near its confluence with the Mississippi at Vicksburg; and the areas which they drain have been extended westward to the system of levees along the Mississippi River, thus artificially capturing numerous short streams that formerly flowed west into the Mississippi.[18]

BAYOUS

Bayous, or long meandering inlets of nearly stagnant water, are characteristic of the alluvial plain. In the past they served as channelways during flood stages in the Mississippi River and during periods of excessive rainfall in the North Central Hills. Black Bayou in Washington County and Cassidy Bayou in Tallahatchie and Quit-

man Counties are typical, but there are many more of equal importance.

Since completion of the Mississippi River levees the bayous have served mostly as drainage channels for backwater and overflow of the Yazoo-Tallahatchie system. The high natural levees resulting from deposition of silt during former floods have made the land adjacent to the bayous favorable for cultivation both because of the higher elevation (flood safety) and because the soil is somewhat more porous and drains more easily than land at some distance from

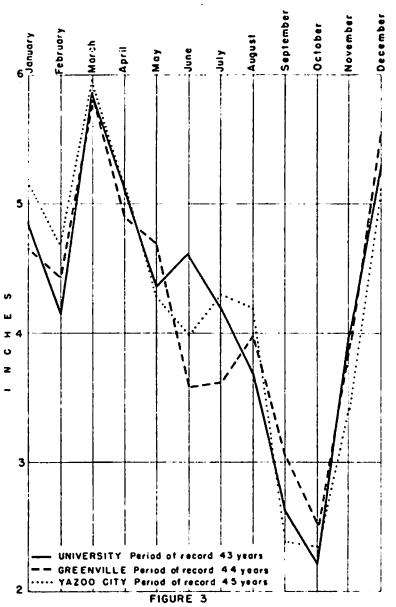


FIGURE 3
AVERAGE MONTHLY RAINFALL
FOR THREE STATIONS IN NORTHWEST MISSISSIPPI

the old channelways. Some of the channels of former bayous are now partly filled and are cultivated, but their greater importance lies in the fact that in the past they have served as a means of transportation and have controlled the agricultural development and indirectly the location of villages and towns.

LAKES

Oxbow lakes, representing former channels of the Mississippi River, include, from south to north and inside the present levee, Eagle Lake, Lake Washington, Lake Bolivar, Moon Lake, and Horn Lake. Relatively small areas drain into them because natural levees

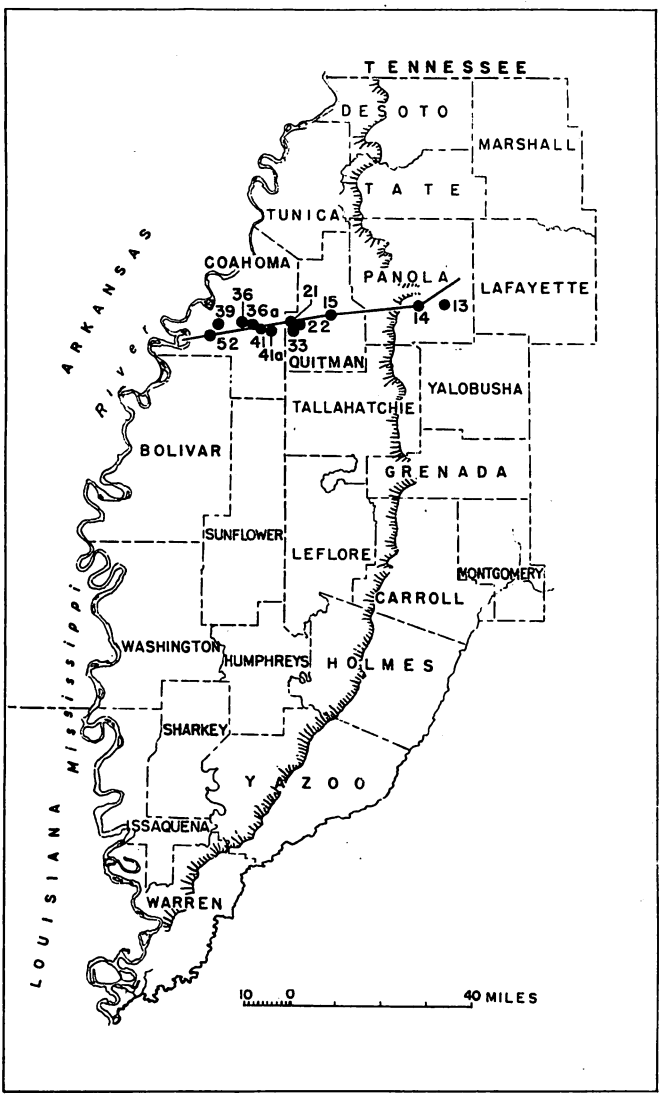
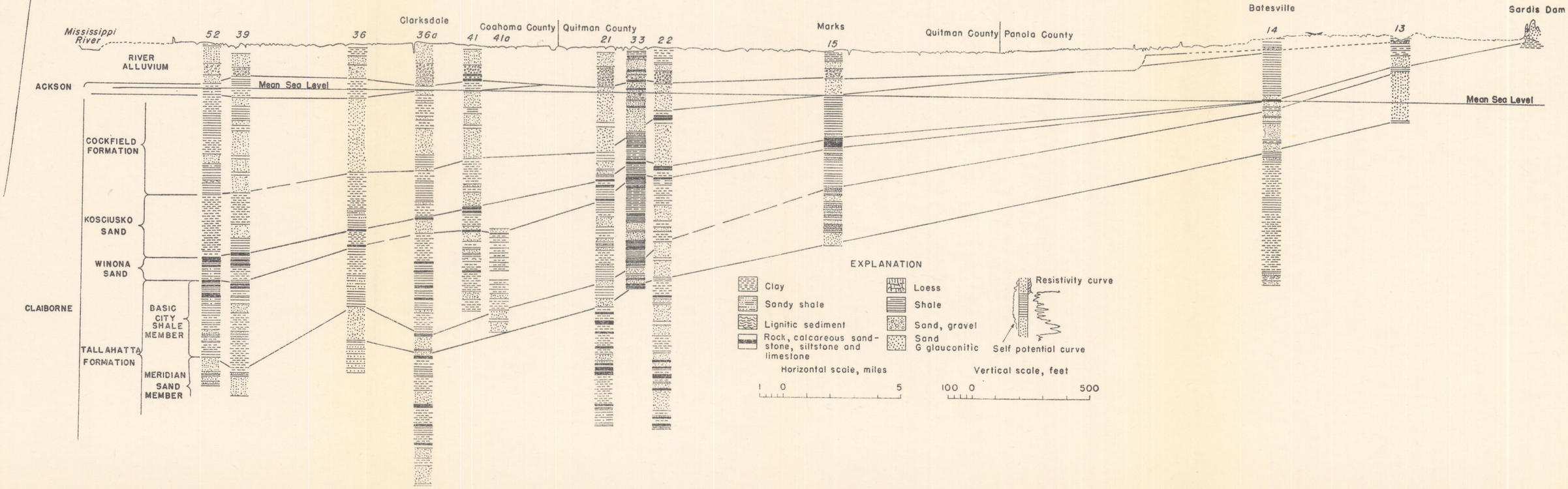


Plate 6.—Index map and geologic cross-section from Sardis to the Mississippi River west of Clarksdale.

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PLATE 6



formed during the time the Mississippi overflowed their banks are always near their present banks.

Similar oxbow lakes that are abandoned channels of the Yazoo-Tallahatchie-Coldwater system include Swan, Alcorn, and Six Mile Lakes in Coahoma and Tunica Counties; Grassy Lake and Swan Lake in Tallahatchie County; and Mossy Lake, Sky Lake, and Six Mile Lake in Leflore and Humphreys Counties. These lakes do not characteristically present the broad expanse of open water typical of the lakes near the Mississippi River but rather resemble bayous; indeed, the names bayous and lakes are used synonymously. Other lakes and swamps on the plain are original undrained depressions.

TABLE 1

MEAN, ABSOLUTE MAXIMUM, AND ABSOLUTE MINIMUM PRECIPITATION IN NORTHWESTERN MISSISSIPPI (U. S. WEATHER BUREAU)

Weather Station	Duration (yrs.)	Mean (ins.)	Maximum Inches	Maximum Year	Minimum Inches	Minimum Year
North Central Hills						
Batesville	57	51.51	71.30	1932	32.38	1918
Duck Hill	42	53.49	76.90	1932	32.88	1904
Grenada	33	50.02	73.99	1932	37.32	1938
Hernando	56	47.69	59.95	1919	31.78	1924
Holly Springs	57	52.49	70.80	1890	38.42	1910
Kosciusko	51	52.48	73.70	1891	35.50	1936
Pontotoc	52	48.29	80.41	1932	34.42	1928
State College	53	52.83	76.27	1912	31.91	1904
Tupelo	42	51.42	75.95	1932	40.62	1898
University	45	53.30	73.75	1932	39.76	1936
Water Valley	55	56.91	72.74	1923	39.43	1889
Mississippi Alluvial Plain						
Clarksdale	36	49.04	65.72	1923	33.63	1936
Cleveland	29	50.24	65.73	1937	24.46	1922
Greenville	54	51.92	76.66	1923	32.32	1896
Greenwood	42	53.68	74.18	1932	38.55	1936
Holly Bluff	34	52.20	75.85	1923	35.38	1924
Moorhead	28	50.37	74.51	1919	31.18	1936
Scott	23	48.36	69.65	1923	32.93	1924
Stoneville	26	48.82	64.56	1932	30.54	1924
Swan Lake	36	52.51	78.78	1932	38.15	1936
Vicksburg	69	52.07	84.22	1880	31.20	1924
Yazoo City	55	52.33	71.85	1923	25.97	1936

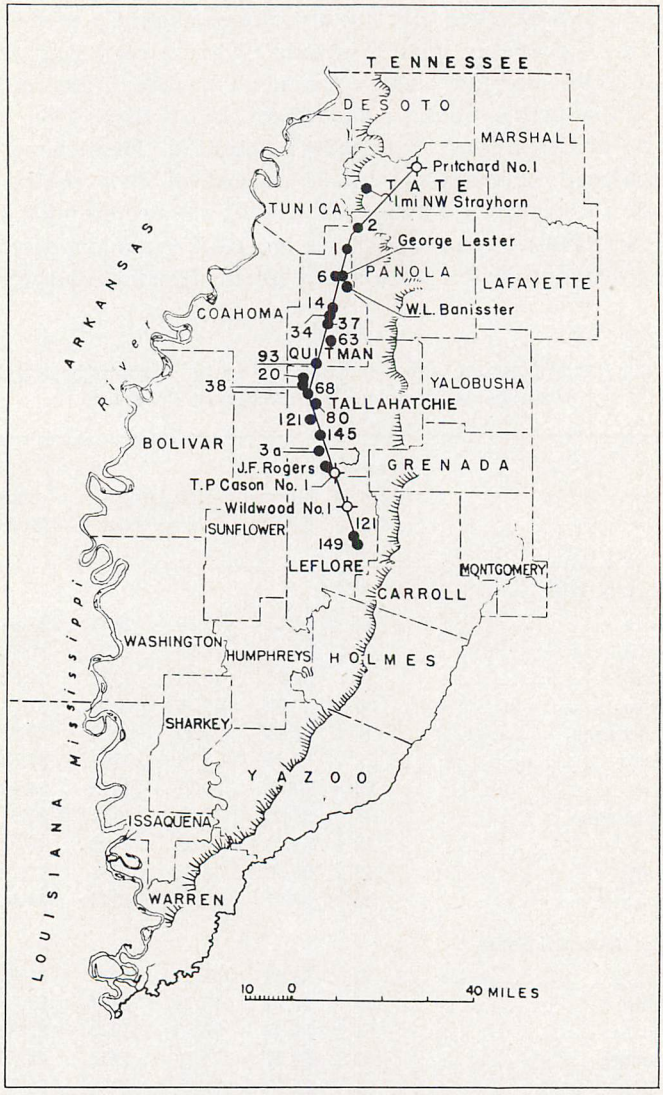
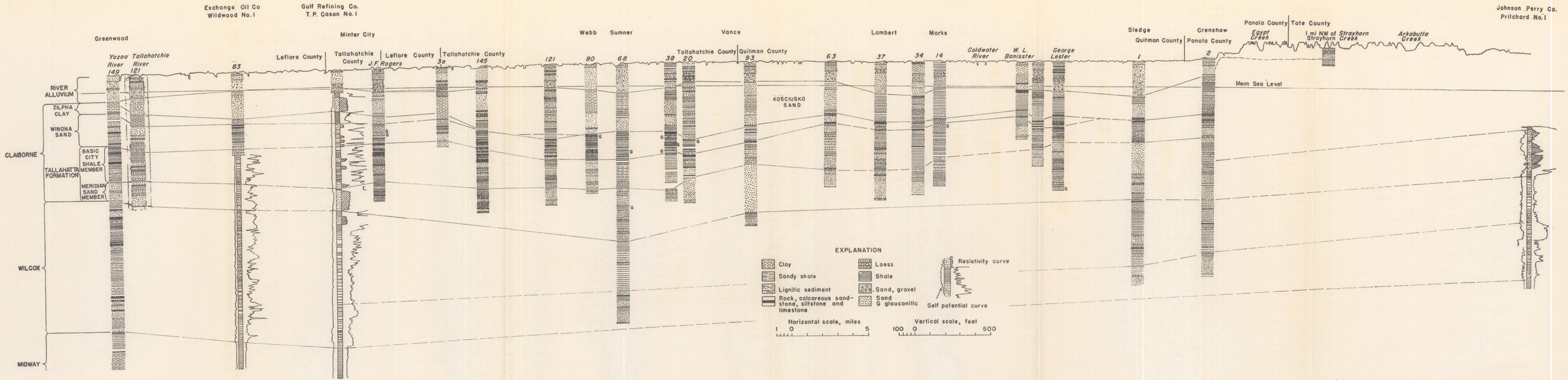


Plate 7.—Index map and geologic cross-section from a point near Coldwater to Greenwood.


Exchange Oil Co
Wildwood No. 1
Gulf Refining Co.
T. P. Cason No. 1
Johnson Perry Co.
Pritchard No. 1
Greenwood
Minter City
Webb
Sumner
Vance
Lambert
Marks
Sledge
Crenshaw
Panola County
Tate County
Quitman County
Leflore County
Tallahatchie County
Yazoo River
Tallahatchie River
J.F. Rogers
Coldwater River
W. L. Banister
George Lester
Egypt Creek
1 mi NW of Strayhorn
Strayhorn Creek
Arkabutla Creek
149
121
83
3a
145
121
80
68
38
20
93
63
37
34
14
1
2
RIVER ALLUVIUM
ZILPHA CLAY
WINONA SAND
CLAIBORNE
TALLAHATTA FORMATION
BASIC CITY SHALE MEMBER
MERIDIAN SAND MEMBER
WILCOX
MIDWAY
KOSCIUSKO SAND
Mean Sea Level
EXPLANATION
Clay
Sandy shale
Lignitic sediment
Rock, calcareous sandstone, siltstone and limestone
Loess
Shale
Sand, gravel
Sand
G glauconitic
Resistivity curve
Self potential curve
Horizontal scale, miles
1 0 5
Vertical scale, feet
100 0 500

CLIMATE

The rainfall is that of a humid climate, averaging 51.63 inches per year for 20 stations in northwestern Mississippi (Table 1). Yearly distribution is predominantly of the Tennessee type, there being a single maximum in late winter or early spring and a well-marked minimum in late autumn, usually during October (Figure 3). In some years, as in 1940, there is a second maximum in midsummer which is characteristic of north Gulf Coast rainfall or the humid subtropical type.

The winters are short and mild and the growing season is normally about 222 days. January is the coldest month, averaging 45.5° F. for 16 stations in the area; July is the warmest month, averaging 81.3° F. at the same stations. The date for the last killing frost in the spring averages March 25, and the date for the first killing frost in autumn averages November 2. Snowfall is infrequent and snow seldom remains on the land more than a few days, nor does the ground remain frozen for long periods. More than half the days are clear at Memphis and Vicksburg.

VEGETATION

The alluvial plain was formerly covered with a dense hardwood forest, much of which has been cut over. Such trees as oak, sycamore, ash, pecan, and magnolia are common on the higher sandy soils near former channelways; cypress, willow, cottonwood, and several varieties of gum are more characteristic of the lower swamps and bayous. Locally the undergrowth is cane and palmetto palm. The lower areas of the plain that are exposed to overflow have been only partly cleared—U. S. Army Engineers estimate that 77 percent of the area inundated by backwater in the 1929 flood was uncleared.[14]

In the northern and western parts of the plain large areas are under cultivation. The most important crop is cotton, but soy beans, corn, oats, clover, and alfalfa are also produced.

The North Central Hills recharge area is mostly cut-over timber land, much of which is cultivated. The grazing lands support sparse growths of oak and other hardwood in addition to short-leaf yellow pine and field pine.[15]

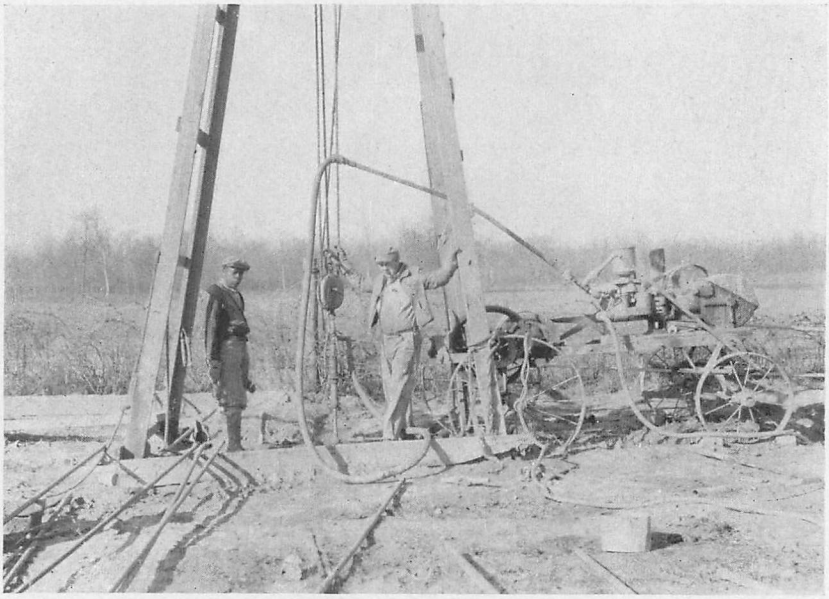


Figure 4.—A type of small rig which has been used to drill numerous wells in the eastern part of the alluvial plain.



Figure 5.—A water-well rig of sufficient size to develop fresh water for large municipal or industrial use.

DEVELOPMENT OF WATER SUPPLY

The first artesian well in the flood plain was drilled at Greenwood, Leflore County, by C. E. Wright in 1896.[16] This was 50 years after Dr. Eugene Hilgard,[17] then State Geologist of Mississippi, had written that "It seems possible that artesian wells might be obtained, not only on the whole of the territory of the Northern Lignitic, but even in the Mississippi Bottom itself," and 10 years after the discovery of flowing water at Memphis, Tennessee. The practice of jet-drilling spread rapidly until in 1904 there were more than 50 deep wells in the "delta" counties.

The water comes almost exclusively from wells of the small-bore types, put down by rotary or jetting methods (Figures 4, 5). In the eastern part of the plain many such wells are left uncased near the bottom, so that waters from more than one bed of sand mingle, and the pressure is a composite of the originally different hydrostatic pressures. Perhaps most of the wells are finished with slotted pipe, several joints being perforated at different levels, resulting in much the same conditions as those in the open-bottom wells. Many wells, increasingly plentiful, are equipped with screens opposite the water-bearing sands, and several are of modified gravel-wall construction, in which pea gravel is inserted between slotted pipes, one inside the other, before insertion in the well.

The early wells were shallow, but as the drilling technique improved and hydrostatic pressures in the shallower sands declined, deeper water-bearing beds having higher pressure were developed (Figure 6). Such exploration has now reached the bottom of potable water and the trend is towards the shallower sands which require pumping for large supplies (Figure 7).

During the golden age of artesian pressure, the force of the water was used for many purposes, even to actuate fans for cooling the plantation homes. At many of these wells there is now insufficient pressure to force water through hot-water tanks. Extended pipe lines with outlets for tenants and stock were and still are common, and frequently several houses are connected to one well. As the pressure declines a booster pump is installed.

The larger supplies for towns and industrial uses are obtained from wells 4 inches or more in diameter that are, without exception, completed with screens or gravel walls. Many towns have wells

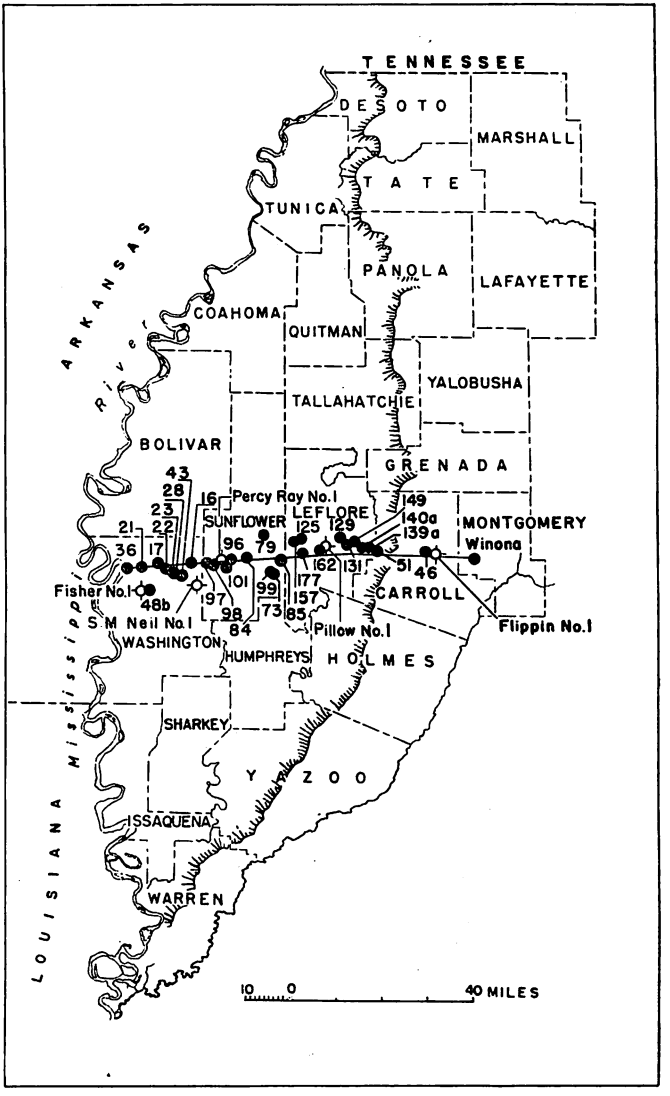


Plate 8.—Index map and geologic cross-section from Winona to Greenville.

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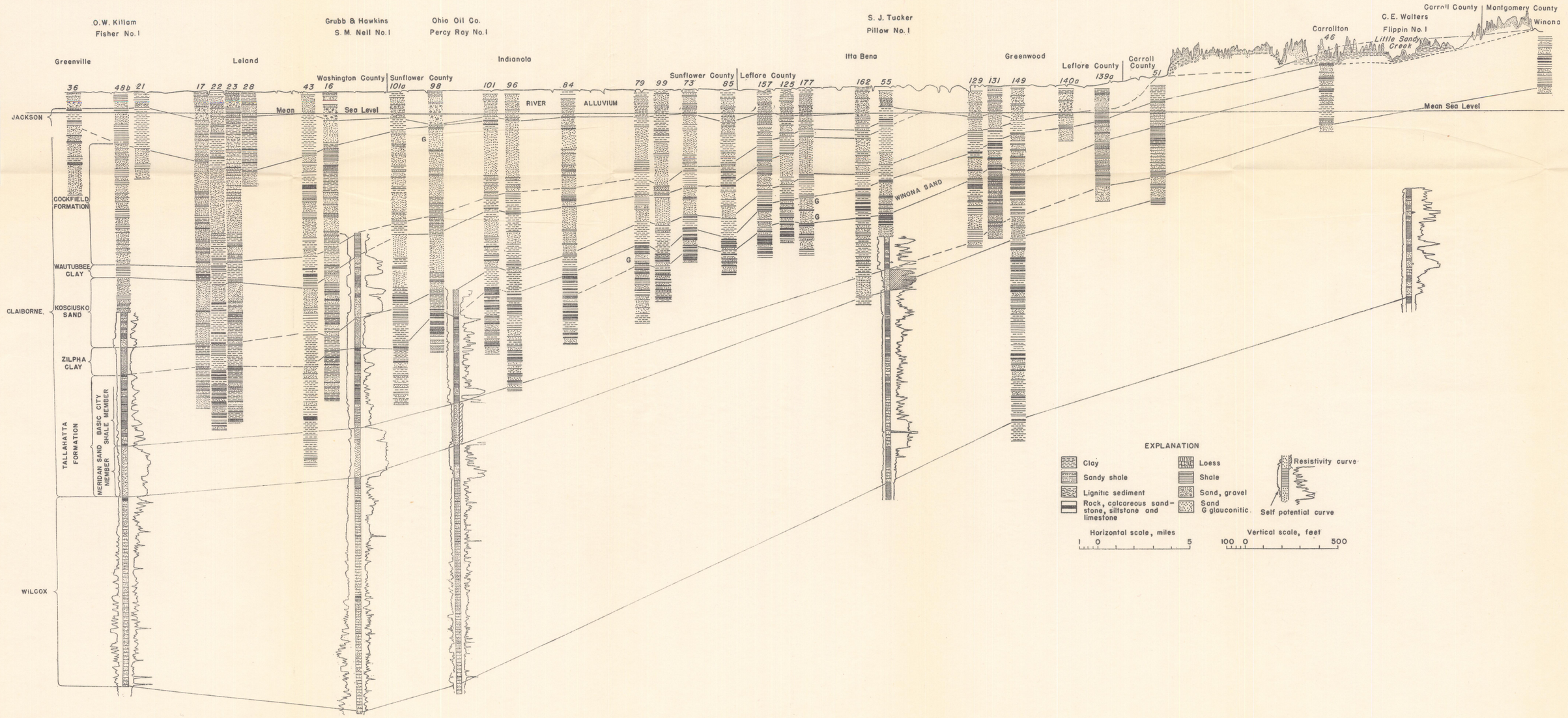




Figure 6.—A pressure-recording gage attached to an artesian well at Belzoni. The gage charts a continuous record of water pressure.

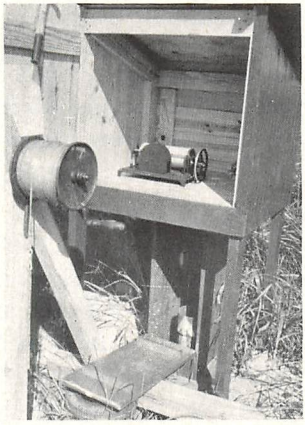


Figure 7.—A recorder for charting water-level changes in a well that does not flow. A float on the water moves the drum, dragging a chart beneath a stylus which is pulled across the drum by the clock. The portable sounding reel (left) is used to measure well depths.

flowing into surface reservoirs from which the water is pumped into elevated storage or town mains, but deep-well turbine pumps mounted in the wells are becoming more common. Many of the largest producers of water for cooling or other industrial purposes obtain the water from shallow wells in the river alluvium at Greenville, Greenwood, Clarksdale, and Yazoo City.

STRATIGRAPHY AND HYDROLOGY

GENERAL FEATURES

The sedimentary formations within the Mississippi embayment, which are the chief aquifers and confining beds, are composed mostly of sand, gravel, sandy clays, and clay or shale. Smaller amounts of limestone, chalk, marl, quartzite or quartzitic sandstone, and lignite are also present; and gravels, tuffs and porphyritic igneous rocks, tuffaceous sediments, dense shale, anhydrite, and salt are encountered in deep drilling for oil. The sediments range from upper Cretaceous to upper Eocene. They are largely unconsolidated, although strata of quartzite, sandstone, limestone, and siderite retard drilling in some areas. The hard layers are generally thin and form a relatively small part of the total thickness of the sediments. Some are useful for correlation purposes. Much of the iron oxide-cemented sandstone and quartzite in outcrop areas appears to be responsible for rugged topography; such oxide-cementation is a weathering phenomenon not to be found at depths within the embayment.

Sediments that range from lower Cretaceous, or possibly lower, to upper Eocene, rest on a basement of folded Paleozoic sediments and Mesozoic igneous rocks. The various groups of the younger formations are separated by unconformities which obscure the structure within the older more intensely folded and faulted groups.

The Cretaceous rocks in the Yazoo basin were, in general, deposited in water wherein the calcium ion was dominant, which led to deposits of limestone, chalk, and marl; and the younger hydrologically important Eocene sediments were deposited under conditions in which iron was more important, which led to deposits containing glauconite, pyrite, marcasite, and siderite. The transitional conditions in the Paleocene, which mark the bottom of fresh water in this area, resulted in deposits of both types.

In the Yazoo "delta" the Eocene beds are mantled by 80 to 200 feet of river-laid alluvium of Pleistocene and Recent age. The alluvium is flat-lying and essentially in the attitude of original deposition. Because of this broad alluvial mask, information regarding the underlying aquifers must be obtained: by drilling; by geophysical methods; from various phenomena, such as the hydrostatic level, chemical character, and temperature of the ground water; and by comparison with outcrops in the North Central Hills.

Deep within the embayment in Sharkey, Issaquena, and Washington Counties, the Eocene beds are uplifted over the Sharkey plat-

form, of volcanic origin; and farther east, in Humphreys County, over the buried Midnight volcano of Cretaceous age (Plates 1, 2, 3, 9, and 11.)

The artesian water is largely confined to the Eocene beds, which crop out in the North Central Hills at maximum altitudes of approximately 600 feet above the Gulf and from 400 to 500 feet above the alluvial plain. Thus water moves in general from the northeast toward the southwest. The natural hydraulic gradient has been disturbed by the flowing wells in the plain until the simple regional pressure (piezometric) surface no longer exists. Early development in Leflore County and the large number of openly flowing wells on the east side of the plain have caused a low-pressure area, consequently the gradient in the western part of the plain has been reversed (Plates 12, 13).

In the outcrop belts the water is low in total dissolved solids and somewhat hard. Farther west, toward the embayment axis, the water contains increasing amounts of dissolved mineral salts until in some areas it is not suitable for drinking purposes. The chemistry of water change is not very well understood, but two reactions, now generally held plausible as a result of the mineralogy of the sediments, are: 1) the exchange of hardening ions (calcium and magnesium) in the shallower water for softening ions (sodium and potassium) from clay minerals together with increase of the bicarbonate ion in the water, and 2) the reduction of sulphate.[18]

Of special interest is the presence of fluoride in some of the waters. It appears that fluoride in amounts up to about 1 part per million in drinking water tends to prevent dental decay, but larger amounts, when the water is used continuously by young children,[19] cause mottling of the tooth enamel. Several analyses from northwestern Mississippi show water with considerably more than 1 part per million of fluoride, so that the average for all aquifers younger than the Meridian sand (excluding the river alluvium) is more than the most desirable quantity. Waters in Wilcox and Meridian strata contain locally more than 1 part per million in the depths of the embayment where total dissolved solids are rather large. The Winona sand, which is unique because of its marine origin and high glauconite content, contains water with the most fluoride, averaging nearly 2 parts per million; but locally there are larger quantities in the younger Kosciusko sand, and one well, at Cedars, contains 16 parts per million. This well is known to be on a salt dome. In general there

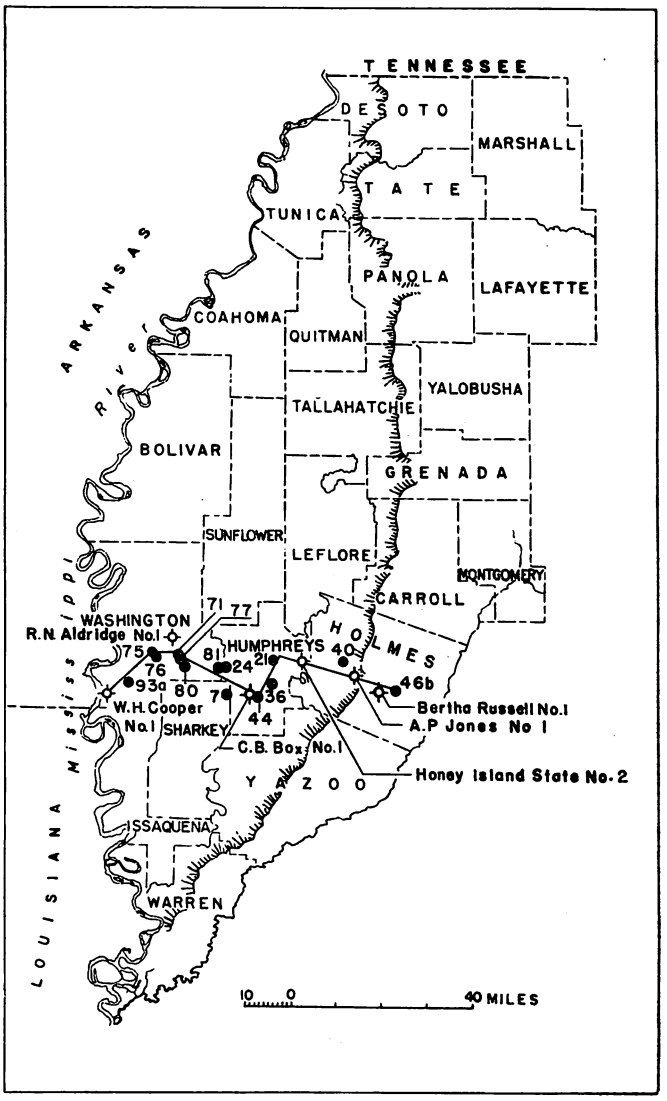
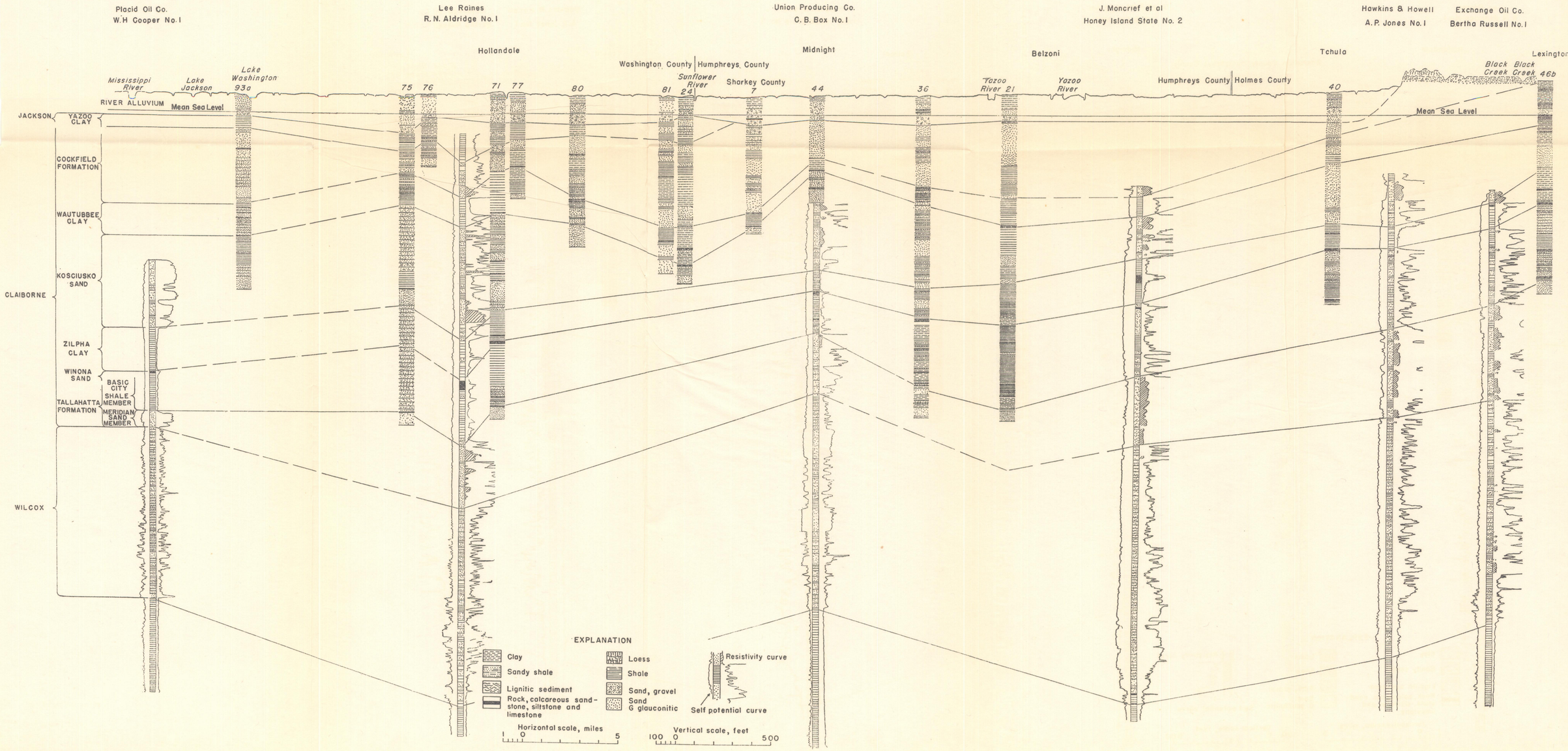


Plate 9.—Index map and geologic cross-section from a point east of Lexington to Lake Washington.

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appears to be more fluoride in the vicinity of the Sharkey platform and the buried Midnight volcano, although some wells where high fluoride might be expected in these areas contain water with 1 part per million or less. Thus the origin of the fluoride remains obscure.

The temperature of water from wells is nearly uniform throughout the year. In the shallow wells minimum temperatures range from 63° F. to 66.5° F. (Figure 1). The deeper wells yield flowing water of higher temperature, reaching a measured maximum at the land surface of 98.7° F. at Glen Allen, Washington County, in the Glen Allen oil mill well. The water comes from the Meridian sand member of the Tallahatta formation at a depth of 1,746 to 1,786 feet. The apparent geothermal gradient is 1 degree Fahrenheit for each 53 feet in depth. The high temperatures in this area may come in part from the deeply buried volcanic heat of the Sharkey platform.

PALEOCENE

MIDWAY-PORTERS CREEK CLAY

The Midway is divided into two formations in this area, a thin lower calcareous phase, the Clayton formation, which is not described here, and an upper formation known as the Porters Creek clay.

The bulk of the Midway is made up of the Porters Creek clay, which forms an outcrop belt 4 to 12 miles wide extending from Alabama at Kemper County northward into Tennessee beyond Tippah County. The belt is known as the Flatwoods because of the inability of the underlying clay to support a rugged topography. The thickness of the formation ranges from about 30 to 225 feet in Tippah County.[20] [21] It probably averages 150 feet in the outcrop area and increases down dip to about 900 feet near the embayment axis in Yazoo County. Throughout northwestern Mississippi where the Porters Creek clay is deeply buried the thickness ranges between 500 and 800 feet. In the area of the Sharkey platform and south along the Mississippi River, the clay shale of the Porters Creek is much thinner, probably averaging 500 feet and decreasing to a minimum of about 400 feet in Burden and Cummings T. M. Morrissey oil prospect well in northwestern Warren County. This thickness of the clay shale is similar to that in the outcrop area on the west side of the embayment in southwestern Arkansas.[22]

The color of the marine clay and shale of the Porters Creek ranges from dove gray to nearly black. Fragments break with subconchoidal fracture which is due, at least in part, to the paucity of

lamination. Foraminifera are common in some layers, but the clay contains few large fossils. Lenses and concretions of limestone and siderite are constituent parts, usually near the top, and small crystals of pyrite are common throughout the section. Approximately the upper 50 feet are sandy clay, and locally, as in Tippah County, enough sand is present to warrant its designation as a named unit, the Tippah sand lentil.

The Porters Creek clay is separated from the overlying Wilcox strata of Eocene age, by a disconformity which is marked by deposits of kaolin and bauxite.

The Porters Creek clay contains no fresh water, but it serves to separate the connate waters of the Cretaceous and lower Midway beds from the waters of the overlying Wilcox and Claiborne strata which are fresh except in the southern part of the alluvial plain where water in the Wilcox also is brackish. Also, the relative impermeability of the thick Porters Creek clay serves to define the recharge area, so that water to replenish the aquifers beneath the Mississippi alluvial plain must enter the sands in the North Central Hills west and south of the Flatwoods.

EOCENE

WILCOX

IN GENERAL

Outcrop beds earlier assigned to the Wilcox were divided into three formations: 1) the basal Ackerman formation, 2) the Holly Springs sand, and 3) the Grenada formation.[23] The Grenada formation is now known to be of Claiborne age, and the outcrops of sand around Holly Springs are exposures of the Meridian sand member of the Tallahatta formation (basal Claiborne), so that the exposures of Wilcox age seem limited to the basal Ackerman formation. However, borings show that the basal sand of the Ackerman and its overlying lignitic shales are but a portion of the Wilcox in the subsurface. At least one other major cycle of deposition and probably two are discernible at Camp McCain, Grenada and Montgomery Counties, where the Wilcox was thoroughly explored.[24] Here the cycle above the Ackerman formation was designated the Holly Springs formation, and the remnants of a third cycle, near the top, as undifferentiated Wilcox, possibly equivalent to the Hatchetigbee formation of southeastern Mississippi. These strata are covered by overlap of the Meridian sand member of the Tallahatta formation in northern Mississippi. Because the units are lithologically similar, and fossil evidence from

wells is lacking, it is difficult to distinguish the near-surface units in subsurface sections beneath the alluvial plain. Accordingly subdivisions are not here attempted.*

The Wilcox is 2,300 feet thick at the Sells Petroleum Company Faulkner oil prospect well in southern Yazoo County, which thickness seems maximum for northwestern Mississippi (Plate 10). The Wilcox sediments are about 980 feet thick in Holman and Russell E. K. Thomas No. 1, western Bolivar County; 860 feet, in the Ex-



Figure 8.—Ripple-marked tight silty beds of the Wilcox in western Webster County. These sediments yield small quantities of water for domestic purposes.

change Oil Company Wildwood No. 1, northern Leflore County; about 800 feet, on the Sharkey platform; and 690 feet, at Memphis, Tennessee. The maximum thickness in the North Central Hills is about 870 feet along the Big Black River. Spooner[25] describes a thickness of 500 to 600 feet at the outcrop of the Wilcox in Arkansas, a subsurface thickness of probably more than 1,500 feet in southeastern Arkansas in the Desha Basin. Thus the position of the Wil-

*The U. S. Geological Survey currently refers to the Wilcox as a formation, because the older areal divisions are not now admissible.

cox differs from that of the Midway in that the center of gravity of its mass is farther east.

The Wilcox strata are composed of interbedded shale, silt, and sand of continental origin (Figure 8), but they include thin tongues of marine limestone and calcareous-cemented sandstone in the depths of the embayment. The shales are brown and carbonaceous, the organic debris in places being pure enough to form lignite. The sands and silts are gray, showing many quartz crystal surfaces under the microscope, and contain some biotite and muscovite flakes besides many other less abundant minerals. The sand beds are most prominent near the base and in the uppermost part. Only the basal sand is extensive in the northern part of the plain, although a lens near the middle of the deposits extends northeast from Tallahatchie County in about the same stratigraphic position as the sand designated basal Holly Springs at Camp McCain.

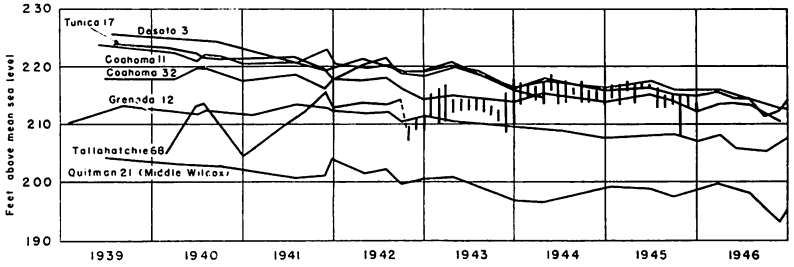
LOWER WILCOX SAND

Water of good quality is derived from the basal sand of the Wilcox in numerous wells at Memphis, Tennessee, and in DeSoto and Tunica Counties, Mississippi. Well 68 at Sumner, Tallahatchie County, penetrated the basal sand; however, the water was too brackish for general use (Table 3, analysis Tallahatchie 68, and Plate 7). Well 149 at Greenwood, Leflore County, was completed with a screen opposite the basal sand, but likewise the water was high in dissolved solids and was unsatisfactory (Table 3, analysis Leflore 149).

The piezometric surface of the lower Wilcox sand ranges between 220 and 230 feet above mean sea level in DeSoto, Tunica, and Coahoma Counties, except for a few wells adjacent to the Mississippi River in Tunica and Coahoma Counties where the pressure surface seems to decline steeply to about 180 feet. The surface of the plain in this region is 180-210 feet above mean sea level. The cone of depression caused by pumping at Memphis extends south across DeSoto County. Farther south, the known pressures range from 210 feet above mean sea level at Sumner, Tallahatchie County, to 229 feet above mean sea level at Greenwood, Leflore County.

At Memphis, Tennessee, about 10 million gallons per day are drawn from the basal sand in the Wilcox.[24] The average decline in artesian pressure of this basal sand in the various wells prior to 1938 was 12.2 feet in 13 years; since then the decline has averaged 8.6 feet for 7 years, or 1.2 feet per year (Figure 9 and Table 29).

Depths beneath sea level necessary completely to penetrate the Wilcox range from a few feet to about 5,000 feet (Plate 1), but fresh water suitable for most purposes must come from depths less than 1,500 feet beneath mean sea level, or from the area northeast of a line through Greenwood and Sumner. Plate 1 aids in calculating the probable depths necessary to obtain the lowest fresh water in the northeastern part of the plain. Adding the altitude of the land at the proposed site to the depth beneath sea level, as shown on the plate, gives the approximate depth to the bottom of the Wilcox,



HYDROGRAPH SHOWING FLUCTUATIONS IN WATER PRESSURE
MIDDLE AND LOWER WILCOX
FIGURE 9

which is generally 50 to 200 feet below the water bearing beds of the lower Wilcox sand. These beds contain coarse sand and, where sampled, the coefficient of permeability averages 450 gallons per day at 60° F. that would be transmitted through a cross section area of 1 square foot under unit hydraulic gradient (1 foot per foot); or, to define a little differently, through a section 1 foot thick and 1 mile wide under a hydraulic gradient of 1 foot per mile (Table 2).

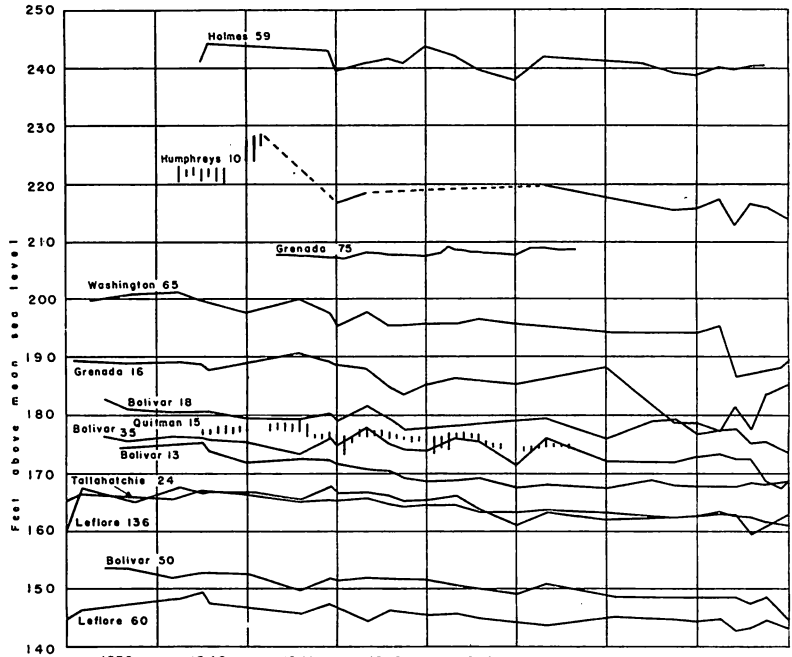
CLAIBORNE

TALLAHATTA FORMATION—MERIDIAN SAND MEMBER

The basal unit of the Claiborne in northwestern Mississippi is the coarse-grained Meridian sand member of the Tallahatta formation, which trangresses the underlying Wilcox in the North Central Hills. In these hills, the sand crops out in a belt 1 to 15 miles wide becoming wider toward Tennessee. The base is a well-defined disconformity in contrast to the upper boundary which is seldom distinct. The overlying Basic City shale member of the Tallahatta contains lenses and stringers of Meridian-type sand; and the peculiar light-weight shale, typical of the Basic City member, is irregularly distributed throughout the upper part of the Meridian sand member. Within the embayment, the boundary between the members is more distinct, and the Basic City contains marine lenses which are absent

from the Meridian sand member (some glauconite was found in the sand at Sumner, Tallahatchie County, possibly due to contamination of the cuttings, or to reworking).

In the outcrop belt the Meridian sand member averages about 200 feet in thickness, a thickness that is maintained under much of the alluvial plain. Records from wells indicate that the thickness ranges from about 85 feet on the Sharkey platform and in central Coahoma County to about 500 feet in the Exchange Oil Company



HYDROGRAPH SHOWING FLUCTUATIONS IN WATER PRESSURE
MERIDIAN SAND
FIGURE 10

Bertha Russell No. 1 oil prospect well in central Holmes County. Thickening along the axis of the Mississippi embayment is apparent, but more of the sand appears to lie east of the axis in the southern part of the area.

The Meridian sand is characterized in the outcrop by much kyanite, staurolite, and muscovite, besides quartz. In well cuttings the grains appear similar to those of the sands of the underlying Wilcox, from which the sand for the member supposedly was derived. These grains are locally coarse, and coefficient of permeability of 19 sam-

ples averages about 460 (Table 2), which is near the average for the highly productive sand in the outcrop belt at Camp McCain.[27]

The piezometric or pressure-indicating surface in 1938-39 (Plate 12) shows a well-developed low area in the east central part of the plain where discharge is greatest. The water from the large discharge areas is low in dissolved solids (Table 4) and suitable for most uses. In the deeper portions of the embayment, the Meridian water contains larger amounts of dissolved salts, mostly sodium bicarbonate.

The Meridian sand is a highly productive aquifer, yielding flowing water throughout the northern two-thirds of the alluvial plain. At Greenwood, Leflore County, 1,850,000 gallons per day are pumped from this sand. The higher altitude of the outcrop areas has imparted pressures up to as much as 60 pounds per square inch at the land surface in the southeastern part of the plain. Unfortunately these high pressures have resulted in much waste of water from uncontrolled flowing wells and consequently large declines in natural pressure. The largest declines prior to 1938 are on the order of 30 feet in Coahoma, Tallahatchie, and Leflore Counties. In wells throughout the alluvial plain the average measured decline since 1938 is about 6 feet (Table 29 and Figure 10).

The depth necessary to drill through the Meridian sand member may be obtained by adding the elevation of the land surface at the well site to the depth below mean sea level of the approximate base of the Meridian sand member (Plate 2).

TALLAHATTA FORMATION—BASIC CITY SHALE MEMBER

The Basic City shale member of the Tallahatta formation conformably overlies and interfingers with the Meridian sand member of the formation below and conformably underlies the Winona sand above. In the depths of the embayment north of Clarksdale the Basic City underlies directly either the Zilpha clay or the Kosciusko sand, formations higher in the Claiborne section, because the Winona is missing or both Winona and Zilpha are absent in these areas. Of course the Winona may be represented by shale beds, which, for the sake of hydrologic continuity, may be considered part of the Basic City.

The Basic City shale member crops out in a belt about 10 miles wide in Grenada County. Farther north in the North Central Hills, the belt appears to become narrower and the shale beds thinner (Fig-

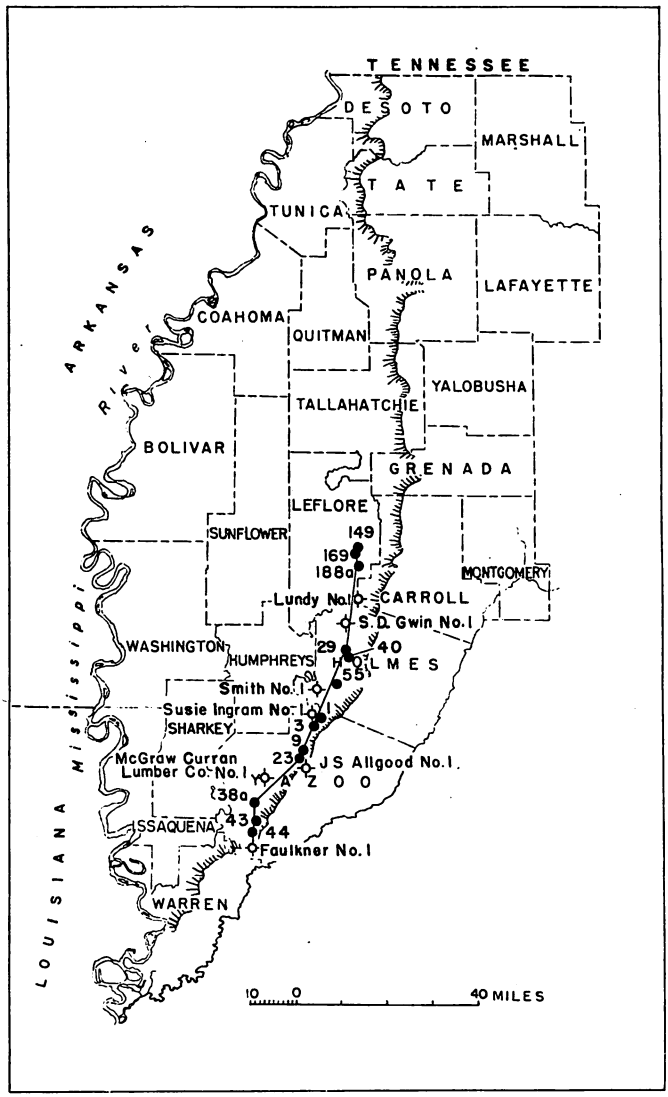


Plate 10.—Index map and geologic cross-section from Greenwood to a point near Germania.

Greenwood
149 169 188a

Lynn Oil Co.
Lundy No. 1

Exchange Oil Co.
S. D. Gwin No. 1

Leflore County | Holmes County

29 40 55

A. H. Rowan
Smith No. 1
59

Holmes County | Yazoo County

1 3

Carter Oil Co.
Susie Ingram No. 1
9

Texas-Pacific Coal & Oil Co.
J. S. Allgood No. 1
23

Yazoo City

Joe Dawson
McGraw Curran Lumber Co. No. 1
38a 43 44

Sells Petroleum Co.
Faulkner No. 1

Mean Sea Level

G

WINONA SAND

YAZOO CLAY — JACKSON

COCKFIELD FORMATION

WAUTUBBEE CLAY

KOSCIUSKO SAND — CLAIBORNE

ZILPHA CLAY

WINONA SAND

BASIC CITY SHALE MEMBER

TALLAHATTA FORMATION

MERIDIAN SAND MEMBER

WILCOX

EXPLANATION

- Clay
- Sandy shale
- Lignitic sediment
- Rock, calcareous sandstone, siltstone and limestone
- Loess
- Shale
- Sand, gravel
- Sand G glauconitic
- Resistivity curve
- Self potential curve

Horizontal scale, miles
1 0 5

Vertical scale, feet
100 0 500

ure 11). In the northern part, the shale lenses are discontinuous where the Meridian sand thickens at the expense of the shale; in areas along the embayment axis the interbedded sand is subordinate. The Basic City shale member ranges in thickness from a known minimum of 22 feet at the Lynn Sand and Gravel Company pit 6 miles east of Batesville, Panola County (Plate 6), to a maximum of about 500 feet at Indianola near the embayment axis and in the Exchange Oil Company Bertha Russell No. 1, central Holmes County.



Figure 11.—White shale typical of the Basic City shale member of the Tallahatta formation in north central Yalobusha County. Water is derived from the thin interbedded sand in numerous wells in the eastern part of the alluvial plain. Movement of water in this material is almost completely two directional instead of three directional.

At Clarksdale and over part of the Sharkey platform the shale is about 85 feet thick.

The shale is distinctive, having, on drying, a light gray or white color (Figure 11), a low specific gravity (bulk specific gravity 1.23),[28] and much cryptocrystalline silica. Outcrops are usually characterized by irregular tubular channels resembling fucoids, both on the bedding planes and across them. In many places grains of quartz and glauconite are abundant in the tubes. Some phases are very

thinly laminated "paper" shales, and locally carbonaceous debris is abundant. Fossils from a quarry in Lafayette County (Sec. 16, T. 9

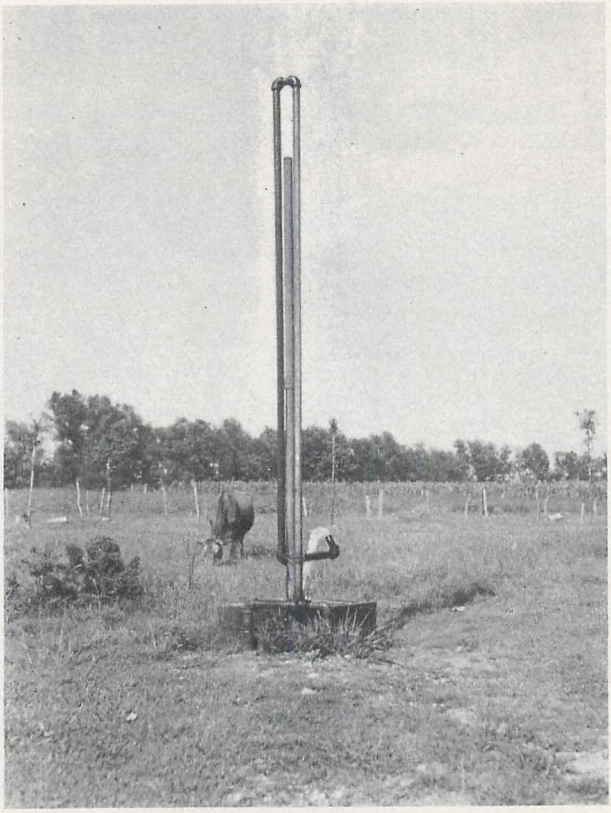


Figure 12.—A flowing well which derives water from the Basic City shale member in Panola County. The additional hydraulic pressure of the U pipe helps overcome friction in a second discharge pipe (leading off beneath the ground to the right)—so that the natural pressure is utilized to supply substantial discharge at two points. This is wasteful practice.

S., R. 4 W.) near the base of the formation are identified by Miss Julia Gardner and others as:

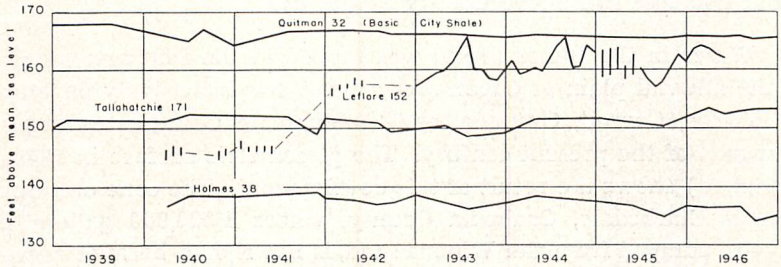
Cardium sp. nov.
Tellina sp.
Yoldia sp.
Undetermined genus

In carbonaceous shale containing a few grains of glauconite exposed at the base of the spillway cut at Sardis Dam, Panola County, fossil leaves believed to be from the top of the Basic City shale were

collected by V. T. Stringfield and the writer and were identified by Dr. Roland W. Brown as follows:

Euonymus santatomasensis
Cassia puryearensis
Nectandra lancifolia
Apocynophyllum grevilleafolium
Mespilodaphne columbiana
Metopium wilcoxianum
Persea gratissimifolia
Oreodaphne inequilateralis

The interbedded layers of sand furnish water to numerous wells in the eastern part of the alluvial plain. To obtain the desired volume,



HYDROGRAPH SHOWING FLUCTUATIONS IN WATER PRESSURE WINONA SAND AND BASIC CITY SHALE

FIGURE 13

generally several joints of slotted pipe opposite the sand beds are required (or even no casing at all). Early and continued drilling in the shale has caused extensive lowering of water levels. Prior to 1938 the average decline in 11 wells was 21.2 feet. Since then well 68 32 in Quitman County, which has been measured repeatedly, has shown a decline of 2.5 feet in 8 years (Figure 13). Apparently the artesian head has declined sufficiently to decrease the discharge materially. Also, because of the decline, newer wells are drilled into other water-bearing formations, although about 250,000 gallons per day are pumped from a sand believed to be of Basic City age at Greenwood, Leflore County.

The hydraulic gradients and directions of movement of the ground water in the Basic City are similar to those in the underlying Meridian, except that the low pressure area (discharge sinks) extend farther south (Plate 12). The laminar character of the aquifer and the grain size (Table 2) also help explain the shape of the piezometric surface. The water is chemically satisfactory throughout most of the plain (Table 5).

WINONA SAND

The Winona sand overlies the Basic City shale member of the Tallahatta formation and underlies the Zilpha clay. The sand is glauconitic and calcareous at the top grading downward to massive quartz sand (Table 2) at the type locality around Winona, Montgomery County. Down dip the hydrologically important sand interfingers with shale in Holmes County on the south, Sunflower County on the west, and Coahoma, Quitman, and Panola Counties on the north. The calcareous uppermost ledge extends throughout the alluvial plain and is shown as the top of the Basic City shale where the sand is missing. At Winona the thickness is about 70 to 80 feet according to R. R. Priddy.[29] Driller's logs indicate a maximum thickness of about 200 feet in Leflore County (Plate 8).

Water in the Winona sand was tapped in the first artesian well in the alluvial plain at Greenwood, and it was intensively developed in Leflore, Carroll, Grenada, and Tallahatchie Counties during the first part of the present century. The piezometric surface in 1938-39 (Plate 13) shows the result of this development. The cone of depression at Clarksdale, Coahoma County, where 1,500,000 gallons per day are pumped from the Winona sand, is not shown because there is an insufficient number of nearby wells in the sand to define the cone. Declines in water level of the wells prior to 1938 average 34.2 feet throughout the plain. In wells which produce from both the Winona sand and the Basic City shale the decline appears to have averaged about 38 feet prior to 1938. Since 1938 water levels have risen about 16 feet in Leflore well 152 and about 4.2 feet in Tallahatchie well 171 as a result of decreased withdrawal from the sand. In Holmes County, near the down-dip closure, the water level has declined 1.8 feet since 1938 (Figure 13).

The water from the Winona sand is satisfactory for most purposes, although somewhat higher in dissolved solids than either the underlying Basic City water or the overlying Kosciusko water (Table 6). The glauconitic nature of the sand doubtless increases the base exchange reaction, adding sodium-bicarbonate. The fluoride content is also higher than that of adjacent waters and, accordingly, the Winona water should not be used when other supplies are available.

ZILPHA CLAY

The Zilpha clay is a mappable bed extending through Attala, Montgomery, and Grenada Counties, and probably as far north as

Sardis, Panola County, where it rests conformably on the Winona sand and disconformably underlies the Kosciusko sand. Beneath the alluvial plain to the west the clay extends about as far north as does the underlying Winona sand. Down dip, it is continuous, across the Sharkey platform and throughout the southern part of the alluvial plain, where a maximum thickness of about 290 feet is shown on the electrical log of Gholson and Schon's Carrie Aden No. 1, Issaquena County. Over most of the area the Zilpha averages about 150 feet in thickness. Although the clay thickens along the axis of the embayment, the greatest volume lies west of the axis without an appreciable decrease over the Sharkey platform. The lower few feet are of marine origin in the outcrop, containing much glauconite, and the upper, more massive, member is of non-marine origin.

The clay weathers to a dark olive drab in the lower part, where nodules and layers of limonite are common. In the upper part, it contains leaf impressions, some of which have been identified by Dr. Roland W. Brown as follows:

U. S. Highway 82, NW.1/4, SE.1/4, Sec.21, T.19 N., R.4 E., Carroll County.
Coccolobis columbianus Berry
Persea gratissimifolia Berry

U. S. Highway 82, SE.1/4, NE.1/4, Sec.19, T.19 N., R.4 E., Carroll County.
Myrcia trowbridgi Berry
Fragmentary leaves and seeds

U. S. Highway 82, NW.1/4, NE.1/4, Sec.24, T.19 N., R.3 E., Carroll County.
Myrcia trowbridgi Berry
Oreodaphne sp.
Creopanax mississippiensis Berry
Sophora claiborniana Berry
Persea gratissimifolia Berry

At the last two stations, the fossils are near the top of the clay.

The Zilpha clay does not yield appreciable quantities of water to wells, but rather serves as a confining bed to the underlying Winona sand and to the overlying Kosciusko sand.

KOSCIUSKO SAND*

The Kosciusko sand crops out in a belt 6 to perhaps more than 20 miles wide in northern Mississippi, the western or upper boundary flanking the alluvial plain in Carroll, Grenada, Tallahatchie, and Panola Counties. The sand extends beneath the plain, except in a small area adjacent to the Bluff Hills where the alluvium rests on

*The term Sparta sand is used currently by the U. S. Geological Survey for this unit.

Zilpha clay (Plate 3). In Carroll County the massive sand overlaps the Zilpha clay and part of the Winona sand (Plate 8). Farther north there is some evidence that it rests on the Basic City shale member of the Tallahatta formation (Figure 14), and, that, near



Figure 14.—The north wall of the spillway cut at Sardis dam, Panola County. Beneath 64 feet of Kosciusko sand is 6 feet of cavernous limonite-cemented sandstone which marks the water-table. Water is cascading from the sandstone over dark gray shale of Zilpha or Basic City age.

the Tennessee line, it may overlap the Meridian sand member of that formation. Thus the base of the Kosciusko marks the early part of another transgressive epoch which culminated in deposition of the overlying marine Wautubbee clay. The exposed section of the Kosciusko sand is about 100 feet thick in Carroll County (Figure 15). Under the alluvial plain where it is not truncated by the river, the thickness in the shallowest portions through western Leflore, Sun-

flower, and Coahoma Counties is about 200 feet. Farther north in Tunica and DeSoto Counties and in the direction of the embayment axis, it appears to thicken to about 400 feet, a thickness maintained farther south along the axis until the sediments plunge off the south-

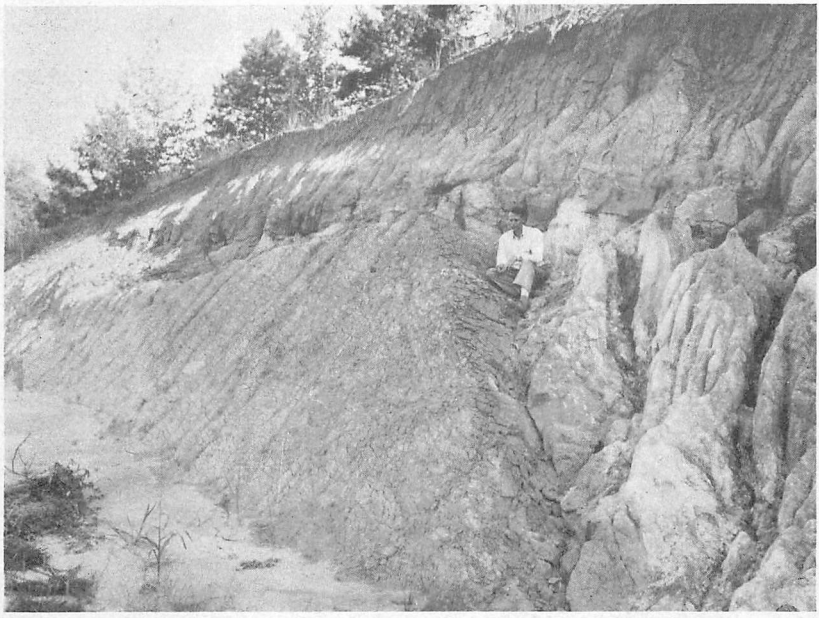


Figure 15.—The base of the Kosciusko sand above limonite on the top of the Zilpha clay and along a water course. Disturbance of the beds, probably slumping connected with development of present topography but antedating deposition of the loess blanket (above the figure) accounts for the steep dip. On U. S. Highway 82 (SE.1/4, NW.1/4, Sec.19, T.19 N., R.4 E.), Carroll County.

eastern flank of the Sharkey platform. In the extreme southern part of the alluvial plain the sand and interbedded shale lenses are 1,000 feet thick.

The Kosciusko sand is heterogeneous and of nonmarine origin, the glauconite grains in the well samples having been reworked from the underlying marine beds. Many lenses are coarse sand which transmit water readily (Figure 16, Table 2); others are fine and micaceous. The clays, which are more abundant in the basal and highest beds, are carbonaceous and locally lignitic. Perhaps the most diagnostic features in local outcrops are silicified logs and quartzite ledges. The quartzite does not appear in wells drilled on the alluvial plain.

The sand has yielded artesian water over a large area for 30 years. Prior to 1938 the average decline in artesian pressure was 15.6 feet; since then the decrease in pressure has averaged about 3.8 feet (Figure 17). The removal of much of the formation by erosion during Pleistocene time and subsequent movement of water into the river alluvium have doubtless decreased the dissolved solids content in

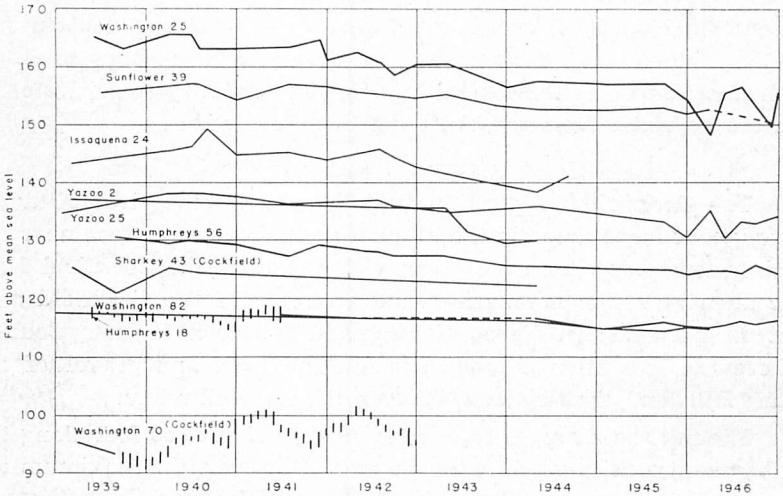


Figure 16.—Coarse cross-bedded Kosciusko sand on U. S. Highway 82 (NE.1/4, NW.1/4, Sec.23, T.19 N., R.3 E.), Carroll County. Where saturated such sand is capable of yielding large supplies of water.

the northern part and in the eastern part of the plain, and has lowered the artesian pressure farther west and south (Figure 18). The highest pressures measured in wells are in the southeastern part where confining beds and sufficiently high outcrops have established hydraulic gradients sloping to the northwest (Plate 13). Large supplies of water of good quality (Table 7) remain in the formation, whose coefficient of permeability is on the order of 790 (Table 2). If large quantities of water for industrial uses are needed, wells located southwest of the "outcrop" beneath the alluvium would establish equilibrium by replenishment from the alluvial gravels. Such water would be of uniform quality, provided the wells were located sufficiently far from alluvial recharge to utilize the filtration and storage properties of the Kosciusko sand.

WAUTUBBEE CLAY*

A confining bed of clay, that is marine in the southwestern part of the alluvial plain and nonmarine in the central part, is probably equivalent to the Wautubbee marl of Lowe,[30] which overlies the



HYDROGRAPH SHOWING FLUCTUATIONS IN WATER PRESSURE
KOSCIUSKO SAND AND COCKFIELD FORMATION

FIGURE 17

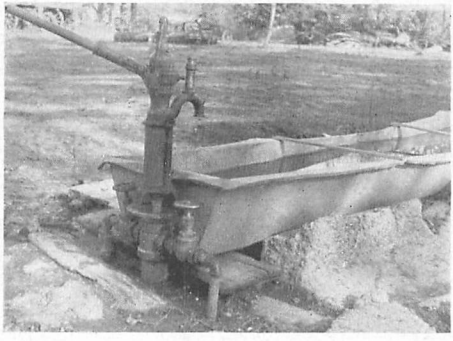


Figure 18—A water well in the Kosciusko sand in Washington County. The well formerly had sufficient pressure to distribute the water but now requires pumping.

Kosciusko sand and underlies the Cockfield formation. The nonmarine phase is carbonaceous. Under the alluvial plain the thickness of the Wautubbee clay ranges from a few feet to about 270 feet in

*The U. S. Geological Survey currently uses the term Cook Mountain formation for the unit designated Wautubbee clay by the Mississippi Geological Survey.

Yazoo County, although this thickness is based on a unit which includes some sandy beds near the middle. The clay is thus variable in thickness, probably averaging 150 feet along the axis of the embayment and less in Leflore, Sunflower, and Coahoma Counties where it underlies the alluvium. Correlations and thicknesses are questionable because accurate information is lacking. Only a few wells produce water from the sandy middle beds; perhaps the most valuable feature of the formation being its tendency to separate the Kosciusko water from the overlying Cockfield water.

COCKFIELD FORMATION

The Cockfield (Yegua) formation underlies the river alluvium throughout large areas in the alluvial plain except in areas near the embayment axis where the Yazoo clay separates the Cockfield from the alluvium. The nonmarine sand and clay of the Cockfield crop out in northeastern Yazoo County and southern Holmes County, where the formation extends beneath the loess and gravel of the Bluff Hills and, farther west, beneath the river alluvium.

The thickness ranges from a few feet to about 650 feet along the embayment axis in Washington County. However, the maximum assigned thickness may include beds that are of Jackson (Late Eocene) age.

The sandy beds of the Cockfield formation yield chemically satisfactory water (Table 8) to numerous non-flowing domestic wells in Bolivar, Sharkey, and Washington Counties—about one-third of the deep (other than dug) wells in these counties. At Greenville 2,700,000 gallons per day are pumped from the formation for municipal supply. Industrial plants pump an equal quantity.

The piezometric surface of the Cockfield formation follows the land surface in the western part of the alluvial plain and probably coincides with the water table in the alluvium except in the vicinity of Greenville, where withdrawals from the Cockfield have lowered the head in that formation a few feet. Prior to 1938 the decline of water level in the Cockfield was about 9 feet; since 1938 there has been no apparent lowering, even though the average coefficient of permeability as indicated by grain size and laboratory tests of cuttings (Table 2) is only about 400 or one-half of the deeper Kosciusko sand.

The Cockfield formation is ideal in some areas for large developments of ground water, as pumpage from it permits recharge from the ever-replenished river alluvium above. In passing through the deeper sand the water from the alluvium improves in quality owing

to filtration, mixing with the Cockfield water, and perhaps some chemical changes. Large wells should be located a few miles from areas where the Cockfield underlies the basal sand and gravel of the alluvium and is hydrologically connected with them.

JACKSON

YAZOO CLAY

Large numbers of foraminifera from clay beneath the river alluvium in Washington and Bolivar Counties indicate that it is the marine Yazoo clay of the Jackson which extends north beneath the alluvial plain and across the axis of the embayment (Plates 4, 5). The lower boundary of the clay is marked in outcrop in Yazoo County by the Moodys Branch marl, which includes beds of glauconitic sand; but in this report, the Moodys Branch marl of the alluvial area is not separated because of insufficient evidence of its continuity and because it might be considered a hydrologic part of the underlying Cockfield formation. Beds of sand are included in the Yazoo clay (Plates 5, 8) where clay underlies sand; and possibly beds of rock, reported by drillers, at the base of the clay in places, are equivalent to the Moodys Branch marl. The overlap of Yazoo clay onto the Kosciusko sand and possibly the Wautubbee clay along the embayment axis suggests disconformity rather than lithologic and hydrologic transition or interfingering with the non-marine Cockfield formation. The Yazoo clay does not produce sufficient water in Mississippi for more than the most meager domestic use.

PLEISTOCENE

TERRACE DEPOSITS AND LOESS

Terrace deposits and younger loess (wind-blown silt) blanket the hills directly east of the alluvial plain and in a belt paralleling its eastern edge. The gravel and sand of the terrace deposits reach a maximum thickness of 120 feet in western Panola County, thin markedly toward the east and toward the south to about 80 feet in Tallahatchie County, 50 feet in Yazoo and Warren Counties, and northward to about 100 feet in Tate County, a maximum thickness maintained to the Tennessee State line. The terrace deposits yield water to numerous shallow wells and doubtless increase artesian pressure in the underlying Kosciusko and Cockfield formations except near the larger stream valleys, where the terrace deposits are more or less thoroughly drained. The overlying blanket of loess extends beyond the terrace deposits, into the North Central Hills where it is largely weathered to a brown loam (loess loam). The loess is 50 to 75 feet thick in the southern part of the Loess or Bluff

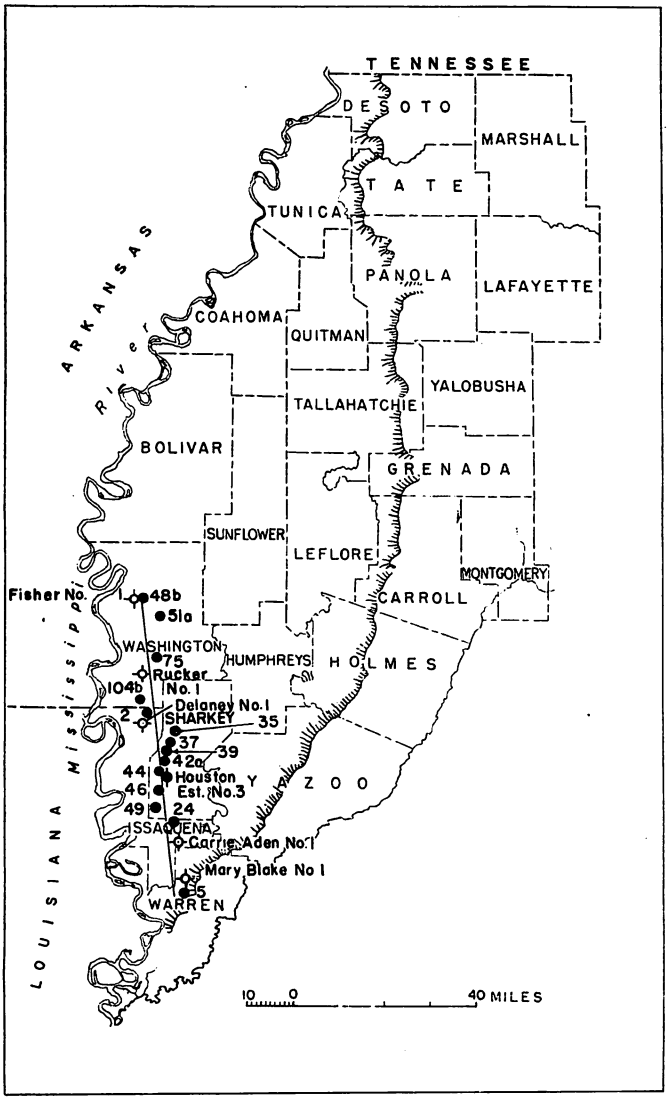
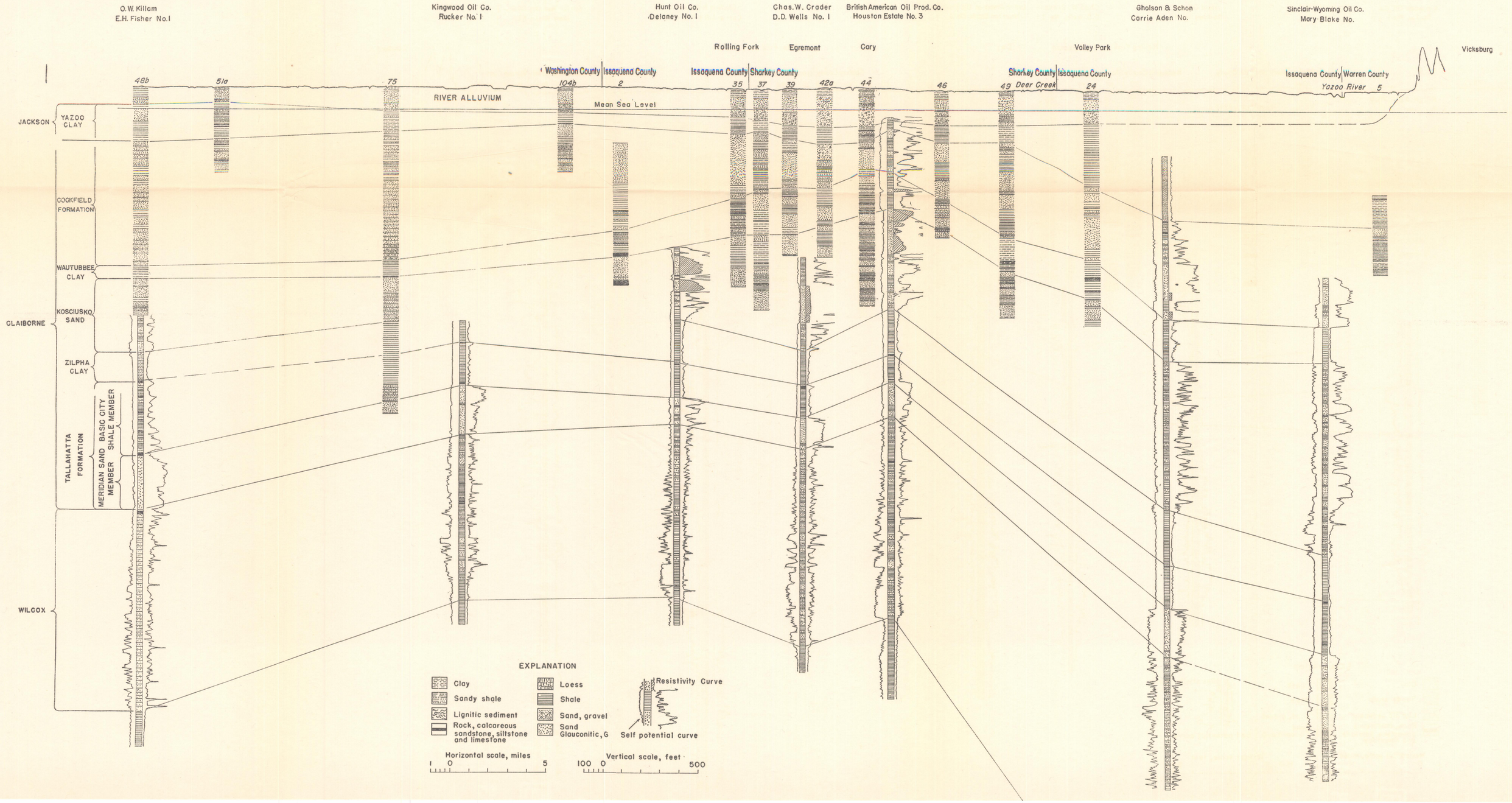


Plate 11.—Index map and geologic cross-section from a point near Greenville to Vicksburg.

MISSISSIPPI STATE GEOLOGICAL SURVEY
WILLIAM CLIFFORD MORSE, DIRECTOR

BULLETIN 65
PLATE 11



Hills[31, 32] within a few miles of the alluvial plain, and thins northward to a maximum of 30 or 40 feet in Tallahatchie County.[33] The loess seems to be impermeable as water-tight cisterns and ponds are constructed in it, and the calcium carbonate it contains has been only partly removed from it by weathering (Figure 19). Hence it serves to reduce the effective recharge in a narrow belt where streams have not cut through to the underlying terrace deposits.

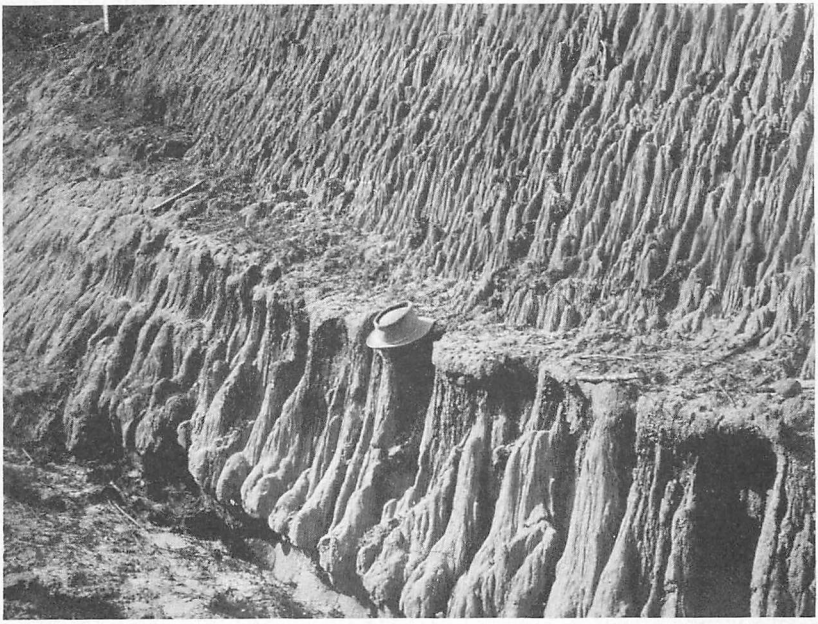


Figure 19.—Pinnacled loess. Above the bench on which the hat rests, the loess has been leached of its calcium carbonate but it remains calcareous below. On U. S. Highway 82 (NW.1/4, NW.1/4, Sec.24, T.19 N., R.2 E.), Carroll County. The calcareous lower part suggests that substantial ground water has not moved through such masses to recharge the artesian sands beneath.

RIVER ALLUVIUM

The Mississippi alluvial plain is underlain throughout its extent by river-dropped sediments which merge into Recent and Pleistocene valley fill in tributary streams in the hills to the east. The level terrain furnishes few sections of the sediments, but records of borings in recent years show that the alluvium is essentially one stratigraphic unit composed of silt, clay, and loam in the upper part, and of sand and gravel in the lower part. The upper clayey sediments are locally

sandy, and in many wells sand overlies gravel in the lower part, but such conditions are not uniform throughout the plain.

The gravel and sand under the western and southern parts of the plain are composed mostly of pebbles and grains of brown chert, quartz, quartzite, fine-grained igneous and metamorphic rocks, granite, gneiss, and diorite; the pebbles and grains under a part of the northeastern plain are composed dominantly of brown chert, quartzite, sandstone, and limestone. Gradations between these types of gravel suggest that the alluvium accumulated contemporaneously from at least two sources. Samples of gravel at well 68, Tallahatchie County, were completely devoid of the igneous and metamorphic rocks supposedly transported from the Central Interior and the Great Lakes regions,[34] and these rock types are scarce in other borings. Grains of glauconite, siderite, and ankerite were transported from nearby sediments, but some of the calcareous and siliceous fragments were formed during and following deposition. The maximum observed diameter of cobbles is 9 centimeters, the largest size removed by the drilling methods. Drillers have reported buried logs and partly decayed vegetable debris at numerous localities as well as blue mud containing much unoxidized organic material.

The thickness of the alluvial cover beneath the plain ranges from a few feet to about 225 feet, according to well drillers (Table 9), of which the upper clay, loam, and silt constitute up to 85 feet of the total. In general, the thicker alluvium extends parallel to the Loess or Bluff Hills; and the thinner alluvium, along the Mississippi in Washington and Bolivar Counties. The lower sand and gravel average 96 feet thick in 275 borings; the total alluvium, 120 feet in the same borings.

The scoured-out surface, upon which the alluvium was deposited, is not so nearly featureless as the present plain, for differences in the thickness of the fill indicate a relief of about 100 feet in eastern Sharkey and western Yazoo Counties and a comparable relief in the northern part of the plain. Presumably the areas of thicker alluvium are the loci of channelways, formed during the time of greatest Late Pleistocene emergence. In some of the areas, the underlying beds of Jackson age are relatively unconsolidated; whereas, in parts of the area of thinner fill, the sediments are more indurated. Accordingly it would seem that the pre-alluvial relief is due partly to the heterogeneity of Tertiary sediments over which the river or rivers flowed, partly to the location of the channelways, and partly to the relative time of channel shift. Fisk[35] has recently described the alluvium in detail.



NORTHWESTERN MISSISSIPPI

GENERALIZED PIEZOMETRIC SURFACE

1938 - 1939

BASED ON WATER LEVELS IN WELLS IN THE WINONA SAND (RED) AND IN THE KOSCIUSKO SAND (GREEN)

BY
GLEN F. BROWN

SCALE 1:500,000

LEVEE REPRESENTED BY A HACHURE LINE
WEST EDGE OF LOESS OR BLUFF HILLS BY HACHURES

BASE BY W. D. TURNBULL

Water for public utility and industrial uses comes from the lower sand and gravel of the alluvium at Greenwood, Yazoo City, Clarksdale, and Greenville. It is treated and used for the manufacture of ice in numerous small towns and furnishes domestic supplies at smaller communities and farm homes, although harder than deeper water and locally unpleasant from alluvial organic debris. In the wells the water generally rises to within 10 to 20 feet of the land surface, so that in every community water from the alluvium can be produced by suction pumps. Indeed, some driven wells adjacent to the Mississippi levee are reported to flow during floods, and flowing wells about 80 feet deep adjacent to the Loess or Bluff Hills in Leflore and Carroll Counties probably derive their water from the alluvium. Thus the water is confined, at least in part, although locally, water table conditions may prevail at all times or at least during periods of low water. The depth to water decreases near the Mississippi River which, together with other evidence such as the growth of sand boils behind levees during times of flood, implies that the water in the alluvium is connected hydrologically with the river along part, if not all, of its course across the plain.

The permeability or ability of the alluvium to yield water seems to differ considerably from place to place as shown by preliminary tests. The coefficient of permeability was determined by measuring the rate of percolation of water through 22 samples of sand and gravel. The coefficients range from 0.3 to more than 10,000. These samples were obtained from wells at Yazoo City, central Sunflower County, northwestern Tallahatchie County, and northern Coahoma County (Table 2). The average coefficient, 1,254, is probably somewhat higher than an average of the coefficient of permeability in undisturbed strata, because the samples were obtained from wash borings, in which the finer grained materials are lost. An estimate of the coefficient of permeability at Greenwood is 510, an estimate, made by means of an equilibrium formula (Thiem formula),[36] based on an average specific capacity of 70 gallons per foot of drawdown for three wells producing 7,000 gallons a minute, a thickness of water-bearing material of 164 feet, and a temperature of 66° F. Application of the equilibrium formula to three wells at Clarksdale gave a coefficient of 1,032. These figures suggest that the average coefficient of permeability of the basal river alluvium may be on the order of 1,000, but, that it is less than this in some localities, and more in others.

Perhaps the most desirable property of water from the alluvium is its relatively low and uniform temperature, suitable for air con-

ditioning. Approximate temperatures range from about 63° F. in DeSoto County to 66.5° F. at Vicksburg (Figure 1).

CONCLUSIONS

The artesian water of the alluvial plain in northwestern Mississippi is derived from confined Eocene beds in the structural trough of the Mississippi embayment. The artesian pressure is transmitted mostly from the higher outcrops of these beds in the North Central Hills of Mississippi, although the piezometric, or pressure-indicating, surfaces of 1938 show low areas of pressure east of the embayment axis and consequent movement of water from west to east. These low pressure areas show that some of the artesian water in the western part of the plain is coming from Eocene outcrops in southeastern Arkansas and from storage to the south.

The Wilcox beds yield potable water in the northern part of the plain in DeSoto, Tunica, and northern Coahoma Counties. Farther south and west and at greater depths the water is too highly mineralized for general use, even though the artesian pressures are high.

The basal Meridian sand member of the Tallahatta formation is extensively developed throughout the plain except in the areas south of the Sharkey platform and the buried Midnight volcano. The highest artesian pressures reported by drillers and measured by the writer (up to 138 feet above the land surface) are: 1) in this sand in Holmes and Humphreys Counties, where a high outcrop area lies directly east; and 2) on the northeast side of the Sharkey platform in Washington and Sunflower Counties. In recent years pressures have not declined so rapidly as those in the Wilcox strata, probably because development in the Wilcox is more recent.

The upper Basic City shale member of the Tallahatta formation contains important sand lenses which yield water throughout the east-central part of the plain. The decline of pressure in recent years has been small compared to the earlier decline. Apparently many of the earlier wells which were developed in these lenses and in the overlying Winona sand caused a loss in pressure by subsurface leakage from the Basic City member to the Winona sand.

The Winona sand produces water in the same areas as the underlying Basic City member. Pressure decline has been greater in this sand (34 feet before 1938) than in the other aquifers. The loss of head seems to be due to three causes; namely, 1) early and intensive development beginning with the first artesian well on the plain, 2) wedging out of the sand in all directions from the developed area except toward the outcrop, and 3) the hydrologic properties of the

glauconitic phases, which seem to yield water from storage without important replenishment. The "hardening" of this sand and of the underlying Basic City shale member has been noted by drillers who first penetrated them and who have continued to drill in this area.

The Kosciusko sand of the Claiborne is potentially an exceedingly important aquifer. During Quaternary time this aquifer was truncated in the eastern part of the plain, and much of it now lies directly under alluvial gravels. Circulation of water between the alluvium and the Kosciusko sand has reduced dissolved solids in the water of that sand; and the total decline of pressure, as a result of flowing wells, has been only on the order of 20 feet. Large users in the eastern and central parts of the plain could utilize this hydrologic system, even to the point of reversing the present flow of water from the alluvium into the Kosciusko. Such pumping should produce water of uniform quality and temperature. After a few years the gradients might become established and the water levels would no longer decline, in a manner analogous to the situation at Camp Shelby, Forrest County, where valley gravels furnish water to a Miocene aquifer.[37]

Much that applies to the Kosciusko sand might be said about the Cockfield formation, which supplies water in the western and southern parts of the plain. Although the Cockfield sands are confined, wells drilled into them do not flow and the piezometric surface seems to parallel the surface of the plain except in the vicinity of Greenville. Because the Cockfield water does not flow, there has been no large waste of flowing water and corresponding decline of pressure such as are so characteristic of the older aquifers under the plain.

As wells continue to flow the pressures diminish and waste decreases. Much is to be gained, however, by keeping wells in repair both at the surface and in the aquifer. The wide-spread use of multiple screens, slotted pipes, or open-bottom wells has caused the pressure surfaces to merge at the expense of the higher pressures. Doubtless this has retarded decline in the sands of lower pressure. It is probably too late effectively to remedy the equalization of the pressure, but new wells should be confined to one sand wherever possible. Where wells are properly constructed and closed at the top for intermittent use, pressure equalization might continue at an increasing rate if screens are placed in more than one sand.

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TABLE 2

MECHANICAL ANALYSES AND COEFFICIENTS OF PERMEABILITY OF WATER-BEARING SANDS FROM OUTCROPS AND WELLS IN NORTHWESTERN MISSISSIPPI

Location	Geologic horizon	Outcrop Samples: Diameter of screen openings on which percentage figures each fraction rests							
		2.0 mm. Granule gravel	1.0 mm. Very coarse sand	0.5 mm. Coarse sand	0.25 mm. Medium sand	0.125 mm. Fine sand	0.062 mm. Very fine sand	0.00 mm. Silt, Clay	Lab. coeff. permeability*
Road cut SE.1/4 Sec.20, T.6 N., R. 15E., Lauderdale County. Stop 5, p.4, Claiborne and Wilcox field trip, Miss. Geol. Society March 9 & 10, 1940	At the top of the Meridian sand, near type locality	0.14	0.43	3.91	21.56	64.62	6.58	2.50	48
Road cut SE.1/4 Sec.20, T.6 N., R. 15E., Lauderdale County. Stop 5, p. 4, Guidebook of Claiborne and Wilcox field trip, Miss. Geol. Society March 9 & 10, 1940	About 10 feet beneath the top of the Meridian sand member	0.00	0.30	9.91	57.17	31.16	1.01	0.25	897
Sand quarry 2.2 miles east of Eskridge, Montgomery County	From a sand lens near the middle of the Basic City shale member	0.00	0.07	0.84	27.44	61.41	8.97	1.02	222
Stop 4, p.3, Claiborne-Wilcox Guidebook. About 4 feet below base of McSwain Bluff, SW.1/4, Sec.30, T.23 N., R.4 E, Grenada County	About 13 feet below the top of the Basic City shale member	0.15	0.11	0.39	20.45	70.19	7.69	0.83	128
In quarry on U. S. Highway 82, 3.8 miles east of junction at Winona SE.1/4, Sec.28, T.19 N., R.6 E.	Massive red sand 63 feet beneath top of Winona sand	0.02	0.04	1.28	52.71	42.17	3.15	0.49	372
South side of U. S. Highway 82, 3.8 miles east of junction at Winona, SE.1/4, Sec.28, T.19 N., R.6 E.	Glauconitic sand 15 feet beneath top of Winona sand	0.08	1.10	12.45	51.93	31.48	1.89	0.88	69
In road cut 7.5 miles north of Decatur, Sec.7, T.8 N., R.12 E., Newton County	Glauconitic and dark red sand near the top of the Winona sand	0.46	4.94	18.30	50.64	22.21	2.30	0.86	98
In quarry NW.1/4, Sec.4, T.19 N., R.5 E., Montgomery County	Near the base of the Kosciusko sand	.00	0.04	21.14	72.01	4.92	0.81	0.97	2511
North wall spillway cut north end of Sardis dam, Panola county	About 15 feet above the base of the Kosciusko sand	0.36	3.79	33.46	55.13	6.79	0.23	0.09	397
Cut on State Highway 15, at Decatur	Yellow and red sand near the middle of the Kosciusko sand	0.01	0.19	1.92	18.89	63.90	12.29	2.51	42
Road cut SE.1/4, Sec.23, T.6 N., R.11 E., Stop 2, p.1 Claiborne-Wilcox Guidebook. Newton County	Glauconitic sand from near the middle of the Wautubbee clay	0.09	0.94	38.43	48.44	10.33	0.96	0.32	6

*Meinzer Units.

TABLE 2—(Continued)

Well	Depth, Sample	Geologic horizon	Rotary Cuttings Diameter of screen openings on which percentage figures each fraction rests							
			2.0 mm. Granule gravel	1.0 mm. Very coarse sand	0.5 mm. Coarse sand	0.25 mm. Medium sand	0.125 mm. Fine sand	0.062 mm. Very fine sand	0.00 mm. Silt, Clay	Lab. coeff. permeability
Coahoma County										
11 NW.1/4, SW.1/4, Sec.7, T.29 N., R.2 W	140– 160	River alluvium	.....	.....	.....	.....	.....	.....	.....	301
Roseacres Plantation	– 180	River alluvium	12.62	38.28	25.31	18.71	3.33	0.96	0.53	1809
12 SW.1/4, NW.1/4, Sec.15, T.29 N., R.3 W	580– 600	Kosciusko sand	0.00	0.03	51.16	42.64	4.96	0.83	0.28	1123
Moon Lake Plantation	-1280	Lower Wilcox	0.05	0.30	1.05	15.99	71.55	7.59	3.35	244
DeSoto County										
12 SW.1/4, NE.1/4, Sec.2, T.4 S., R.9 W	298	Kosciusko sand (?)	0.09	3.27	14.00	65.23	16.32	0.63	0.23	1002
Arkabutla drill hole										
Humphreys County										
56 NE.1/4, NE.1/4, Sec.15, T.13 N., R.4 W	846– 909	Kosciusko sand	0.00	0.04	0.33	6.65	79.03	3.13	7.30	429
Town of Louise										
Issaquena County										
16 SW.1/4, SE.1/4, Sec.13, T.11 N., R.9 W	– 777	Kosciusko sand	0.08	0.40	1.25	51.10	45.31	1.22	0.53	569
L. E. Mann	– 798	Kosciusko sand	0.27	0.49	1.59	45.21	49.67	2.07	0.20	577
	– 839	Kosciusko sand	0.13	0.53	1.31	31.78	61.38	3.91	0.79	418
	– 881	Kosciusko sand	0.44	0.68	0.56	37.39	58.48	1.94	0.38	665
	– 901	Kosciusko sand	0.00	0.08	0.39	79.27	18.82	1.03	0.38	789
	-1007	Kosciusko sand	0.00	0.01	1.12	78.42	18.91	1.01	0.30	967
	-1154	Kosciusko sand	0.00	0.08	2.26	60.54	35.21	1.07	0.20	912
	-1174	Kosciusko sand	0.07	0.18	1.10	40.46	55.11	2.61	0.38	532
	-1196	Kosciusko sand	0.00	0.05	1.64	18.13	74.10	5.02	0.99	435
	-1214	Kosciusko sand	0.00	0.00	0.88	27.33	67.51	3.35	0.77	429
	-1233	Kosciusko sand	0.00	0.14	0.79	21.04	69.59	5.90	2.46	108
LeFlore County										
176 NE.1/4, SW.1/4, Sec.26, T.19 N., R.2 W	738– 799	Meridian sand	0.00	0.02	0.35	40.31	51.16	6.72	0.27	436
J. L. Wood										
Panola County										
3a SW.1/4, SW.1/4, Sec.10, T.7 S., R.7 W	299– 319	Kosciusko sand	0.00	0.05	0.16	8.79	77.68	12.12	1.21	267
Como Internment Camp										
13 NW.1/4, SE.1/4, Sec.5 T.9 S., R.6 W	0– 20	Terrace deposits	16.53	5.28	10.29	40.27	22.78	2.23	2.53	330
Lynn sand and Gravel Co.	80– 100	Kosciusko sand	0.00	0.01	0.35	22.85	69.72	5.77	1.16	420
	180– 200	Meridian sand	0.00	0.25	4.61	54.32	35.50	4.32	0.89	400
	200– 220	Meridian sand	0.00	0.00	0.87	12.77	68.74	15.85	1.86	230
	220– 240	Meridian sand	0.30	0.57	12.47	36.17	45.39	4.52	0.76	450
	240– 260	Meridian sand	0.00	0.00	4.50	30.26	57.51	6.48	1.05	380

TABLE 2—(Continued)

Well	Depth, Sample	Geologic horizon	Rotary Cuttings Diameter of screen openings on which percentage figures each fraction rests							
			2.0 mm. Granule gravel	1.0 mm. Very coarse sand	0.5 mm. Coarse sand	0.25 mm. Medium sand	0.125 mm. Fine sand	0.062 mm. Very fine sand	0.00 mm. Silt, Clay	Lab. coeff. permeability
	260– 280	Meridian sand	0.00	0.09	2.59	40.41	53.96	3.02	0.09	640
	280– 300	Meridian sand	0.00	0.04	9.76	36.81	48.29	4.76	0.24	740
	300– 320	Meridian sand	0.00	0.04	6.86	35.10	53.19	4.53	0.20	580
	320– 340	Meridian sand	0.00	0.04	4.60	60.55	31.04	3.51	0.26	990
	340– 360	Meridian sand	0.00	0.11	11.05	66.71	19.70	2.08	0.22	1320
	360– 366	Meridian sand	0.00	0.19	4.98	77.90	14.57	2.12	0.24	1250
Sunflower County										
93 NW.1/4, NE.1/4, Sec.34 T.20 N., R.3 W.	– 40	River alluvium	0.68	1.56	18.94	57.50	19.37	0.73	0.47	381
Noel Morgan	– 80	River alluvium	1.15	2.63	33.14	52.29	9.23	0.33	0.66	134
	– 120	River alluvium	0.99	1.86	5.68	33.92	54.99	2.59	0.53	535
	– 160	Cockfield formation	0.13	0.55	6.08	68.68	23.33	0.70	0.27	509
	– 279	Cockfield formation	0.25	0.57	2.31	43.99	51.34	0.85	0.54	274
	– 360	Cockfield formation	0.24	0.42	2.37	46.99	46.73	2.55	0.50	541
	– 396	Cockfield formation	0.70	0.63	2.05	17.52	73.72	3.54	0.88	506
	– 420	Cockfield formation	0.24	0.39	6.11	50.36	40.07	2.03	0.38	589
	– 564	Cockfield formation	0.00	0.10	1.84	7.48	84.54	5.38	0.59	508
	– 628	Cockfield formation	0.00	0.13	1.74	44.94	51.47	0.92	0.64	361
	– 672	Cockfield formation	0.13	0.13	4.34	51.79	39.52	2.73	0.79	608
	– 795	Winona sand	2.31	5.23	8.28	48.58	32.73	1.76	0.86	179
	– 817	Winona sand	1.78	3.12	5.25	43.75	40.68	4.29	0.95	359
	–1023	Basic City shale	2.15	2.20	2.73	27.45	59.05	4.78	0.76	353
Tallahatchie County										
68 NW.1/4, NE.1/4, Sec.11 T.24 N., R.2 W.	10– 20	River alluvium	73.45	11.76	7.53	4.37	1.66	0.80	0.42	4211
Town of Sumner	20– 30	River alluvium	.....	.....	.....	.....	.....	.....	.....	979
	30– 40	River alluvium	0.00	0.10	9.00	69.64	20.64	0.41	0.20	808
	40– 50	River alluvium	0.18	0.45	28.26	68.67	2.00	0.34	0.19	352
	50– 60	River alluvium	.....	.....	.....	.....	.....	.....	.....	265
	60– 70	River alluvium	0.00	0.33	35.27	60.49	3.41	0.16	0.29	.....
	70– 80	River alluvium	5.40	30.60	32.18	24.32	4.10	1.69	1.70	46
	90– 100	River alluvium	0.67	5.52	40.10	48.24	4.74	0.33	0.25	1315
	160– 170	River alluvium	65.70	33.63	0.08	0.08	0.07	0.06	0.17	10,000+
	170– 180	River alluvium	0.63	9.62	9.34	54.91	23.22	1.24	0.85	752
	370– 380	Kosciusko sand	0.05	0.17	1.12	15.21	64.71	16.96	1.67	260
	405– 430	Kosciusko sand	0.09	0.48	3.30	14.33	72.38	8.69	0.60	349
	860– 930	Meridian sand	0.60	0.24	0.36	1.12	19.33	36.61	42.24	71
	1072–1082	Meridian sand	0.94	1.11	1.83	4.67	54.26	23.88	13.00	48
	1092–1102	Meridian sand	0.00	0.45	0.29	7.18	82.85	7.03	2.81	96
	1102–1112	Meridian sand	0.04	0.08	0.42	6.79	81.20	7.28	3.83	.....
	1112–1122	Meridian sand	0.19	0.38	0.75	4.79	77.61	8.37	7.71	448
	1122–1132	Meridian sand	0.32	0.45	0.91	5.51	66.56	13.87	11.96	98
	1132–1142	Meridian sand	0.00	0.05	0.59	15.24	79.17	4.29	0.79	213
	1142–1152	Meridian sand	0.00	0.08	0.15	4.11	75.24	14.38	5.97	64
	1152–1168	Meridian sand	0.37	0.59	2.67	19.41	70.44	4.54	1.32	380

TABLE 2—(Continued)

Well	Depth, Sample	Geologic horizon	Rotary Cuttings: Diameter of screen openings on which percentage figures each fraction rests							
			2.0 mm. Granule gravel	1.0 mm. Very coarse sand	0.5 mm. Coarse sand	0.25 mm. Medium sand	0.125 mm. Fine sand	0.062 mm. Very fine sand	0.00 mm. Silt, Clay	Lab. coeff. permeability
	1480–1490	Lower Wilcox sand	0.00	0.21	0.26	6.18	50.29	31.59	11.32	138
	1490–1500	Lower Wilcox sand	0.00	0.16	0.17	3.99	46.42	35.63	13.31	260
	1500–1510	Lower Wilcox sand	0.00	0.60	0.73	7.01	45.95	31.22	14.20	.....
	1550–1560	Lower Wilcox sand	0.06	0.59	0.50	4.61	46.73	32.70	14.43	195
	1610–1620	Lower Wilcox sand	0.00	0.20	0.36	51.66	44.81	1.73	1.15	767
	1620–1630	Lower Wilcox sand	0.00	0.25	0.26	33.05	61.58	4.02	1.71	510
	1630–1640	Lower Wilcox sand	0.00	0.11	0.43	52.88	44.18	1.51	0.79	575
	1640–1650	Lower Wilcox sand	0.00	0.04	0.26	45.66	52.33	1.37	0.33	487
	1650–1660	Lower Wilcox sand	0.00	0.01	0.21	29.96	65.77	3.07	0.65	487
	1660–1670	Lower Wilcox sand	0.00	0.17	0.81	55.33	41.15	1.29	1.10	744
Tunica County										
16 SW.1/4, SE.1/4, Sec.2, T.5 S., R.11 W	– 540	Kosciusko sand	0.00	0.68	16.35	51.54	28.94	1.74	0.68	653
Castle Plantation	–1710	Lower Wilcox sand	0.00	0.34	1.40	9.42	49.44	18.64	20.52	.....
	–1770	Lower Wilcox sand	0.35	0.18	0.26	5.58	66.92	12.41	14.05	278
19 SW.1/4, SE.1/4, Sec.35 T.5 S., R.12 W	1662–1680	Lower Wilcox sand	0.22	1.50–	3.61	3.32	63.19	25.78	2.15	102
E. M. Hood	1682–1695	Lower Wilcox sand	0.02	0.16	0.49	5.09	70.64	21.09	2.23	201
	1715–1762	Lower Wilcox sand	0.00	0.00	0.13	50.09	47.19	2.14	0.33	722
Warren County										
2 NE.1/4, SE.1/4, Sec.31 T.18 N., R.2 E	– 975	Cockfield formation	0.00	0.07	0.24	2.89	82.27	13.60	0.71	383
T. M. Morrissey	– 997	Cockfield formation	0.00	0.26	0.52	5.12	57.70	36.19	5.15	179
	–1017	Cockfield formation	0.00	0.23	0.34	3.66	48.30	40.81	6.96	170
	–1060	Cockfield formation	0.00	0.45	0.10	2.20	88.96	8.47	0.34	402
	–1081	Cockfield formation	0.00	0.63	0.50	6.85	83.99	7.63	0.91	310
	–1124	Cockfield formation	0.00	0.00	0.36	6.73	79.74	12.16	0.76	430
	–1415	Kosciusko sand	0.00	0.03	0.92	10.13	83.25	5.23	0.43	520
	–1436	Kosciusko sand	0.00	0.45	1.03	53.54	43.29	2.57	0.29	882
	–1741	Kosciusko sand	0.00	0.00	0.30	78.54	20.95	0.06	0.06	1543
Washington County										
48b NE.1/4, NW.1/4, Sec.7 T.17 N., R.8 W	1055–1115	Kosciusko sand	0.00	0.04	0.57	2.60	70.93	18.35	7.21	50
E. H. Fisher										
71 SW.1/4, SE.1/4, Sec.6 T.15 N., R.6 W	320– 410	Cockfield formation	0.12	1.09	2.78	20.73	54.62	15.09	5.33	100
Town of Hollandale	1624–1690	Meridian sand	0.67	2.62	6.94	34.74	44.76	8.05	2.02	.....
80 NE.1/4, SE.1/4, Sec.20 T.15 N., R.6 W	290– 300	Cockfield formation	0.00	0.00	0.01	0.17	17.16	71.56	8.71	428
M. A. Treadway	440– 450	Cockfield formation	0.44	2.54	8.78	26.69	35.67	14.77	10.95	210
	760– 770	Kosciusko sand	0.37	0.30	10.99	66.86	16.37	1.79	3.02	413
	770– 778	Kosciusko sand	0.00	0.03	7.16	70.75	19.75	1.42	0.00	.....
93a NW.1/4, NW.1/4, Sec.3 T.14 N., R.9 W	970–1035	Kosciusko sand	0.81	0.09	13.77	76.80	8.79	0.24	0.13	6469
D. C. Miller										

TABLE 2—(Continued)

Well	Depth, Sample	Geologic horizon	Rotary Cuttings: Diameter of screen openings on which percentage figures each fraction rests — 2.0 mm. Granule gravel	1.0 mm. Very coarse sand	0.5 mm. Coarse sand	0.25 mm. Medium sand	0.125 mm. Fine sand	0.062 mm. Very fine sand	0.00 mm. Silt, Clay	Lab. coeff. permeability
Yazoo County										
3 NE.1/4, SE.1/4, Sec.24 T.13 N., R.2 W	700– 788	Kosciusko sand	0.00	0.02	0.10	2.45	81.47	13.67	2.16	244
F. O. Seward										
13a SE.1/4, SE.1/4, Sec.22 T.12 N., R.5 W	1086–1167	Kosciusko sand	0.00	0.07	8.39	83.59	7.60	0.16	0.09	1449
J. W. Downer										
SW.1/4, NE.1/4, Sec.32 T.12 N., R.2 W	– 111	Alluvium	0.10	0.03	0.25	39.79	52.77	6.40	0.55	358
Yazoo City	122– 137	Alluvium	0.05	0.12	0.64	18.68	68.31	10.65	1.33	261
	147– 157	Alluvium	0.00	0.00	0.26	21.63	71.30	5.94	0.83	397
	167– 170	Alluvium	0.15	2.15	21.85	61.17	13.25	1.02	0.23	885
	177– 187	Alluvium	0.95	17.85	23.83	48.98	7.64	0.55	0.15	1092
	187– 197	Alluvium	0.22	1.73	19.85	67.50	9.98	0.50	0.09	961
	197– 207	Alluvium	0.29	8.89	28.34	41.31	19.01	1.64	0.33	507
	207– 217	Alluvium	0.00	0.62	9.75	50.72	34.88	3.52	0.31	542
32 SW.1/4, NE.1/4, Sec.8 T.11 N., R.5 W	1111–1151	Kosciusko sand	1.28	0.48	0.65	23.71	43.94	12.55	17.18	27
J. T. Montgomery										
38a. NW.1/4, SW.1/4, Sec.11, T.10 N., R.4 W	423– 443	Cockfield formation	0.00	0.01	0.12	9.35	88.05	2.26	0.10	636
J. J. Peaster	1172–1192	Kosciusko sand	0.00	0.03	0.03	0.44	45.47	44.31	9.72	279
	1312–1332	Kosciusko sand	0.00	0.00	0.04	0.39	72.89	21.72	4.58	238
	1332–1352	Kosciusko sand	0.00	0.07	0.20	1.31	88.35	8.89	1.09	453

*The coefficient of permeability in Meinzer's units is the rate of flow, in gallons a day, through each foot of thickness of the water-bearing bed in a width of one mile and under a hydraulic gradient of one foot per mile, at a temperature of 60° F. Where multiplied by the thickness and viscosity corrected to the actual temperature in the water-bearing bed it becomes the coefficient of transmissibility, a measure of the property of the bed as a whole to yield water.

TABLE 3

CHEMICAL ANALYSES OF WATER FROM SAND OF THE LOWER WILCOX OF NORTHWESTERN MISSISSIPPI (Parts per Million)

Well	Owner or Name	Depth Well (feet)	Total hardness	Bicarbonate (HCO_3)	Chloride (Cl)	Sulphate (SO_4)	Fluoride (F)	Iron (Fe)	Silica (SiO_2)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Total dissolved solids
Coahoma County															
11	Norfleet & Wilsford	1837	< 5	284	86	1	0.6	.....	.....	.....	.....	.....	.....	.....	.....
12	Norfleet & Wilsford	1821	< 5	339	114	1	.....	1[a]	.....	.....	.....	.....	.....	.....	.....
32	County of Coahoma	2000(?)	9	410	221	1	1.6	.....	.....	.....	.....	.....	.....	.....	.....
	Clarksdale Planting Co.		6	408	139	0.4	.....	0.9	.....	.....	.....	.....	.....	.....	.....
DeSoto County															
3	H. P. Sullivan	1525	16	109	1	3	0.4	.....	.....	.....	.....	.....	.....	.....	.....
6[b]	Mrs. J. C. Brantley	2120	15	449	258	2.6	.....	2.1	6.2	5.2	0.5	356	.....	19	893
8	I. A. Clements	1800	9	118	1	2	0.4	.....	.....	.....	.....	.....	.....	.....	.....
Grenada County															
12	Grade School	983	16	538	288	1	0.4	.....	.....	.....	.....	.....	.....	.....	.....
LeFlore County															
149	City of Greenwood	1920	34	589	367	6.5	.....	1.2[c]	11	8.8	2.9	448	.....	.....	1138
Panola County															
2	Town of Crenshaw	1420	12	230	30	1	0.2	.....	.....	.....	.....	.....	.....	.....	.....
14	Town of Batesville	1036	4	220	12	0.8	0.4	.06	1.3	1.2	0.2	86	3.3	.....	225
15	Town of Batesville	1040	.....	173	14	1	.....	1.22	8.7	3.2	1.0	67	.....	.....	180
Quitman County															
1	Town of Sledge	1460	9	286	46	1	0.3	.....	.....	.....	.....	.....	.....	.....	.....
21	W. R. Harrington	1589	10	488	209	1	1.4	.....	.....	.....	.....	.....	.....	.....	.....
22	L. J. Barksdale	1603	21	598	785	1	0.8	.....	.....	.....	.....	.....	.....	.....	.....
Tallahatchie County															
68	Town of Sumner	1680	17	661	725	1.7	1.8	.09	12	4.5	1.4	704	9.8	.....	1814
Tunica County															
1	Gus Neely	1650	8	135	3	2	0.2	.....	.....	.....	.....	.....	.....	.....	.....
2	K. & B. B. Stevenson	1638(?)	< 5	115	1	3	0.0	.....	.....	.....	.....	.....	.....	.....	.....
17	G. D. Perry, Sr.	1806	< 5	241	32	1	0.4	.....	.....	.....	.....	.....	.....	.....	.....
19	E. M. Hood	1783	< 5	241	20	1	0.4	.....	.....	.....	.....	.....	.....	.....	.....
23	G. D. Perry, Jr.	1690	< 5	206	13	1	0.2	0.1[a]	.....	.....	.....	.....	.....	.....	.....

a—Iron in solution
b—Questionably from lower Wilcox sand
c—Iron and aluminum oxides
Analyses: DeSoto 3, 8; Grenada 12; Coahoma 11, 32; Panola 2; Quitman 1, 21, 22; Tallahatchie 68; Tunica 1, 2, 17, and 19 by Margaret D. Foster and G. J. Petretic, U. S. Geological Survey
Analyses: Coahoma 12, Panola 14, and Tunica 23 by Margaret D. Foster, U. S. Geological Survey
Analyses: Coahoma, Clarksdale Planting Co., DeSoto 6, and Panola 15 by Mississippi State Chemical Laboratory

TABLE 4

CHEMICAL ANALYSES OF WATER FROM THE MERIDIAN SAND MEMBER OF THE TALLAHATTA FORMATION OF NORTHWESTERN MISSISSIPPI

(Parts per Million)

Well	Owner or Name	Depth Well (feet)	Total hardness	Bicarbonate (HCO_3)	Chloride (Cl)	Sulphate (SO_4)	Fluoride (F)	Iron (Fe)	Silica (SiO_2)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Total dissolved solids
Bolivar County															
3	Town of Duncan	1249	< 5	301	37	1	3.7	.....	.....	.....	.....	.....	.....	.....	.....
4	J. M. Harris	1530	< 5	400	62	1	0.0	.....	.....	.....	.....	.....	.....	.....	.....
5	Delta Planting Co.	1750(?)	< 5	601	407	1	0.0	.....	.....	.....	.....	.....	.....	.....	.....
15[a]	Town of Shelby	1565	8	468	105	5.4	.....	.7	16	3.1	0.1	.....246.....		.....	621
16	J. A. Bert	1748	7.5	758	361	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
18	Town of Gunnison	1738	< 5	741	459	2	0.0	.....	.....	.....	.....	.....	.....	.....	.....
35	Town of Beulah	1760	< 5	695	16	1	0.0	.....	.....	.....	.....	.....	.....	.....	.....
Coahoma County															
2[a]	Town of Lula	1032	26	146	5	9	.....	.9	34	7	2	.....50[b].....		.....	180
10	Memphis Nat. Gas Co.	1045	< 5	133	3	1	0.2	.....	.....	.....	.....	.....	.....	.....	.....
24	Jonestown	1080	< 5	182	24	1	0.4	.....	.....	.....	.....	.....	.....	.....	.....
38	Sherard	1487	15	517	341	1	1.6	.....	.....	.....	.....	.....	.....	.....	.....
39	Coahoma Stave Mill	1469	12	574	482	1	.....	0.1[c]	.....	.....	.....	.....	.....	.....	.....
43[a]	City of Clarksdale	1502	4	354	52	2.5	.....	2.6	78	0.6	0.6	.....168[b].....		.....	474
52	J. W. Baugh & Sons	1442	< 5	398	75	4	0.7	.....	.....	.....	.....	.....	.....	.....	.....
Grenada County															
4	James Steele		39	163	8	1	0.4	.....	.....	.....	.....	.....	.....	.....	.....
Holmes County															
32	W. M. Unger	1140	3.3	252	5.4	5.5	.....	.2	41	1.0	0.2	97	5.9	.....	280
46[b]	Town of Lexington	1125	6.5	160	2.2	13	.....	.2	17	1.6	0.6	64	3.6	.....	184
59	M. L. Smith	1597	< 5	275	2	1	0.6	.....	.....	.....	.....	.....	.....	.....	.....
Humphreys County															
5	M. L. Wilkerson	1806	12	1120	4	1	2.6	.....	.....	.....	.....	.....	.....	.....	.....
10	Wister Henry	1627	< 5	427	5	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
41	C. D. Nixon	1790	< 5	545	3	1	1.4	.....	.....	.....	.....	.....	.....	.....	.....
Lafayette County															
	Town of Oxford	144	21	38	9	3.5	.....	.2	19	4.2	2.5	.....24.....		12	98
LeFlore County															
12[d]	L. J. MacDuff		25	228	8	3.4	.....	0.5	39	3.2	4.2	.....94.....		14	275
130	R. L. Pillow	877	< 5	223	1	6	0.2	.....	.....	.....	.....	.....	.....	.....	.....
147	City of Greenwood	800	3.8	218	2.8	5.8	0.4	.04	15	1.2	0.2	84	2.7	.....	217
148[d]	City of Greenwood	760	3	193	8	6.2	.....	1.4	13	0.9	0.2	.....83.....		10	211
Panola County															
10[a]	R. W. Milan	496	70	98	1	7	0.0	.....	.....	.....	.....	.....	.....	.....	.....
12	Lynn Sand & Gravel Co.	170	24	29	1	5	0.0	.....	.....	.....	.....	.....	.....	.....	.....
13	Lynn Sand & Gravel Co.	365	28	34	4	3	0.0	2.1	.....	.....	.....	.....	.....	.....	.....
28[a]	M. H. Tolliver	475	33	105	1	5	0.0	.....	.....	.....	.....	.....	.....	.....	.....
30[a]	Mr. J. Renfro	172	54	89	1	7	0.1	.....	.....	.....	.....	.....	.....	.....	.....

TABLE 4—(Continued)

Well	Owner or Name	Depth Well (feet)	Total hardness	Bicarbonate (HCO_3)	Chloride (Cl)	Sulphate (SO_4)	Fluoride (F)	Iron (Fe)	Silica (SiO_2)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Total dissolved solids
Quitman County															
11	C. E. Downing	880	26	161	7	4.4	.....	.6	40	3.5	4.3	.....	55[b]	.....	194
14	Dr. J. E. Furr	878	14	121	1	4	0.0	.....	.....	.....	.....	.....	.....	.....	.....
16	Town of Marks	895	5.4	113	1.7	3.9	.....	1.3	25	1.5	0.4	40	3.2	.....	131
37	Town of Lambert	935	24	140	3.0	4.3	.....	1.4	26	6.8	1.7		51[b]	.....	178
93	E. Q. Vance	1063	< 5	311	121	4	.....	.3[c]	.....	.....	.....	.....	.....	.....	.....
Sunflower County															
11	State Prison	1284	6	382	20	1	1.1	.....	.....	.....	.....	.....	.....	.....	.....
24	Sunflower Plantation	1385	< 5	336	4	1	0.7	.....	.....	.....	.....	.....	.....	.....	.....
29[d]	P. H. Brooks & Co.	1100	< 5	274	3	1	0.5	.....	.....	.....	.....	.....	.....	.....	.....
30[a]	Town of Drew	1482	9	464	20	1	0.0	.....	.....	.....	.....	.....	.....	.....	.....
42	J. R. Dockery	1290	< 5	341	1	1	2.0	.....	.....	.....	.....	.....	.....	.....	.....
96[a]	Town of Indianola	1763	8	509	6	1	0.6	.....	.....	.....	.....	.....	.....	.....	.....
115	Town of Inverness	1708	5.6	478	7.2	0.5	.....	0.15	17	1.6	0.4	178	7.4	.....	446
Tallahatchie County															
11	Town of Vance	720	45	298	16	29	.....	.5	35	16	1.2	.....	120	.....	366
47	Camp Tallaha	550	9	117	1	8	0.0	.....	.....	.....	.....	.....	.....	.....	.....
Tunica County															
14	Town of Tunica	865	5	106	3.8	0.7	.....	1.7[e]	33	1.2	0.5	38	3.3	.....	135[b]
22	Mrs. Ada Riley	1200	< 5	138	4	1	0.2	0.1[e]	.....	.....	.....	.....	.....	.....	.....
Washington County															
43	W. B. Swain, Inc.	2106	< 5	707	18	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
65	W. D. Atterbury	1950	6	868	106	1	1.2	.....	.....	.....	.....	.....	.....	.....	.....
71	Town of Hollandale	1690	< 5	795	86	1	1.4	.....	.....	.....	.....	.....	.....	.....	.....
75	LeRoy Percy Park		4.4	908	127	0.5	1.0	.01	17	1.1	0.4	410	11	.....	1029
103	Glen Allan Oil Mill	1786	9.4	1177	309	0.8	2.4	.08	17	2.6	0.7	628	14	.....	1571

a—Includes water from overlying Basic City shale member of the Tallahatta formation
b—Calculated
c—Iron in solution
d—Questionably from the Meridian sand
e—Includes aluminum oxides

Analyses: Bolivar 3, 4, 5, 18, 35; Coahoma 10, 24, 38, 52; Grenada 4; Holmes 59; Humphreys 5, 41; LeFlore 130; Panola 10, 12, 28, 30; Quitman 14; Sunflower 11, 24, 29, 30, 42, 96; and Tallahatchie 47, by Margaret D. Foster and G. J. Petretic, U. S. Geological Survey
Analyses: Bolivar 15; Coahoma 43; LeFlore 148, by W. F. Hand, Mississippi State Chemical Laboratory
Analyses: Bolivar 16; Coahoma 39; Holmes 32, 46b; Humphreys 10; LeFlore 147; Panola 13; Quitman 16, 93; Sunflower 115; Tunica 22, Washington 43, by Margaret D. Foster, U. S. Geological Survey
Analyses: Coahoma 2; LeFlore 12; Quitman 11, 37; Tallahatchie 11; by W. L. Kennon, University of Mississippi
Analyses: Lafayette County by C. S. Howard, U. S. Geological Survey; Tunica 14, by W. R. Perkins; Washington 75, by W. M. Noble, U. S. Geological Survey

TABLE 5

CHEMICAL ANALYSES OF WATER FROM THE BASIC CITY SHALE MEMBER OF THE TALLAHATTA FORMATION IN NORTHWESTERN MISSISSIPPI

(Parts per Million)

Well	Owner or Name	Depth Well (feet)	Total hardness	Bicarbonate (HCO_3)	Chloride (Cl)	Sulphate (SO_4)	Fluoride (F)	Iron (Fe)	Silica (SiO_2)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Total dissolved solids
Bolivar County															
12	A. M. Wooten Estate	1045	12	583	6.5	1.3	.....	1.5	25	4.0	0.6	.....239.....		19	603
48[a]	T. R. Handley	1516	3.3	477	10	1.6	.....	.24	36	1.0	0.2	181	3.4	.....	473
66[a]	Town of Shaw		9	732	7	1	0.0	.....	.....	.....	.....	.....	.....	.....	.....
Carroll County															
11[a]	Lynn Sand & Gravel Co.	430	18	197	4	6	0.2	.....	.....	.....	.....	.....	.....	.....	.....
Holmes County															
40[a]	Town of Tchula	1051	6	599	5.1	0.2	.....	.....	41	2.0	0.3	226	2.2	.....	573
54[a]	W. E. Jones Estate	1200(?)	39	112	4	4	0.0	.....	.....	.....	.....	.....	.....	.....	.....
Humphreys County															
20	Erby Turner	1545	24	977	1	1	2.8	.....	.....	.....	.....	.....	.....	.....	.....
LeFlore County															
60	Mrs. D. B. Jameson	816	6	209	5.1	2.3	.....	0.15	51	1.0	0.8	.....108.....		35	308
125	S. J. Steen	973	9	288	1	1	1.8	.....	.....	.....	.....	.....	.....	.....	.....
177	E. L. Fondren	901	< 5	246	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sunflower County															
51	C. A. Lusk	1289	< 5	346	1	1	2.4	.....	.....	.....	.....	.....	.....	.....	.....
60	E. L. Colman	1180	10	301	1	1	1.7	.....	.....	.....	.....	.....	.....	.....	.....
79	Town of Sunflower	1268	< 5	298	1	1	1.6	.....	.....	.....	.....	.....	.....	.....	.....
Tallahatchie County															
140	M. P. Sturdivant	650	5	298	18	2	.....	.85[b]	30	1.1	0.6	122	2.0	.....	326
171	Phillip Stave Mill	613	.....	256	0.5	1.2	.....	1.05	17.5	.7	.6	.....96.....		.....	264
Tate County															
1	J. N. Fewell	840	28	52	1	9	0.0	.....	.....	.....	.....	.....	.....	.....	.....
Tunica County															
21	C. H. Bradshaw	880	26	120	1	6	.0	.....	.....	.....	.....	.....	.....	.....	.....
Washington County															
7	Mrs. A. Bridges	1700	< 5	1176	53	1	2.2	.....	.....	.....	.....	.....	.....	.....	.....
22	V. L. Weilenman	1850	12	669	6.1	1.7	.....	0.14	34	2.3	1.5	.....278.....		34	688
42	W. B. Swain, Inc.	1677	17	895	9.0	1.0	.....	4.3	40	4.6	1.4	.....368.....		34	908
48	J. H. Aldridge	1924	79	1552	12	29	.....	0.5	25	12	12	.....651.....		79	1591

a—Possibly includes water from Winona sand
b—Includes iron and aluminum oxides
Analyses: Bolivar 12; Tallahatchie 171; Washington 42 by Mississippi State Chemical Laboratory
Analyses: Bolivar 66; Carroll 11; Holmes 54; Humphreys 20; LeFlore 125; Sunflower 51, 60, and 79; Tate 1; Tunica 21; Washington 7 by Margaret D. Foster and G. J. Petretric
Analyses: Bolivar 48; Washington 22 by Margaret D. Foster
Analyses: Holmes 40; Tallahatchie 140 by W. R. Perkins
Analysis: LeFlore 60 by Margaret D. Foster and Clara M. Forman
Analysis: Washington 48 by W. L. Kennon, University of Mississippi

TABLE 6

CHEMICAL ANALYSES OF WATER FROM THE WINONA SAND OF NORTHWESTERN MISSISSIPPI (Parts per Million)

Well	Owner or Name	Depth Well (feet)	Total hardness	Bicarbonate (HCO_3)	Chloride (Cl)	Sulphate (SO_4)	Fluoride (F)	Iron (Fe)	Silica (SiO_2)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Total dissolved solids
Bolivar County															
12[a]	A. M. Wooten Estate	1045	12	583	6.5	1.3	.....	1.5	25	4.0	0.6	.....239.....		19	603
Coahoma County															
42	Town of Clarksdale	780	26	366	26	1.2	.....	2.8	34	5.7	2.8	.....141.....		.....	378
45	Town of Clarksdale	760	51	346	64	4.9	.....	4.5	25	12	5.2	.....152.....		.....	474
Humphreys County															
23[a]	Gorden Lake School	1550	21	1106	4	1	2.7	.....	.....	.....	.....	.....	.....	.....	.....
LeFlore County															
47	R. L. Kirby	515	79	201	4	11	.....	0.4[b]	17	27	2.9	.....52.....		.....	275
193	Mr. Saunders	510	28	190	4	1.4	.....	0.05	26	9.2	1.1	.....60.....		.....	201
Sunflower County															
39	J. R. Dockery	960	5	487	15	1.2	.....	0.85[c]	25	1.2	0.4	185	13	.....	486[d]
41	J. R. Dockery	961	4	493	6.1	1.0	.....	0.75[c]	24	1.1	0.4	185	6.6	.....	474[d]
57	Doddville Land & Mer. Co.	820	8	518	3.8	3.6	.....	2.5[c]	21	2.5	0.5	192	6.5	.....	488[d]
77[a]	Mrs. K. W. Butler	1085(?)	7	650	4.6	2.2	.....	1.9[c]	42	1.4	0.9	246	1.7	.....	624[d]
87	W. T. Hull	900	8	814	4.6	1.8	.....	0.66[c]	15	1.4	1.2	306	3.5	.....	737[d]
94	Town of Indianola	1240	4	710	9.1	0.9	.....	1.0[c]	24	0.9	0.3	272	2.7	.....	666[d]
114	Town of Inverness	1250	92	718	24	1.1	.....	0.4	33	33	2.4	.....284.....		53	780
118	H. B. Tolar	1265	< 5	848	1	1	1.4	.....	.....	.....	.....	.....	.....	.....	.....
120	James Price	1475	< 5	866	1	1	2.4	.....	.....	.....	.....	.....	.....	.....	.....
122	J. W. Jones	1282	< 5	928	2	2	2.0	.....	.....	.....	.....	.....	.....	.....	.....
Tallahatchie County															
53	Federal Land Bank	350(?)	9	159	20	2	1.1	.....	.....	.....	.....	.....	.....	.....	.....

a—Questionably from the Winona sand
b—Includes iron and aluminum (Fe + Al)
c—Iron and aluminum oxides ($Fe_2O_3 + Al_2O_3$)
d—Calculated
Analyses: Bolivar 12; Coahoma 42, 45, LeFlore 193 by W. F. Hand, Mississippi State Chemical Laboratory
Analyses: Humphreys 23; Sunflower 118, 120, 122; Tallahatchie 53 by Margaret D. Foster and G. J. Petretic, U. S. Geological Survey
Analyses: Sunflower 39, 41, 57, 77, 87, and 94 by W. R. Perkins
Analyses: LeFlore 47; Sunflower 114 by W. L. Kennon, University of Mississippi

TABLE 7

CHEMICAL ANALYSES OF WATER FROM THE KOSCIUSKO SAND OF NORTHWESTERN MISSISSIPPI (Parts per Million)

Well	Owner or Name	Depth Well (feet)	Total hardness	Bicarbonate (HCO_3)	Chloride (Cl)	Sulphate (SO_4)	Fluoride (F)	Iron (Fe)	Silica (SiO_2)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Total dissolved solids
Bolivar County															
20	L. B. Wilkerson	1565(?)	78	593	3.5	5.2	.....	0.2[a]	27	18	8.0	.....192		24	570
37	Mrs. Henry Thomas	1347	< 5	366	2	1	0.6	.....	.....	.....	.....	.....	.....	.....	.....
Carroll County															
16	J. F. Cortner	180(?)	39	154	3	3	0.3	.....	.....	.....	.....	.....	.....	.....	.....
Holmes County															
52	R. L. Peaster	700	26	134	5.5	11	.....	4.3	56	6.6	2.2	.....46.....		.....	191
Humphreys County															
2	Town of Isola	819	5	211	2	4	0.8	.....	.....	.....	.....	.....	.....	.....	.....
3	F. H. Hudson	807	65	195	7.0	2.0	.....	1.4	17	21	3.1	.....58.....		12	222
14	Town of Belzoni	630	132	203	3.5	4.1	.....	0.5[a]	25	38	9.0	.....24.....		4.8	248
34	Mound City Gin Co.	908	14	155	2.8	13	.....	0.18	58	3.3	1.3	.....89.....		37	277
52	Town of Louise	920	10	200	6	15	.....	0.76	17	2.6	0.9	.....87.....		7.2	223
56	Town of Louise	909	< 5	219	1	8	0.2	.....	.....	.....	.....	.....	.....	.....	.....
Issaquena County															
2	L. C. Dulaney	950	71	488	32	12	.....	0.30	15	25	2.0	.....193.....		.....	537
8	G. F. Stock	935	6	571	58	1	2.7	.....	.....	.....	.....	.....	.....	.....	.....
16	L. E. Mann	1243	18	629	102	1	2.2	.....	.....	.....	.....	.....	.....	.....	.....
18	Mrs. Francis C. Ricketts	1214	8	479	34	1	1.4	.....	.....	.....	.....	.....	.....	.....	.....
19	Irby Charping	1201	.....	439	20	0.21	1.2	0.69	18.5	1.43	0.60	.....182.8.....		20	470.8
23	M. T. Campbell	1100(?)	9	991	245	3	5.4	.....	.....	.....	.....	.....	.....	.....	.....
24	W. W. Gary	1300	9	831	2	2	2.6	.....	.....	.....	.....	.....	.....	.....	.....
Panola County															
16	Town of Batesville	260	.....	58.6	5	3.5	.....	2.51	11.6	5	2.05	.....13.7.....		.....	68
Sharkey County															
25	Mrs. G. C. Fields	1197	< 5	467	12	1	0.9	.....	.....	.....	.....	.....	.....	.....	.....
30	H. G. Carpenter	1071	< 5	384	10	3	.....	0.04	23	1.2	0.6	.....185.....		45	466
35	Town of Rolling Fork	1042	6	406	22	2.8	.....	0.08	33	1.2	0.8	.....208.....		55	525
44	Town of Cary	1149	4.7	536	71	0.8	.....	0.11	15	1.4	0.3	242	8.2	.....	613
47	Henry Kline	879	.....	573	26	1.54	.....	1.22	19	1.5	0.69	.....264.....		30	618
49	James Hand	1201	< 5	469	17	1	1.1	.....	.....	.....	.....	.....	.....	.....	.....
Tate County															
2	W. G. Cocke	500	91	142	7.5	14	.....	4.9	41	22	8.7	.....22.....		.....	175

TABLE 7—(Continued)

Well	Owner or Name	Depth Well (feet)	Total hardness	Bicarbonate (HCO_3)	Chloride (Cl)	Sulphate (SO_4)	Fluoride (F)	Iron (Fe)	Silica (SiO_2)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Total dissolved solids
Warren County															
2	T. M. Morrissey	1741	9	881	458	3	2.8	.....	.....	.....	.....	.....	.....	.....	.....
Washington County															
5[b]	G. R. Bland	1572	12	631	8	1.9	.....	0.16	35	2.5	1.4	.....279.....		52	691
84	L. M. Bemis	1234	5	575	104	2	2.0	.....	.....	.....	.....	.....	.....	.....	.....
Yazoo County															
1	M. C. Brister	835	12	155	1	9	0.0	.....	.....	.....	.....	.....	.....	.....	.....
7	J. W. Crawford	1276	< 5	223	4	3	.....	.....	.....	.....	.....	.....	.....	.....	.....
13[a]	J. W. Downer	1167	10	267	2	2	0.5	.....	.....	.....	.....	.....	.....	.....	.....
17	Yazoo City	1000(?)	4	367	5.9	1.6	.....	2.4[c]	19	0.8	0.5	141	2.2	.....	356
24	Yazoo City	800	42	195	7.6	13	.....	16[c]	23	11	3.6	62	5.3	.....	238
31	F. W. Sharbrough	1120	5	343	4	1	0.7	.....	.....	.....	.....	.....	.....	.....	.....
32	J. T. Montgomery	1151	< 5	376	1	1	0.4	.....	.....	.....	.....	.....	.....	.....	.....
44	J. T. Atkinson	1141	< 5	303	1	4	0.4	.....	.....	.....	.....	.....	.....	.....	.....

a—Includes iron and aluminum (Fe + Al)
b—Questionably from Kosciusko sand
c—Iron and aluminum oxides ($Fe_2O_3 + Al_2O_3$)
Analyses: Bolivar 37; Carroll 16; Humphreys 2, 56; Issaquena 8, 16, 18, 23, 24; Sharkey 25, 47; Warren 2; Washington 84; Yazoo 1, 13, 31, 32, 44 by Margaret D. Foster and G. J. Petretic, U. S. Geological Survey
Analyses: Humphreys 34; Sharkey 30, 35, 44; Washington 5; Yazoo 7 by Margaret D. Foster, U. S. Geological Survey
Analyses: Holmes 52; Humphreys 52; Issaquena 19; Panola 16; Sharkey 47; Tate 2 by Mississippi State Chemical Laboratory
Analyses: Bolivar 20; Humphreys 14 by W. L. Purdue
Analyses: Humphreys 3; Issaquena 2 by W. L. Kennon
Analyses: Yazoo 17; 24 by W. R. Perkins

TABLE 8

CHEMICAL ANALYSES OF WATER FROM THE COCKFIELD FORMATION OF NORTHWESTERN MISSISSIPPI (Parts per Million)

Well	Owner or Name	Depth Well (feet)	Total hardness	Bicarbonate (HCO_3)	Chloride (Cl)	Sulphate (SO_4)	Fluoride (F)	Iron (Fe)	Silica (SiO_2)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Total dissolved solids
Bolivar County															
17	Town of Gunnison	500	.....	340	102	0.25	.....	1.10	10.9	5.94	1.97	.....188.8.....		.....	311.5
56	Delta Pine & Land Co.	378	14	169	9	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Warren County															
6	Warren County Heading Co.	1387	13	702	16	0.6	.....	0.05	18	3 3	1.2	261	13	.....	676
9	Cedars	900	15	1495	251	5	16.0	.....	.....	.....	.....	.....	.....	.....	.....
Washington County															
8	T. H. Golding	467	8	244	16	1	0.6	.....	.....	.....	.....	.....	.. ..	.....	.....
12[a]	Greenville Air Base	595	4	212	22	1.3	.....	0.05	15	0.8	0.5	.....111.....		.....	283
70	Town of Hollandale	361	60	376	14	6.0	.....	3.5	16	17	4.4	.....125.....		9.6	382
Yazoo County															
40	Dr. Carley	588	20	261	20	19	.....	.....	15	4.0	2.4	.....115.....		.....	325

Analyses: Warren 9; Washington 8 by Margaret D. Foster and G. J. Petretic, U. S. Geological Survey
Analyses: Bolivar 56; Warren 6 by Margaret D. Foster, U. S. Geological Survey
Analysis: Bolivar 17 by Mississippi State Chemical Laboratory
Analysis: Washington 12[a] by E. W. Lohr, U. S. Geological Survey
Analysis: Washington 70 by W. L. Kennon, University of Mississippi
Analysis: Yazoo 40 by E. S. Wallace, University of Mississippi

TABLE 9

THICKNESS OF RIVER ALLUVIUM

(As reported by water well drillers and the Mississippi River Commission)

Counties	No. of logs	Upper loam and clay			Basal sand and gravel			Total thickness		
		Maximum	Minimum	Average	Maximum	Minimum	Average	Maximum	Minimum	Average
Bolivar	33	72	.....	22	160	40	107	175	78	129
Coahoma	22	85	.....	25	201	88	134	211	120	159
DeSoto	3	38	21	27	131	109	117	152	130	144
Holmes	3	55	23	36	118	76	98	141	130	134
Humphreys	14	87	16	38	181	7	108	229	94	146
Issaquena	11	54	8	25	155	65	114	173	87	139
LeFlore	23	50	.....	21	176	78	110	189	99	131
Quitman	14	65	15	28	192	60	116	212	82	144
Sharkey	17	58	.....	33	191	83	139	218	131	171
Sunflower	12	43	8	25	177	86	128	191	129	153
Tallahatchie	8	24	10	20	190	65	125	200	88	145
Tunica	14	48	10	26	153	88	123	176	117	149
Washington	50	60	.....	25	165	26	93	187	82	118
Yazoo	11	58	13	33	144	51	100	183	100	134

TABLE 10—RECORD OF WATER WELLS IN BOLIVAR COUNTY

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form
1.	SW.1/4, SE.1/4, Sec.28, T.26 N., R. 5 W.	G. L. Renfroe and others		1912	4	1400	1400	.....	.....	.....	Sand	Meridian
2.	SW.1/4, NE.1/4, Sec.3, T.25 N., R. 5 W.	Calloway Callicott		1924	2	1275	.....	.....	.....	.....	Sand	Meridian
3.	NW.1/4, NW.1/4, Sec.17, T.25 N., R. 5 W.	Town of Duncan		1911	4	1249	.....	.....	60	.....	Sand	Meridian
4.	SW.1/4, SW.1/4, Sec.24, T.25 N., R. 5 W.	J. M. Harris	T. B. Minyard	1930	2	1530	.....	.....	85	.....	Sand	Meridian
5.	NW.1/4, SE.1/4, Sec.19, T.25 N., R. 6 W.	Delta Planting Company		1915	4	1750(?)	.....	.....	.....	.....	.....	Meridian (?)
6.	SW.1/4, SW.1/4, Sec.28, T.25 N., R. 7 W.	Sam Rembert		1912	5	1800(?)	.....	.....	.....	.....	.....	Meridian (?)
7.	SW.1/4, SW.1/4, Sec.29, T.25 N., R. 5 W.	Mrs. W. T. Burroughs		1915	4	1604(?)	.....	50	60+	.....	Coarse Sand	Meridian
8.	SW.1/4, NE.1/4, Sec.3, T.24 N., R. 7 W.	M. S. Knowlton	Layne-Bowler	1916	.....	1650	.....	.....	.....	.....	Sand	Meridian
9.	NE.1/4, SE.1/4, Sec.3, T.24 N., R. 7 W.	M. S. Knowlton	T. B. Minyard (?)	.....	5	1650	.....	.....	.....	.....	Sand	Meridian
10.	NW.1/4, NE.1/4, Sec. 6, T.24 N., R. 6 W.	J. C. Brooks & Company		1919	4	1700	.....	.....	.....	.....	Sand	Meridian
11.	SW.1/4, SE.1/4, Sec.1, T.24 N., R. 6 W.	Fed. Compress & Whse Co.	Owners	.....	6	75	.....	.....	.....	.....	Sand & gravel Alluvium	
12.	NE.1/4, NE.1/4, Sec.9, T.24 N., R. 5 W.	A. M. Wooten Estate		1913	3	1045	.....	.....	.....	.....	Sand	Winona (?)
13.	SW.1/4, NE.1/4, Sec. 12, T.24 N., R. 6 W.	Town of Shelby	Layne-Central	1923	4	1650(app.)	.....	.....	.....	.....	Sand	Meridian (?)
14.	SW.1/4, NE.1/4, Sec.12, T.24 N., R. 6 W.	Town of Shelby		.....	10	410	.....	.....	.....	110	Sand	Cockfield
15.	SW.1/4, NE.1/4, Sec.12, T.24 N., R. 6 W.	Town of Shelby	J. A. Theders	1914	4	1565	.....	.....	82	.....	Sand	Meridian
16.	SW.1/4, SE.1/4, Sec.8, T.24 N., R. 7 W.	J. A. Bert	Layne-Bowler	1916	6	1748	.....	.....	.....	71	Hard packed Sand	Meridian
17.	NE.1/4, SW.1/4, Sec.8, T.24 N., R. 7 W.	Town of Gunnison		.....	6	500	.....	.....	.....	.....	Sand	Cockfield
18.	NE.1/4, SW.1/4, Sec.8, T.24 N., R. 7 W.	Town of Gunnison	Layne-Central	1928	4	1738	1738	.....	.....	.....	Sand	Meridian
19.	NE.1/4, SW.1/4, Sec.13, T.24 N., R. 8 W.	J. A. Wherry	T. B. Minyard	1913	.....	1760	.....	.....	.....	.....	Sand	Meridian
20.	SW.1/4, SE.1/4, Sec.28, T.24 N., R. 7 W.	L. B. Wilkinson	Layne-Central	1919	4	1700	.....	.....	.....	.....	Sand	Meridian
20a.	NW.1/4, NE.1/4, Sec.23, T.23 N., R. 5 W.	Town of Mound Bayou	J. A. Theders	1910	3	1150	.....	.....	.....	20	White Sand	Kosciusko

TABLE 10—RECORD OF WATER WELLS IN BOLIVAR COUNTY—(Continued)

	Water Level		Measuring point			Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
1.	9.5	June 24, '39	165.6	4	Top of well elbow	32½		78¾	P. S.	Found flowing
2.	+						10(app.)		Dom.	
3.	+					90		79¼	P. S.	Well No. 9, Water Supply Paper 576, p. 93
4.	22.5	June 24	150.8	1	Top of well tee			75	Dom.	
5.	21.6	June 1	157	0	Top of well tee	60		77	Dom.	Casing diameter probably is reduced at depth
6.	18.4	June 1	159.1	1.5	Top of well tee				Dom.	Casing diameter probably is reduced at depth
7.	18.3	June 1	158.6	3.6	Top of well tee				P. S.	
8.	14.6	May 29	155	2.5	Top of well elbow				Dom.	
9.	14.2	May 28	155	1	Top of well tee		7(app.)		Dom.	Reported static level of water when drilled, 20 ft. above surface of land
10.	19.8	June 1	158	1.6	Top of well tee	41½			Dom.	
11.							10(app.)		Ind.	Used in boilers
12.	10.0	June 1	148	0	Concrete base of tank	32				Well No. 22, Water Supply Paper 576, p. 93
13.	18.6	June 1	155.6	2	Top of well tee	135		84¼	P. S.	
14.									Aban.	
15.	26.0	June 1	149.4	2	Top of well tee	154		84¼	P. S.	Well No. 20, Water Supply Paper 576, p. 93
16.	+							85	Dom.	Found flowing 200 g. p. m. from sub-surface leak
17.	−						30		P. S.	For emergency use only. Well No. 11, Water Supply Paper 576, p. 93
18.	28.9	May 29	155	0	Top of well tee	175			P. S.	Supplies natural pressure to town mains
19.	22.3	May 29	154.8	2.5	Top of well tee				Dom.	
20.	30.9	May 31	152.7	0.3	Top of well tee	135			Dom.	
20a.	+								P. S.	Well No. 13, Water Supply Paper 576, p. 93

TABLE 10—RECORD OF WATER WELLS IN BOLIVAR COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
21.	SW.1/4, NE.1/4, Sec.4, T.23 N., R. 8 W.	W. A. Welshans	Delta Drilling Company	1940	2	433	433	413	20	119	Sand	Cockfield
21a.	SE.1/4, SE.1/4, Sec. 3, T.23 N., R. 8 W.	Neal Streater	Delta Drilling Company	1940	2	563'5"	563	543	20	+27'5"	Sand	Cockfield
22.	SE.1/4, SE.1/4, Sec.9, T.23 N., R. 8 W.	Crystal Ice Co.		.....	6	550(?)	.....	.....	.....	.....	Sand	Cockfield(?)
23.	NW.1/4, SE.1/4, Sec.9, T.23 N., R. 8 W.	Town of Rosedale	Layne-Central	1928	8	230	.....	.....	.....	.....	Sand	Cockfield
24.	NW.1/4, SE.1/4, Sec.9, T.23 N., R. 8 W.	Town of Rosedale	Layne-Central	1926	8	220	220	160	60	.....	Sand	Cockfield
25.	NW.1/4, SE.1/4, Sec.9, T.23 N., R. 8 W.	Refuge Cotton Oil Co.	Layne-Central	1933	6	345	.....	.....	.....	.....	Sand	Cockfield
26.	NE.1/4, SE.1/4, Sec.16, T.23 N., R. 8 W.	Walter Sillers Memorial Park	C. M. Journey	1936	4	350	350	303	40	51	Sand	Cockfield
27.	NW.1/4, NW.1/4, Sec.15, T.23 N., R. 7 W.	A. C. Logan	Layne-Bowler	1917	4	1888	1888	.....	30	.....	Sand	Meridian
28.	SE.1/4, SE.1/4, Sec.17, T.23 N., R. 5 W.	Town of Marigold	Septic Tank Co.	1914	4	1200(?)	.....	.....	.....	.....	.....	.....
30.	SW.1/4, NW.1/4, Sec.24, T.23 N., R. 5 W.	Cooke Bros.	T. B. Minyard	1917	5	1700	1700	.....	.....	.....	Sand	Meridian
31.	NW.1/4, NW.1/4, Sec.21, T.23 N., R. 5 W.	Town of Marigold	Gray Artesian Well Co.	1925	6	1000(?)	.....	.....	.....	.....	.....	Winona(?)
32.	NW.1/4, NW.1/4, Sec.21, T.23 N., R. 5 W.	Town of Marigold	Gray Artesian Well Co.	1925	4	1000	.....	.....	.....	.....	Sand	Winona(?)
33.	NW.1/4, NW.1/4, Sec.21, T.23 N., R. 5 W.	Mrs. W. Parke Estate		.....	2	800	.....	.....	.....	.....	Sand	Kosciusko
33a.	SW.1/4, NW.1/4, Sec.22, T.23 N., R. 8 W.	Chaney's Dairy	Delta Drilling Co.	1940	2	492	492	472	20	43	Sand	Cockfield
33b.	SE.1/4, SW.1/4, Sec.25, T.23 N., R. 8 W.	H. H. McGowan	Delta Drilling Co.	1940	2	448	448	428	20	99	Sand	Cockfield
33c.	SE.1/4, SE.1/4, Sec.25, T.23 N., R. 8 W.	Robert Malone	Delta Drilling Co.	1940	.....	774	.....	.....	36	.....	.....	Kosciusko
34.	SW.1/4, SE.1/4, Sec.31, T.23 N., R. 6 W.	Town of Pace	T. B. Minyard	1918	4½	1450(?)	.....	.....	.....	.....	.....	Kosciusko
34a.	SW.1/4, NE.1/4, Sec.36, T.23 N., R. 8 W.	E. H. Wood	Delta Drilling Co.	1940	1¼	485	485	465	20	42+	Sand	Cockfield
34b.	SE.1/4, SW.1/4, Sec.31, T.23 N., R. 6 W.	Bond & Bushby	Delta Drilling Co.	1940	2	468	426	406	20	32	Sand	Cockfield
35.	SW.1/4, NE.1/4, Sec.27, T.22 N., R. 8 W.	Town of Beulah		1917	8	1760	.....	.....	50	.....	Sand	Meridian
36.	NW.1/4, NE.1/4, Sec.5, T.22 N., R. 5 W.	A. C. Williams & others	T. B. Minyard	1917	2	1086	1086	.....	.....	.....	Sand	Kosciusko

TABLE 10—RECORD OF WATER WELLS IN BOLIVAR COUNTY—(Continued)

	Water Level		Measuring point			Yield	(g.p.m.)	Temp.	Use of	Other records and
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description	Flow	Pump	°F.	water	general information
21.	−21	April, 1940	150	.....	Surface of land at well	.....	13	.....	Dom.	Water level reported when drilled
21a.	−	.....	.....	.....	.....	.....	.....	.....	Dom.	Finished with galvanized wire screen 1¼" in diameter
22.	−	.....	.....	.....	.....	.....	150	.....	Ind.	Used for manufacture of ice
23.	−16.5	May 28, 1939	148.7	.....	Top of hole in pump base-plate	.....	.....	.....	P. S.	
24.	−	.....	.....	.....	.....	.....	250	66½	P. S.	
25	−23 55	May 29	151.7	1	Top of hole in pump base-plate	.....	100	.....	.....	
26.	−20(app.)	June 7	149.7	0	Surface of land at pump base	.....	125	.....	P. S.	Reported static level of water when drilled
27.	+	.....	.....	.....	.....	.....	.....	81	.....	Found flowing about 50 g.p.m. from leak
28.	+	.....	.....	.....	.....	64	.....	78¼	P. S.	
30.	25.6	June 1	145	2.5	Top of 5 in. casing	.....	.....	.....	Dom.	Casing diameter probably is reduced at depth
31.	22.8	June 1	141.3	0.5	Top of concrete curbing	.....	.....	.....	Dom.	Formerly flowed 50 g.p.m.
32.	15.0	June 1	148.1	0.5	Top of concrete curbing	.....	.....	.....	Dom.	Supplies 3 families and automobile service station
33.	13.2	June 1	143	1.6	Top of well tee	6	.....	68	Dom.	
33a.	−18(app.)	July 17, 1940	145	0	Surface of land at well	.....	14	.....	Dom.	
33b.	−18(app.)	May, 1940	145	0	Surface of land at well	.....	8	.....	Dom.	Finished with 1¼ in. galvanized wire screen
33c.	.....	.....	147	.....	.....	.....	.....	.....	Dom.	
34.	26.0	May 25, 1939	144.2	4.3	Top of well tee	154	.....	81	P. S.	
34a.	−18(app.)	April 3, 1940	145	0	Surface of land at well	.....	14	.....	Dom.	440 feet of 2 in. pipe, remainder 1¼ in. including screen
34b.	−9(app.)	July, 1940	138	0	Surface of land at well	.....	8	.....	Dom.	Finished with 1¼ in. galvanized wire screen
35.	28.9	May 24, 1939	146	1.4	Top of well elbow	.....	.....	.....	P. S.	Well No. 4, Water Supply Paper 576, p. 93
36.	+	.....	.....	.....	.....	.....	.....	.....	P. S.	Report static level of water when drilled. 20. ft. above land surface. Reported yield when drilled: 50 g.p.m.

TABLE 10—RECORD OF WATER WELLS IN BOLIVAR COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (in.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed: Thick. (feet)	Principal water-bearing bed: Material	Principal water-bearing bed: Geologic form.
36a.	NW.1/4, SE.1/4, Sec.2, T.22 N., R. 5 W.	Joe Smith	T. B. Minyard	1917	2	1065	1065	.....	.....	.....	.....	Kosciusko
36b.	NW.1/4, SW.1/4, Sec.12, T.22 N., R. 5 W.	W. I. Davies	T. B. Minyard	.....	2	1030	1030	.....	72	.....	Brown gray Sand	Kosciusko
37.	SW.1/4, SE.1/4, Sec.14, T.22 N., R. 5 W.	Mrs. Henry Thomas	T. B. Minyard	1938	3	1347	1347	.....	.....	.....	Sand	Kosciusko
38.	NE.1/4, NW.1/4, Sec.21, T.22 N., R. 5 W.	Town of Cleveland	I. W. White	1929	6	1300	1300	.....	.....	.....	Sand	Winona
39.	NE.1/4, NW.1/4, Sec.21, T.22 N., R. 5 W.	Town of Cleveland	Layne-Central	1928	.....	1460	.....	.....	.....	.....	.....	Basic City Meridian
39a.	NE.1/4, NW.1/4, Sec.21, T.22 N., R. 5 W.	Town of Cleveland	Layne-Bowler	1911	6	1425	.....	.....	.....	66	Sand	Meridian
40.	SW.1/4, NE.1/4, Sec.24, T.22 N., R. 7 W.	P. H. Brooks & Co.	T. B. Minyard	1935	2	1529	1529	.....	.....	.....	Sand	Meridian
41.	NE.1/4, SE.1/4, Sec.27, T.22 N., R. 6 W.	Hardy Estate		1910	2½	1550(app.)	.....	.....	.....	.....	Sand	Tallahatta
42.	NW.1/4, NW.1/4, Sec.25, T.22 N., R. 5 W.	G. A. Wilson	T. B. Minyard	1918	3	1000(?)	.....	.....	.....	.....	.....	Kosciusko
43.	NE.1/4, SW.1/4, Sec.25, T.22 N., R. 5 W.	W. Ross	T. B. Minyard	1918	2	1065	.....	.....	40	.....	Sand	Kosciusko
44.	SW.1/4, SW.1/4, Sec.33, T.22 N., R. 5 W.	Standard Oil Co.		.....	.....	1000	.....	.....	.....	.....	Sand	Kosciusko
45.	SW.1/4, SW.1/4, Sec.33, T.22 N., R. 5 W.	Town of Boyle	Layne-Bowler	1916	6	1555	.....	.....	.....	.....	Sand	Tallahatta
46.	SE.1/4, SE.1/4, Sec.34, T.22 N., R. 6 W.	Consolidated school	T. B. Minyard	1915	4½	1470(?)	.....	.....	.....	.....	.....	Basic City(?)
46a.	Center Sec.1, T.21, N., R. 8 W.	M. D. Dossett	Delta Drilling Co.	1940	2	458	458	438	20	66+	Sand	Cockfield
47.	SE.1/4, NW.1/4, Sec.35, T.22 N., R. 8 W.	R. N. Beadel	C. M. Journey	1937	2	330	330	298	32	.....	Sand	Cockfield
48.	NW.1/4, NW.1/4, Sec.1, T.21 N., R. 6 W.	T. R. Handley & others	T. B. Minyard	1939	2	1516	1516	.....	140	.....	Sand	Tallahatta
49.	SE.1/4, NE.1/4, Sec.26, T.21 N., R. 8 W.	Charles Paterson	C. M. Journey	1937	1½	498	498	.....	40	.....	Fine sand	Cockfield
50.	NE.1/4, SE.1/4, Sec.17, T.21 N., R. 5 W.	Jones Bayou Gin Assn.	T. B. Minyard	1914(?)	3	1310	1310	.....	.....	.....	Sand	Tallahatta
51.	Center NW.1/4, Sec.13, T.21 N., R.5 W.	C. M. Clark & others	T. B. Minyard	1917	3	1196	.....	.....	.....	.....	Sand	Tallahatta
51a.	SW.1/4, SW.1/4, Sec.27, T.21 N., R. 8 W.	C. D. Terrell	Delta Drilling Co.	1940	1	544	544	502	42	53+	Sand and gumbo	Tallahatta
52.	NE.1/4, SE.1/4, Sec.20, T.21 N., R. 8 W.	Town of Benoit	Carloss Deep Well Co.	1931	6	393	393	357	30	.....	Sand	Tallahatta

TABLE 10—RECORD OF WATER WELLS IN BOLIVAR COUNTY—(Continued)

	Water Level		Measuring point			Yield	(g.p.m.)	Temp.	Use of	Other records and
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description	Flow	Pump	°F.	water	general information
36a.	.....	.....	139	.....	.....	35	.....	.....	.....	
36b.	.....	.....	137	.....	.....	.....	.....	.....	Dom.	Reported yield when drilled: 45 g.p.m.
37.	25.2	June 3	139	1	Top of well tee	.....	.....	.....	Dom.	Reported yield when drilled: 45 g.p.m.
38.	+	.....	.....	.....	.....	.....	375	77	P. S.	Yield reported
39.	−	.....	.....	.....	.....	.....	730	.....	P. S.	Yield reported
39a.	+	.....	.....	.....	.....	.....	.....	.....	.....	Well head buried. No. 8, Water Supply Paper 576, p. 93
40.	40.9	May 27	135.9	1.3	Top of well elbow	.....	.....	.....	Dom.	
41.	18.8	May 25	136	3.9	Top of well tee	.....	.....	77½	Dom.	
42.	8(app.)	June 3	137.3	2	Top of well tee	.....	.....	.....	Dom.	
43.	13.3	June 3	138.9	1	Top of well elbow	.....	.....	72½	Dom.	Reported yield when drilled, 65 g.p.m.
44.	+	.....	.....	.....	.....	9	.....	75	Aban.	Found flowing, well No. 6, Water Supply Paper 576, p. 93
45.	26.4	May 30	139.20	0.3	Top of concrete pump foundation	.....	175	.....	P. S.	Well No. 5, Water Supply Paper 576, p. 93
46.	34(app.)	May 25	140	.....	Surface of land at well head	.....	.....	.....	School	Static level of water reported
46a.	−25(app.)	.....	145	6	Top of well air line	.....	25	.....	Dom.	Reported by driller
47.	16(app.)	Dec. 19, 1937	138.60	0	Surface of land at well head	.....	7(app.)	.....	Dom.	
48.	32.0	April, 1939	131.9	2	Top of well cross	59	.....	.....	Dom.	Static level and yield reported
49.	−	.....	.....	.....	.....	.....	7(app.)	.....	Dom.	Well head buried
50.	19.1	May 30	135	1	Top of well elbow	.....	.....	.....	.....	Supplies 7 families
51.	23.7	May 30	135.8	1.5	Top of well elbow	.....	.....	.....	Dom.	Numerous outlets
51a.	−21	1940	145	0	Surface of land at well head	.....	20	.....	Dom.	Reported by driller. 2 in. casing is reduced at depth to 1 inch
52.	19(app.)	1931	140	0	Surface of land at well head	.....	158	.....	P. S.	Reported Static level of water when drilled

TABLE 10—RECORD OF WATER WELLS IN BOLIVAR COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed: Thick. (feet)	Material	Geologic form.
53.	SW.1/4, NE.1/4, Sec.20, T.21 N., R. 8 W.	R. J. Powell	T. B. Minyard	1916	3	1702	.....	.....	50(app.)	....	Sand	Tallahatta
53a.	Sec.5 T.21 N., R. 8 W.	Leon Speckter	Delta Drilling Co.	1940	2	506	506	479	21	35+	Sand	Cockfield
54.	NE.1/4, NW.1/4, Sec.13, T.21 N., R. 9 W.	Delta Pine & Land Co.	C. M. Journey	1936	2	438	438	418	20	21	Sand	Cockfield(?)
55.	NE.1/4, SE.1/4, Sec.15, T.21 N., R. 9 W.	Delta Pine & Land Co.	C. M. Journey	1936	2	333	333	312	21	25	Sand	Cockfield(?)
56.	NW.1/4, SW.1/4, Sec.9, T.21 N., R. 9 W.	Delta Pine & Land Co.	C. M. Journey	1936	2	378	378	358	20	17	Sand	Cockfield
57.	SW.1/4, NE.1/4, Sec.29, T.21 N., R. 8 W.	S. T. Speaks	T. B. Minyard(?)	1916	4½	1665	.....	.....	.....	.....	Sand	Tallahatta
58.	NE.1/4, SE.1/4, Sec.2, T.20 N., R. 6 W.	A. E. Graham	T. B. Minyard	1918	2	1479	.....	.....	.....	.....	Sand	Tallahatta
59.	NE.1/4, SW.1/4, Sec.3, T.20 N., R. 8 W.	Delta Pine & Land Co.	C. M. Journey	1936	.....	480	480	460	20	.....	Sand	Cockfield
60.	NW.1/4, SE.1/4, Sec.6, T.20 N., R. 8 W.	Delta Pine & Land Co.		.....	6	.....	.....	.....	.....	.....	.....	Cockfield(?)
61.	NE.1/4, SW.1/4, Sec.13, T.20 N., R. 9 W.	Delta Pine & Land Co.	T. B. Minyard	1920	6	1880	.....	.....	.....	.....	Dark sand	Meridian
62.	NE.1/4, SE.1/4, Sec.13, T.20 N., R. 9 W.	Delta Pine & Land Co.	C. M. Journey	1936	4	414	414	392	21	20	Sand	Cockfield
63.	SE.1/4, SE.1/4, Sec.12, T.20 N., R. 8 W.	Memphis Nat. Gas Co.	I. W. White	1928	6	518	.....	.....	30	.....	Sand	Cockfield
64.	SE.1/4, SE.1/4, Sec.12, T.20 N., R. 8 W.	Memphis Nat. Gas Co.	I. W. White	1936	10	520	.....	.....	30	.....	Sand	Cockfield
65.	NE.1/4, NE.1/4, Sec.9, T.20 N., R. 6 W.	J. W. Bishop	T. B. Minyard	.....	3	1480	.....	.....	39	.....	Sand	Tallahatta
66.	NE.1/4, NW.1/4, Sec.12, T.20 N., R. 6 W.	Town of Shaw	T. B. Minyard	1920	.....	.....	.....	.....	.....	.....	Sand	.....
67.	NE.1/4, NE.1/4, Sec.12, T.20 N., R. 6 W.	Town of Shaw		1909	1½	1360	.....	.....	.....	.....	Sand	Kosciusko(?)
68.	NE.1/4, NE.1/4, Sec.12, T.20 N., R. 6 W.	Town of Shaw	T. B. Minyard	1920	6–4	1470	.....	.....	.....	.....	.....	Basic City
69.	NW.1/4, NW.1/4, Sec.21, T.20 N., R. 8 W.	Delta Pine & Land Co.	C. M. Journey	1936	2	358	358	.....	20	32	Sand	Cockfield
70.	SW.1/4, NE.1/4, Sec.23, T.20 N., R. 8 W.	B. L. Caswell	C. M. Journey	1939	2	527	527	509	18	.....	Sand	Cockfield
71.	SW.1/4, SE.1/4, Sec.22, T.20 N., R. 7 W.	Noel Wood	T. B. Minyard	1937	2	1680	1680	.....	60	.....	Sand	Basic City
72.	SW.1/4, NW.1/4, Sec.31, T.20 N., R. 9 W.	Delta Pine & Land Co. et al	T. B. Minyard	1920	5	1846	.....	.....	.....	.....	Sand	Meridian

TABLE 10—RECORD OF WATER WELLS IN BOLIVAR COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.)		Temp.	Use of	Other records and
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description	Flow	Pump	°F.	water	general information
53.	45.2	May 25, 1939	140.7	0	Top of well tee	.....	.....	.....	Dom.	Well No. 3, Water Supply Paper 576, p. 93
53a.	−21(app.)	.....	138	0	Surface of land at well head	.....	8	.....	Dom.	Reported by driller
54.	−16.10	May 23	142.42	0.5	Base of ½ in. air pipe	.....	10(app.)	.....	Dom.	
55.	−24.57	May 23	141.80	2	Top of 2 in. well tee	.....	15	67	Dom.	
56.	−20.45	May 23	143.2	1.2	Top of 2 in. well tee	.....	20	.....	Dom.	
57.	35.65	May 25	142.5	4	Top of well tee	.....	.....	.....	Dom.	
58.	33.8	May 17	131.9	0	Top of well tee	.....	.....	.....	Dom.	Reported static level of water when drilled 50 ft. above land surface
59.	−21.30	May 23	140.2	0.6	Top of well tee	.....	15(app.)	.....	Dom.	
60.	−21.62	May 23	144.3	2.3	Top of 6 in. casing	.....	25(app.)	.....	Dom.	
61.	49.2	May 25	142.2	3	Top of well tee	.....	100(app.)	.....	Dom.	Reported static level of water when drilled 92 feet above land surface
62.	−	.....	.....	.....	.....	.....	60	69¼	Dom.	Pumped about 25,000 g. per day during summer months
63.	−20(app.)	.....	137.9	0	Surface of land at well head	.....	150	69	Ind.	Used for cooling pumps
64.	−23.30	May 5	134.3	4.5	Top of tee on 2 in. gas pipe	.....	500	69	Ind.	Yield reported
65.	39.0	May 19	129.15	1	Top of well tee	.....	.....	.....	Dom.	
66.	8.3	May 17	136.3	4.3	Top of 3 in. well elbow	5	.....	70	Drinking	Found flowing
67.	15.95	May 17	138.9	4.3	Top of 3 in. well elbow	.....	.....	80	P. S.	Well No. 18, Water Supply Paper 576, p. 93
68.	22.85	May 17	132.3	0	Top of bolt in pump base plate	100	650	82½	P. S.	Yields measured at swimming pool
69.	19.90	May 23	136.7	0.8	Top of well tee	.....	.....	.....	Dom.	
70.	−22(app.)	Mar. 1939	136.72	0	Floor of well house at casing	.....	7(app.)	.....	Dom.	Reported static level of water when drilled
71.	55.5	May 17	125.35	0.8	Top of well tee	86	.....	85	Dom.	Finished with perforated pipe
72.	+	.....	.....	.....	.....	.....	.....	.....	Dom.	Supplies 3 plantations

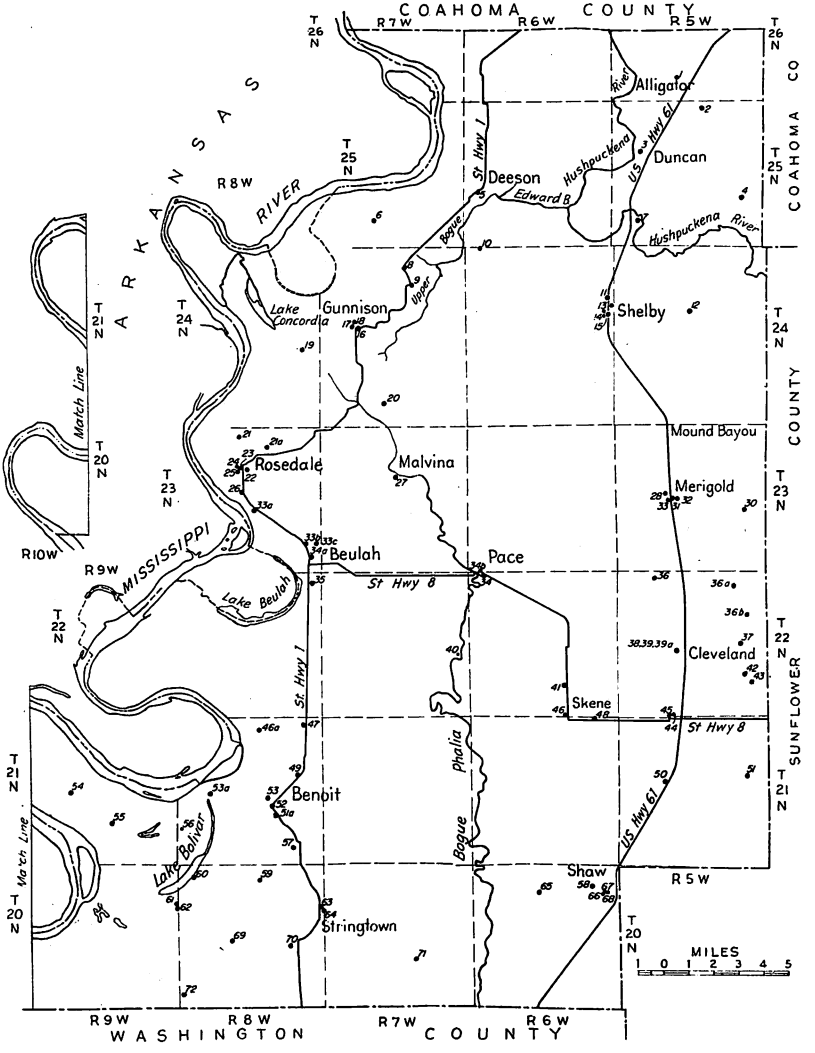


Figure 20.—Map of wells in Bolivar County.

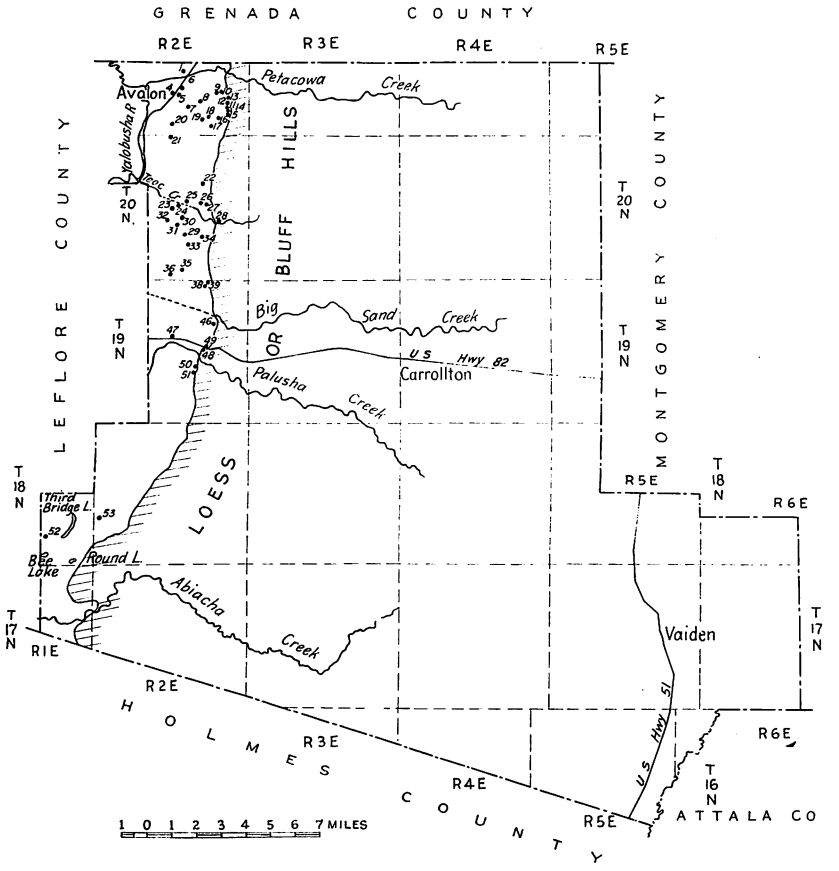


Figure 21.—Map of wells in Carroll County.

TABLE 11—RECORD OF WATER WELLS IN CARROLL COUNTY

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
1.	SE.1/4, NW.1/4, Sec.22, T.21 N., R.2 E.	Mr. Guy		.....	2	.....	.....	.....	.....	.....	.....	.....
4.	SE.1/4, NE.1/4, Sec.28, T.21 N., R.2 E.	Dr. Giles		1918	.....	184	.....	.....	.....	.....	.....	Kosciusko
5.	SW.1/4, NW.1/4, Sec.27, T.21 N., R.2 E.	Mr. Stubblefield	Mr. Watson	1908	.....	300	.....	.....	.....	.....	.....	Winona & Basic City
6.	NE.1/4, NW.1/4, Sec.27, T.21 N., R.2 E.	Mr. P. Atkinson		.....	2	.....	.....	.....	.....	.....	.....	.....
8.	NE.1/4, SW.1/4, Sec.26, T21 N., R.2 E.	Mrs. M. A. Brunson	S. Journey	.....	.....	120	.....	.....	.....	.....	.....	Kosciusko
9.	SE.1/4, NE.1/4. Sec.26, T.21. N., R.2 E.	W. B. Chanibley	C. M. Journey	1927	3	550–600	.....	.....	.....	.....	.....	Meridian
10.	SE.1/4, NE.1/4, Sec.26, T.21 N., R.2 E.	W. B. Chanibley		about 1908	.....	.....	.....	.....	.....	.....	.....	.....
11.	SW.1/4, SW.1/4, Sec.21, T.21 N., R.2 E.	Lynn Gravel Co.	Watson	.....	6	.....	.....	.....	.....	.....	.....	.....
12.	NW.1/4, SW.1/4, Sec.25, T.21 N., R.2 E.	Lynn Gravel Co.		.....	4	54	.....	.....	.....	.....	.....	Kosciusko
13.	SW.1/4, NW.1/4, Sec.25, T.21 N., R.2 E.	Barriey Williams	J. H. Williams	1910	2½ to 1¾	380	.....	.....	.....	.....	.....	Basic City & Winona
14.	NW.1/4, NW.1/4, Sec.36, T.21 N., R.2 E.	Lynn Gravel Co.	C. M. Journey	1930	12	541	541	.....	60	.....	.....	Meridian
16.	NE.1/4, NE.1/4, Sec.35, T.21 N., R.2 E.	J. F. Cortner		.....	.....	about 100	.....	.....	.....	.....	.....	.....
18.	SE.1/4, NW.1/4, Sec.35, T.21 N., R.2 E.	Fulton McRea		.....	.....	90	.....	.....	.....	.....	.....	Kosciusko
20.	NE.1/4, SE.1/4, Sec.33, T.21 N., R.2 E.	T. H. Redditt		.....	2	.....	.....	.....	.....	.....	.....	.....
21.	NW.1/4, NW.1/4, Sec.3, T.20 N., R.2 E.			before 1928	2	100(?)	.....	.....	.....	.....	.....	Kosciusko
23.	NE.1/4, NE.1/4, Sec.21, T.20 N., R.2 E.	William Moore		.....	2½	.....	.....	.....	.....	.....	.....	Winona(?)
24.	SE.1/4, SW.1/4, Sec.8, T.20 N., R.2 E.	J. F. Cortner		1930	.....	180(?)	180	.....	.....	.....	.....	Kosciusko
25.	SW.1/4, SE.1/4, Sec.15, T.20 N., R.2 E.	Joe McCain		.....	2	.....	75	.....	.....	.....	.....	Kosciusko

TABLE 11—RECORD OF WATER WELLS IN CARROLL COUNTY—(Continued)

	Water Level		Measuring point			Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
1.	.....	.....	144	.....	Top of 2 in. pipe.....	.....	.....	65	Dom.....	Reported to have been a flowing well
4.	5	Oct. 14, 1938	138	1.6	Top of well tee.....	5	.....	64	.....	Reported decline during dry weather
5.	5	Oct. 14	143	3.2	Top of well tee.....	5	.....	64	Dom.....	
6.	5	Oct. 14	144	4.5	Above well tee.....	2	.....	63	Dom.....	Probably 185 feet deep
8.	1.6	Oct. 14	148	.....	Top of 2 in. pipe.....	2	.....	65	Dom.....	Two additional wells here, each flowing about 5 g.p.m., temps. 67° and 63.5°
9.	.....	.....	152	.....	.....	15	.....	68	Dom.....	
10.	.....	Oct. 14	154	2.5	Top of 2 in. pipe.....	5	.....	67	.....	Well head at ground surface. Leaks around well
11.	.....	Oct. 14	154	4	.....	3	.....	64.5	P. S.....	Well collar at edge of dredge pond
12.	.....	.....	162	2	.....	.....	.....	.....	.....	Well head buried
13.	13.5	Oct. 14	163	1	Top of 2 in. pipe.....	.....	.....	64	.....	White scale reported in boiler water
14.	.....	.....	.....	.....	Well head buried	.....	.....	69	.....	
16.	4.6	Oct. 14	140	3	Well elbow	10	.....	64	.....	
18.	2.5	Oct. 14	142	5	Above well tee.....	2.5	....	64.5	Dom.....	
20.	4.9	Oct. 14	137	4.7	Above well tee.....	.....	.....	64	Dom.....	
21.	5.75	Oct. 14	133	3.5	Above well tee.....	10	.....	64	.....	
23.	4.5	Oct. 19	139	3	Above well tee.....	5	.....	64	Dom.....	
24.	6.6	Oct. 13	137	2	Top of 2 in. casing.....	10	.....	65.0	Dom.....	
25.	.....	.....	.....	3	Leaky well head.....	15	.....	64.3	Dom.....	Flows openly through corroded 2 in. pipe

TABLE 11—RECORD OF WATER WELLS IN CARROLL COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
26.	SW.1/4, SW.1/4, Sec.14, T.20 N., R.2 E.	J. P. McCain		.....	2	200–300	.....	.....	.....	.....	.....	Winona
27.	SE.1/4, SW.1/4, Sec.14, T.20 N., R.2 E.	Joe McCain	L. S. Journey	1925	2	550	.....	.....	.....	.....	.....	Meridian
28.	NW.1/4, SE.1/4, Sec.23, T.20 N., R.2 E.	Joe McCain		.....	.....	250	75	.....	.....	.....	.....	Winona
29.	NW.1/4, NW. 1/4, Sec. 26, T.20 N., R.2 E.	Joe McCain		1906	.....	300(?)	.....	.....	.....	.....	.....	Basic City
30.	NW.1/4, SE.1/4, Sec.23, T.20 N., R.2 E.	John Long	C. M. Journey	.....	3.2	635	.....	.....	.....	42	Sand	Meridian
31.	SW.1/4, SE.1/4, Sec.21, T.20 N., R.2 E.	William Moore		.....	.....	400(?)	.....	.....	.....	.....	.....	Meridian(?)
32.	NE.1/4, SE.1/4, Sec.21, T.20 N., R.2 E.	William Moore		.....	2	260	.....	.....	.....	.....	.....	Winona
33.	NW.1/4, SE.1/4, Sec.27, T.20 N., R.2 E.	Joe McCain		.....	.....	.....	.....	.....	.....	.....	.....	.....
35.	NE.1/4, SW.1/4, Sec.34, T.20 N., R.2 E.	Roy Brew	C. M. Journey	1926	2½	100	.....	.....	.....	.....	.....	Kosciusko
36.	SE.1/4, SE.1/4, Sec.33, T.20 N., R.2 E.	Leon Watson.		1925	2	100(?)	.....	.....	.....	.....	.....	Kosciusko
38.	NE.1/4, NW.1/4, Sec.2, T.19 N., R.2 E.	H. L. Long	Rickles	1932	2	490	.....	.....	.....	.....	.....	Winona
39.	NE. 1/4, NW.1/4, Sec.2, T.19 N., R.2 E.	H. L. Long		1900	.....	360	.....	.....	.....	.....	.....	Winona
40.	NW.1/4, SW.1/4, Sec.12, T.19 N., R.4 E.	L. C. Spencer	Rickles	.....	.....	140	.....	.....	.....	.....	.....	Winona & Basic City
41.	NW.1/4, SW.1/4, Sec.12, T.19 N., R.4 E.	McAnerney Gin Co.		.....	4	.....	.....	.....	.....	.....	.....	.....
42.	NW.1/4, SW.1/4, Sec.12, T.19 N., R.4 E.	T. J. Hanett	Rickles	1927	3	360	105	.....	.....	.....	.....	Basic City & Meridian
44.	SW.1/4, SE.1/4, Sec.7, T.19 N., R.4 E.	Seaward Hendricks Gin Co.	Rickles	1913	2(?)	480	.....	.....	.....	.....	.....	Meridian
45.	SW.1/4, SE.1/4. Sec.7, T.19 N., R.4 E.	Farmer's Gin Co.		1904	3(?)	480	.....	.....	.....	.....	.....	Meridian
46.	Center SW.1/4, Sec.7, T.19 N., R.4 E.	Jim Williams		.....	.....	.....	.....	.....	.....	.....	.....	.....

TABLE 11—RECORD OF WATER WELLS IN CARROLL COUNTY—(Continued)

	Water Level		Measuring point			Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
26.	1	.....	145	.....	Leaky well head.....	5	.....	64.5	Dom.....	Probably cased 75 feet shale above water sand. Flows openly
27.	6.5	Oct. 20	164	2	Top of well casing leaky connections	.....	.....	66.5	Dom.....	
28.	.....	.....	164	.....	.....	.....	.....	66.8	Dom.....	Casing to hard pan
29.	.5	Oct.	144	2	.....	1	.....	65.2	Dom.....	
30.	2.7	1939	170	0	Surface of land at well	15	.....	.....	Dom.....	Driller's log
31.	.....	.....	135	.....	.....	10	.....	64½	.....	
32.	.....	.....	145	3	Above leaky well head	4	.....	64.9	Dom.....	
33.	.....	.....	139	.....	.....	2	.....	65	.....	
35.	5.5	Oct. 20, 1938	141	1.1	Above well tee.....	.....	.....	64	Dom.....	
36.	4.3	Oct. 20, 1938	143	4	Above well tee.....	5	.....	64	Dom.....	
38.	.....	.....	170	.....	.....	.....	.....	.....	Dom.....	
39.	.....	.....	175	.....	.....	.....	.....	.....	.....	
40.	−17.87	Sept. 7, 1939	.....	.....	Top of union on 2. in.	.....	.....	.....	.....	
41.	−18.73	Sept. 7, 1939	286.1	1½	Top of 4 in. casing.....	.....	.....	.....	.....	
42.	9	.....	281.1	.....	.....	.....	.....	.....	Dom.....	
44.	.....	.....	.....	.....	.....	.....	.....	66¼	Gin.....	
45.	2.9	Sept. 4, 1939	224.8	.....	Above 2 in. elbow.....	2	.....	.....	.....	
46.	.....	.....	220.8	.....	.....	4	.....	63	.....	

TABLE 11—RECORD OF WATER WELLS IN CARROLL COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
47.	SE.1/4, SW.1/4, Sec.7, T.19 N., R.4 E.	Columbus & Greenville R.R.		.....	.....	700	.....	.....	.....	.....	.....	Meridian
48.	SW.1/4, SE.1/4, Sec.11, T.19 N., R.2 E.	C. L. Gee	Rickles	.....	.....	300(?)	.....	.....	.....	.....	.....	Winona(?)
49.	SE.1/4, NE.1/4, Sec.16, T.19 N., R.2 E.	E. M. Hemphill	Rickles	March 1937	2	300	300	.....	.....	.....	.....	Winona
50.	SE.1/4, SW.1/4, Sec.14, T.19 N., R.2 E.	L. H. Hemphill		.....	2	800	.....	.....	.....	.....	.....	Meridian
51.	SE.1/4, SW.1/4, Sec.14, T.19 N., R.2 E.	L. H. Hemphill	C. M. Journey	1932	2½	1400	.....	.....	.....	.....	.....	Wilcox(?)
52.	NW.1/4, SE.1/4, Sec.14, T.19 N., R.2 E.	J. L. LeFlore	Charles Watson	1904	.....	260	.....	.....	.....	.....	.....	Winona
53.	NW.1/4, SE.1/4, Sec.14, T.19 N., R.2 E.	N. J. LeFlore	Rickles	1928	3	400	.....	.....	.....	.....	.....	Meridian & Basic City
54.	NW. 1/4, NW.1/4, Sec.18, T.19 N., R.4 E.	Town of Carrollton	Mr. Ray	1912	2	400	.....	.....	.....	.....	.....	Meridian
55.	NW.1/4, NW.1/4, Sec.18, T.19 N., R.4 E.	Town of Carrollton		.....	2	400	.....	.....	.....	.....	.....	Meridian
56.	NW.1/4, NW.1/4, Sec.18, T.19 N., R.4 E.	Town of Carrollton	Carloss Well Co.	Sept. 1938	6	470	470	.....	.....	.....	.....	Meridian
57.	NE.1/4, NW.1/4, Sec.18, T.19 N., R.4 W.	Town of Carrollton		1930	2	Est. 380	.....	.....	.....	.....	.....	Meridian(?)
58.	SE.1/4, NE.1/4, Sec.18, T.19 N., R.4 E.	Peoples Bank & Trust Co.		1909(?)	4½	300	.....	.....	.....	.....	.....	Meridian
59.	SW.1/4, NE.1/4, Sec.24, T.19 N., R.2 E.	A. L. Johnson		.....	6	500	.....	.....	.....	.....	.....	Meridian
60.	NE.1/4, SE.1/4, Sec.22, T.19 N., R.2 E.	C. J. Kerr		before 1928	3	300	.....	.....	.....	.....	.....	Winona
61.	SE.1/4, SE.1/4, Sec.22, T.19 N., R.2 E.	Greenwood Airbase	C. M. Journey	1942	4	653	653	570	59.5	66	Sand	Meridian
62.	SW.1/4, SW.1/4, Sec.26, T.18 N., R.1 E.	C. S. Ware		.....	2	.....	.....	.....	.....	.....	.....	Meridian
63.	NE.1/4, NW.1/4, Sec.30, T.18 N., R.2 E.	Ralph Redditt	Kenneth Journey	1941	.....	617	617	.....	.....	.....	.....	.....

TABLE 11—RECORD OF WATER WELLS IN CARROLL COUNTY—(Continued)

	Water Level		Measuring point							
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description	Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
47.	.....	.....	.....	.....	.....	.....	75	.....	.....	
48.	.....	.....	165	.....	.....	1½	.....	64¼	.....	
49.	6.2	Jan. 10, 1939	150	2	Above well tee.....	3	.....	64¾	Dom.....	
50.	10.7	.....	163	.....	Above surface ground at well head.....	.....	.....	.....	Dom.....	
51.	.....	.....	175	.....	.....	.....	.....	64¼	.....	
52.	2	Jan. 10, 1939	180	2	.....	.....	.....	63½	Dom.....	
53.	7	Jan. 10, 1939	172	2.5	Well lead off.....	5.1	.....	65¾	Dom.....	
54.	2.6	Sept. 4, 1939	.....	.....	Above 2 in. well tee.....	10	.....	66	.....	
55.	.....	.....	.....	.....	.....	5	.....	.....	Obs.....	
56.	.....	.....	.....	.....	.....	.....	.....	69¼	P. S.....	
57.	.....	.....	.....	.....	.....	2	.....	.....	Not used.....	
58.	.....	.....	.....	.....	.....	.....	.....	65¼	Not used.....	
59.	−80.90	Sept. 4, 1939	301	3½	Top of 6 in. casing.....	.....	.....	.....	Obs.....	
60.	.....	.....	167	1.8	.....	2	.....	65	Dom.....	
61.	.....	.....	.....	.....	.....	.....	.....	.....	P. S.....	
62.	23.8	Jan. 9, 1939	126	4	Above x on 2 in. pipe	49	.....	68	Dom.....	
63.	.....	.....	.....	.....	.....	.....	.....	.....	Dom.....	

TABLE 12—RECORD OF WATER WELLS IN COAHOMA COUNTY

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
1.	SW.1/4, NE.1/4, Sec.6, T.30 N., R. 3 W.	Norman Jefferys	Joe Theders	1916	2	1675	1675	1655(?)	20	.....	Sand	Lower Wilcox
2.	SE.1/4, SW.1/4, Sec.23, T.30 N., R. 3 W.	Town of Lula	I. J. Theders	1908	3	1032	.....	.....	.....	.....	Sand	Meridian(?)
2a.	SE.1/4, NW.1/4, Sec.23, T.30 N., R. 12 W.	McKenzie & Wilsford	T. B. Minyard	1925	2	1241	1230	1120	70	95	Sand	Meridian
3.	SE.1/4, SW.1/4, Sec.23, T.30 N., R. 3 W.	Town of Lula	Layne-Central	1930	6	1130	.....	.....	.....	.....	Sand	Meridian
3a.	SW.1/4, SE.1/4, Sec.23, T.30 N., R. 12 W.	T. G. Wilsford Well 3	C. M. Journey	1941	.....	1707	.....	.....	.....	.....	Sand	Lower Wilcox
4.	SE.1/4, SW.1/4, Sec.25, T.30 N., R. 3 W.	Lula-Rich School	T. B. Minyard	1923	3	.....	.....	.....	.....	.....	.....	Meridian
5.	SE.1/4, SE.1/4, Sec.34, T.30 N., R. 3 W.	Mrs. Thomas Walton	Joe Theders	1912	2(?)	1200	.....	.....	.....	.....	Sand	Meridian
6.	NE.1/4, SE.1/4, Sec.6, T.29 N., R. 2 W.	Town of Rich	Joe Theders	1909	.....	1100	.....	.....	.....	.....	.....	Meridian(?)
7.	SW.1/4, NE.1/4, Sec.1, T.29 N., R. 3 W.	Brahan Estate	Joe Theders	1910	2	1090	1090	1060(?)	30	.....	Sand	Meridian
8.	SE.1/4, NW.1/4, Sec.3, T.29 N., R. 3 W.	Carr Brothers	Joe Theders	1912	.....	1200	.....	.....	.....	.....	.....	Meridian
9.	SW.1/4, NW.1/4, Sec.8, T.29 N., R. 3 W.	Dr. W. W. Vaught	Joe Theders	1909	.....	1200	.....	.....	.....	.....	Sand	Meridian
10.	SE.1/4, SE.1/4, Sec.11, T.29 N., R. 3 W.	Memphis Nat. Gas Co.	Layne-Central	1937	4(?)	1045	1045	.....	20	.....	Sand	Meridian
11.	NW.1/4, SW.1/4, Sec.7, T.29 N., R. 2 W.	Norfleet & Wilsford	C. M. Journey	1939	2	1837	1837	1796	40	48	Sand	Lower Wilcox
12.	SW.1/4, NW.1/4, Sec.15, T.29 N., R. 3 W.	Norfleet & Wilsford	C. M. Journey	1939	2	1821	1821	1781	40	87	Sand	Lower Wilcox
13.	NE.1/4, SE.1/4, Sec.19, T.29 N., R. 4 W.	Town of Friars Point	Layne-Central	1927	3	940	.....	.....	.....	.....	Sand	Kosciusko
14.	SW.1/4, NW.1/4, Sec.20, T.29 N., R. 4 W.	Town of Friars Point		1906	2	1140	.....	.....	.....	.....	.....	Meridian
15.	NW.1/4, SW.1/4, Sec.20, T.29 N., R. 4 W.	Crystal Ice & Fuel		1930	4	80	80	72	5	.....	Sand & Gravel	Alluvium
16.	SE.1/4, SW.1/4, Sec.20, T.29 N., R. 4 W.	Town of Friars Point		1911	5	1500	1500	.....	.....	.....	Sand	Meridian
17.	SE.1/4, SE.1/4, Sec.20, T.29 N., R. 3 W.	Town of Coahoma	Joe Theders	1914	3	1330	1330	1320(?)	10	.....	Sand	Meridian
18.	NE.1/4, SE.1/4, Sec.20, T.29 N., R. 3 W.	Town of Coahoma		.....	.....	1030	.....	.....	.....	.....	.....	Meridian

TABLE 12—RECORD OF WATER WELLS IN COAHOMA COUNTY—(Continued)

	Water Level		Measuring point			Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
1.	6.0	July 12, 1939	175	4	Top of horse trough south of home	.....	15(app.)	.....	Dom.	Well head buried
2.	+	.....	.....	.....	.....	.....	.....	.....	Aband.	Well No. 18 Water Supply Paper 576, p. 136
2a.	.....	.....	.....	.....	.....	.....	.....	.....	.....	Reported yield 26 g.p.m., static level 8.5 ft. above the land when drilled
3.	6.0	July 14	180	0.5	Top of 4 in. pipe union	65	250	.....	P. S.	Reported yield when drilled
3a.	+	.....	.....	.....	.....	.....	.....	.....	Dom.	
4.	6.0	June 30	180	−1.0	Top of well tee	.....	.....	.....	School	
5.	3.7	.....	182	2.0	Top of hydrant behind store	.....	10(app.)	.....	.....	Found flowing about 10 g.p.m.
6.	+	.....	.....	.....	.....	.....	.....	.....	P. S.	Well head buried. Several small, automatic pumps are connected to well
7.	8.1	June 30	182	0	¾ in. tee at front lawn hedge	.....	.....	.....	Dom.	
8.	+	.....	.....	.....	.....	12	.....	.....	Dom.	Reported static head when drilled about 13 ft/ above land surface
9.	3(app.)	June 29	.....	.....	Level of land at well head	.....	pitcher	.....	Dom.	Static head reported
10.	2(app.)	July 14	.....	.....	Level of land at well head	.....	50(app.)	.....	Dom.	Pumped with deep well turbine pump
11.	41.4	May 25	181	2	Top of well tee	55	.....	80½	Dom.	
12.	38.5	March 7, 1940	187	1.5	Top of well tee	.....	.....	.....	Dom.	
13.	−17.51	June 22, 1939	176	0	Top of pump base plate	.....	250(app.)	.....	P. S.	Used for fire protection
14.	0(app.)	June 22	176	.....	Level of land at well head	.....	.....	.....	Aban.	Reported to flow only during flood stage of Mississippi River
15.	−	.....	.....	.....	.....	.....	150(app.)	63	Ind.	Used for ice manufacture
16.	+	.....	179	.....	.....	.....	250(app.)	76	P. S.	Well No. 16, Water Supply Paper 576, p. 136
17.	3(app.)	June 29	177	.....	Level of land at well head	.....	.....	.....	P. S.	Numerous small automatic electric pumps connected to well. Well No. 9, Water Supply Paper 576, p. 136
18.	+	.....	.....	.....	.....	3	.....	.....	Aban.	Found flowing

TABLE 12—RECORD OF WATER WELLS IN COAHOMA COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
19.	SE.1/4, NW.1/4, Sec.29, T.29 N., R. 4 W.	Planters Oil Mill	Joe Theders	.....	.....	1608	.....	.....	.....	.....	Sand	Lower Wilcox(?)
19a.	NE.1/4, SW.1/4, Sec.29, T.29 N., R. 4 W.	Harris Lbr. & Stave Co.	T. B. Minyard	1926	6	439	425	376	52	132	Sand	Cockfield
20.	NW.1/4, SE.1/4, Sec.35, T.29 N., R. 3 W.	W. R. Barksdale	Joe Theders	1909	3	1100	.....	.....	.....	.....	Sand	Meridian
22.	SW.1/4, SW.1/4, Sec.1, T.28 N., R. 4 W.	King & Anderson		1905	2	1000(?)	.....	.....	.....	.....	.....	Meridian
23.	SE.1/4, SW.1/4, Sec.1, T.28 N., R. 3 W.	Eastman Cot. Oil Mill Co.	J. A. Pollard	1912	2	1160	1160	1140(?)	20	.....	Sand	Meridian
24.	SW.1/4, SE.1/4, Sec.1, T.28 N., R. 3 W.	Town of Jonestown	Joe Theders	1909	3	1080	1080	1030(?)	50	.....	Sand	Meridian
25.	SE.1/4, SE.1/4, Sec.16, T.28 N., R. 4 W.	King & Anderson	Kenneth Journey	.....	3	1404	1404	.....	.....	84	Sand	Meridian
26.	SW.1/4, SW.1/4, Sec.15, T.28 N., R. 4 W.	King & Anderson	Henry Theders	1909	2½	1000	1000	.....	.....	.....	Sand	Basic City
27.	SW.1/4, SE.1/4, Sec.22, T.28 N., R. 5 W.	R. N. McWilliams	Henry Theders	1909	2	1385	.....	.....	.....	.....	Sand	Meridian
28.	NW.1/4, NE.1/4, Sec.25, T.28 N., R. 6 W.	R. N. McWilliams		1909	2	1300	.....	.....	.....	.....	Sand	Meridian (?)
29.	SE.1/4, SE.1/4, Sec.27, T.28 N., R. 4 W.	King & Anderson	Henry Theders	1909	2	1000(?)	.....	.....	.....	.....	.....	
30.	NW.1/4, SW.1/4, Sec.26, T.28 N., R. 4 W.	King & Anderson	Henry Theders	1914	2	1050	.....	.....	.....	.....	Sand	Meridian
31.	NE.1/4, NW.1/4, Sec.30, T.28 N., R. 3 W.	J. T. Faragason & Son	J. N. Fewell	1928	3	1604	1604	.....	20	.....	Sand	Wilcox
32.	SW.1/4, NW.1/4, Sec.36, T.26 N., R. 4 W.	County of Coahoma	Layne-Central	1929	4	2000(?)	.....	.....	.....	.....	.....	Wilcox
32.a.	SE.1/4, NE.1/4, Sec.6, T.27 N., R. 3 W.	Mrs. Charles Morris	T. B. Minyard	1924	.....	1277	1262	.....	.....	46	Sand	Meridian
33.	NE.1/4, SE.1/4, Sec.32, T.28 N., R. 4 W.	Mrs. W. H. Stovall	T. B. Minyard	1919	2(?)	1400	.....	.....	.....	.....	Sand	Meridian
34.	SW.1/4, NW.1/4, Sec.36, T.28 N., R. 5 W.	S. A. Corley	Henry Theders	1913	2	1300	.....	.....	.....	.....	.....	Meridian
35.	SE.1/4, SE.1/4, Sec.5, T.27 N., R. 4 E.	William McComb	Henry Theders	1914	2	1315	.....	.....	.....	.....	.....	Meridian
36.	SW.1/4, NW.1/4, Sec.9, T.27 N., R. 4 W.	C. C. Aderholdt	C. M. Journey	1932	2	1362	1362	.....	60	122	Fine sand & shale	Meridian(?)
36a.	NE.1/4, SE.1/4, Sec.11, T.27 N., R. 4 W.	Country Club of Clarksdale	T. B. Minyard	.....	6	1857	1857	1716	99	121	Loose white sand	Lower Wilcox

TABLE 12—RECORD OF WATER WELLS IN COAHOMA COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.) Flow	Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
19.	4.8	June 22	175	0	Top of 1 in. tee	5		72	Dom.	Found flowing
19a.									Aban.	
20.	4.8	June 29	178	0	Top of well casing				Dom.	
22.	4.4	June 22	175	0.5	Top of well tee		10(app.)	66	Dom.	
23.	4.7	July 12	176	0.7	Top of 2 in. tee	3	20		Ind.	
24.	+					40			P. S.	Reported yield flow into surface reservoir
25.	7(app.)	May 1939	173	0	Top of 1¼ in. pipe elbow		15(app.)	72	Dom.	Yield and static water level reported
26.	0(app.)	June 22	175	0			7(app.)			
27.	10.4	June 23	171	3.3	Top of well cross	11		75	Dom.	Well No. 12, Water Supply Paper 576, p. 136
28.						15		77	Aban.	Found flowing in Mississippi River
29.							7(app.)		Dom.	
30.	1.0	June 22	178	2	Top of pump cylinder		10(app.)		Dom.	
31.	+					37	10(app.)		Dom.	Reported yield in 1934
32.	41.2	June 22	177	0	Top of 2 in. well tee			80	School	
32a.	+		175							Reported yield when drilled 27 g.p.m; static water level 9 ft. above surface of land
33.	+						7(app.)		Dom.	
34.	4.9	June 22	170	1.2	Top of concrete block				P. S.	Well No. 14, Water Supply Paper 576, p. 136. Numerous pumps connected to well
35.									Dom.	
36.	4.4	June 23	173	3.1	Top of well elbow	24	7(app.)	74	Dom.	
36a.	−									

TABLE 12—RECORD OF WATER WELLS IN COAHOMA COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
37.	NW.1/4, SW.1/4, Sec.15, T.27 N., R. 5 W.	J. H. Sherard		1918	2	1535	.....	.....	.....	.....	Sand	Meridian
38.	SE.1/4, NW.1/4, Sec.15, T.27 N., R. 5 W.	Gotcher & Ratliff	T. B. Minyard	1918	3	1487	.....	.....	30	.....	Sand	Meridian
39.	NE.1/4, NW.1/4, Sec.15, T.27 N., R. 5 W.	Allen Cooperage Co.	C. M. Journey	1937	2	1470	1470	1416	51	83	Sand	Meridian
40.	NE.1/4, SE.1/4, Sec.18, T.27 N., R. 3 W.	Planters Oil Mill	Joe Theders	1908	.....	1350	.....	.....	40	.....	Sand	Meridian
41.	SW.1/4, NE.1/4, Sec.18, T.27 N., R. 3 W.	Town of Lyon	Joe Theders	1908	6	1300	.....	.....	.....	.....	Sand	Meridian
41a.	SW.1/4, NW.1/4, Sec.22, T.27 N., R. 3 W.	I. W. Barrett	T. B. Minyard	1927	.....	1197	1193	1078	.....	.....	Sand	Meridian
42.	NW.1/4, NE.1/4, Sec.24, T.27 N., R. 3 W.	City of Clarksdale	National Well Co.	.....	10	780	.....	.....	100	.....	Sand	Winona
43.	NW.1/4, NE.1/4, Sec.24, T.27 N., R. 4 W.	City of Clarksdale	Layne-Central	1912	6	1502	.....	.....	60(?)	12	Sand	Meridian
44.	NW.1/4, NW.1/4, Sec.24, T.27 N., R. 4 W.	City of Clarksdale	Layne-Central	1930	16	145	145	85	60	.....	Sand & gravel	Alluvium
45.	NW.1/4, NW.1/4, Sec.24, T.27 N., R. 4 W.	City of Clarksdale	Layne-Central	1924	12	760	760	680(?)	80	.....	Sand	Winona
46.	NW.1/4, NW.1/4, Sec.24, T.27 N., R. 4 W.	City of Clarksdale	Layne-Central	1930	12	145	145	105	40	.....	Sand & gravel	Alluvium
47.	NE.1/4, NE.1/4, Sec.23, T.27 N., R. 4 W.	City of Clarksdale	Layne-Central	1928	12	145	145	105	40	.....	Sand & gravel	Alluvium
48.	NE.1/4, NE.1/4, Sec.23, T.27 N., R. 4 W.	City of Clarksdale	Layne-Central	1935	8	760	760	679(?)	80	.....	Sand	Winona
49.	NE.1/4, NE.1/4, Sec.23, T.27 N., R. 4 W.	City of Clarksdale		.....	6	1300	.....	.....	.....	.....	Sand	Meridian
50.	NE.1/4, NE.1/4, Sec.23, T.27 N., R. 4 W.	City of Clarksdale		.....	6	1300	.....	.....	.....	.....	Sand	Meridian
51.	NE.1/4, NE.1/4, Sec.23, T.27 N., R. 4 W.	Alcazar Hotel	Layne-Central	1939	4	732	732	.....	.....	.....	Sand	Winona
52.	NE.1/4, SW.1/4, Sec.28, T.27 N., R. 5 W.	J. W. Baugh & Sons	C. M. Journey	1932	2	1442	1442	1382	60	42	Sand	Meridian
53.	SW.1/4, SE.1/4, Sec.27, T.27 N., R. 4 W.	Frank Saponi	T. B. Minyard	1937	2	1313	1313	.....	40	.....	Sand	Meridian
54.	NW.1/4, SE.1/4, Sec.26, T.27 N., R. 4 W.	J. E. Bramlett	J. A. Pollard	1917	3	860	.....	.....	.....	.....	Sand	Winona
56.	SW.1/4, NE.1/4, Sec.34, T.27 N., R. 4 W.	C. Monty	C. M. Journey	1935	2	1260	1260	1200	60	69	Sand	Meridian

TABLE 12—RECORD OF WATER WELLS IN COAHOMA COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.) Flow	Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
37.	+	.....	.....	.....	.....	.....	.....	.....	Dom.	
38.	+	June 23	.....	.....	.....	.....	.....	.....	Dom.	Reported decline of static head
39.	18(app.)	Mar. 8, 1937	165	0	Level of land at well head	36	.....	.....	Ind.	Reported yield and static level of water when drilled
40.	+	.....	.....	.....	.....	.....	.....	.....	Ind.	
41.	4.0	June 27, 1939	173	0.5	Top of 3 in. well elbow	100	.....	.....	P. S.	Reported yield May 4, 1938
41a.	.....	.....	.....	.....	.....	.....	.....	.....	Dom.	
42.	−35(app.)	June 21	173	0	Level of land at well head	.....	1200	.....	P. S.	For emergency use only. Static level reported
43.	+	.....	.....	.....	.....	.....	.....	.....	P. S.	Well No. 1, Water Supply Paper 576, p. 136
44.	−	.....	174	.....	.....	.....	2600	.....	Ind.	Used for condensing purposes in city power plant
45.	−35(app.)	June 21	174	.....	.....	.....	2100	67	P. S.	
46.	−	.....	174	.....	.....	.....	1200	.....	Ind.	
47.	−	.....	174	2	Top of pump base plate	.....	1200	.....	Ind.	
48.	−	.....	174	.....	Top of pump base plate	.....	750	67	P. S.	
49.	2.7	June 21	174	0	Top of 2 in. well tee	.....	.....	.....	P. S.	Combined yield of wells 43, 49, 50, reported 40 g.p.m.
50.	2.7	June 21	174	0	Top of 2 in. tee, west side of reservoir	.....	.....	.....	.....	Well buried in Sharkey Avenue
51.	−	.....	.....	.....	.....	.....	50(app.)	67	Hotel	Used for air-conditioning
52.	12.0	June 23	166.	1	Top of well tee	15½	.....	74	Dom.	Slightly gray-colored water
53.	12.2	June 24	162	0.5	Top of well tee	.....	.....	.....	Dom.	
54.	6(app.)	June 24	171	1	Top of well tee	.....	20(app.)	68	Dom.	
56.	8.0	June 24	165	1.5	Top of well tee	26	5(app.)	70	Dom.	

TABLE 12—RECORD OF WATER WELLS IN COAHOMA COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
58.	NW.1/4, NE.1/4, Sec.6, T.26 N., R. 3 W.	Hopson Planting Co.	Joe Theders	1921	4	1200	1200	.....	.....	.....	Sand	Meridian
59.	SW.1/4, NE.1/4, Sec.4, T.26 N., R. 3 W.	Hopson Planting Co.	Joe Theders	.....	2(?)	1200	1200	.....	.....	.....	Sand	Meridian
60.	NE.1/4, NW.1/4, Sec.2, T.26 N., R. 3 W.	Robert Coleman		.....	.....	.....	.....	.....	.....	.....	.....	
62.	NW.1/4, NE.1/4, Sec.14, T.26 N., R. 5 W.	T. H. Allen	T. B. Minyard	1935	2(?)	1305	.....	.....	.....	.....	Sand	Meridian
63.	NW.1/4, NW.1/4, Sec.13, T.26 N., R. 5 W.	H. H. Humphreys & others	Joe Theders	1918	3	1242	.....	.....	.....	.....	Sand	Meridian
63a.	NW. 1/4, SE.1/4, Sec.18, T.26 N., R. 4 W.	W. E. Young	T. B. Minyard	1934	2	1426	1426	1382	42	82	Sand	Meridian
64.	NE.1/4, SE.1/4, Sec.17, T.26 N., R. 3 W.	Mrs. E. L. Adams	Joe Theders	.....	2(?)	1200(app.)	.....	.....	.....	.....	Sand	Meridian
65.	NE. Cor., Sec.22, T.26 N., R. 4 W.	Holly Grove Farms	Delta Drilling Co.	1941	....	1340	1340	.....	.....	107	Sand	Meridian
66.	SE.1/4, NE.1/4, Sec.15, T.26 N., R. 3 W.	Roy Flowers	C. M. Journey	1934	3	1301	1301	1143	56	.....	Sand	Meridian
68.	SE.1/4, NE.1/4, Sec.28, T.26 N., R. 3 W.	Dr. Raney & others	T. B. Minyard	1925	3	1297	1297	.....	40	.....	Sand	Meridian
69.	NE.1/4, NE.1/4, Sec.7, T.25 N., R. 3 W.	Mrs. J. W. Lawler	T. B. Minyard	1919	2	707	707	.....	.....	16	Sand	Winona
70.	SW.1/4, NE.1/4, Sec.1, T.25 N., R. 4 W.	Fishing Bayou School	T. B. Minyard	1936	3	1379	1379	1329	50	114	Sand	Meridian
71.	NW.1/4, NE.1/4, Sec.1, T.25 N., R. 3 W.	Roy Flowers		1919	.....	1100	.....	.....	.....	.....	Sand	Basic City(?)
71a.	SW.1/4, SE.1/4, Sec.34, T.26 N., R. 3 W.	Mr. Califf	T. B. Minyard	1919	2	1246	1246	.....	70	61	Sand	Meridian
71b.	NE.1/4, SE.1/4, Sec.3, T.26 N., R. 3 W.	J. H. Luckett	T. B. Minyard	1919	2	1188	1188	1088	160	31	Sand	Meridian
72.	NW. 1/4, NW.1/4, Sec.16, T.25 N., R. 4 W.	County School		1923	2	1336	1329	1269	40	64	White sand	Meridian
73.	NW.1/4, NE.1/4, Sec.4, T.25 N., R. 3 W.	Roy Flowers	T. B. Minyard	1935	3	1100	.....	.....	.....	.....	Sand	Basic City(?)
74.	SE.1/4, SW.1/4, Sec.20, T.25 N., R. 4 W.	G. Johnson	J. N. Fewell	1914	2	1359	1359	.....	35	.....	Sand	Meridian
74a.	NW.1/4, NE.1/4, Sec.27, T.25 N., R. 4 W.	J. F. Weeks	T. B. Minyard	.....	2	1367	1367(?)	.....	.....	42	Sand	Meridian
75.	SE.1/4, SW.1/4, Sec.25, T.25 N., R. 4 W.	G. Johnson	C. M. Journey	1938	2	1363	1363	.....	40	84	Sand	Meridian

TABLE 12—RECORD OF WATER WELLS IN COAHOMA COUNTY—(Continued)

	Water Level		Measuring point							
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description	Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
58.	9.8	June 26	166	1	Top of well tee	.....	.....	.....	Dom.	Gradual decline in static head reported
59.	20.6	June 26	160	−5	1½ in. tee at government brake	.....	.....	.....	Dom.	Used by farm laborers
60.	+	.....	160	.....	.....	10	.....	71½	Dom.	Found flowing
62.	13.8	June 23	165	0.5	Top of well tee	.....	.....	.....	Dom.	
63.	+	.....	.....	.....	.....	.....	.....	.....	P. S.	Well head buried. Decline in static head reported
63a.	.....	.....	.....	.....	.....	20	.....	.....	Dom.	Completed with modified gravel screen
64.	11.2	June 26	161	0	Top of well tee	.....	.....	.....	Dom.	
65.	.....	.....	160	.....	Surface of the land	.....	.....	.....	Dom.	
66.	14.6	June 26	157	1.5	Top of well tee	32	.....	.....	Dom.	2 screens. Reported yield when drilled
68.	8.7	June 26	164	1.3	Top of well tee	.....	.....	.....	P. S.	
69.	.....	.....	159	.....	.....	.....	.....	.....	Dom.	
70.	11.5(app.)	June 26	160	3.5	Top of well tee	45	.....	.....	School	Reported yield when drilled
71.	7	June 26	155	0	Tee at faucet on east lawn	.....	.....	.....	Dom.	
71a.	.....	.....	162	.....	.....	.....	.....	.....	.....	Reported yield when drilled 45 g.p.m., static level 25 ft. above surface of land
71b.	.....	.....	159	.....	.....	.....	.....	.....	Dom.	Reported yield when drilled, 55 g.p.m.
72.	17.25	June 24	154	1	Top of well tee	.....	.....	.....	School	Reported yield when drilled, 35 g.p.m.
73.	6.6	June 26	159	1.7	Top of well elbow	.....	.....	.....	Dom.	
74.	17.45	June 24	154	0	1 in. tee by roadside trough	.....	.....	.....	Dom.	Well head buried
74a.	+	.....	.....	.....	.....	.....	.....	.....	Dom.	
75.	19.15	June 12	153	1	Top of well tee	.....	.....	.....	Dom.	

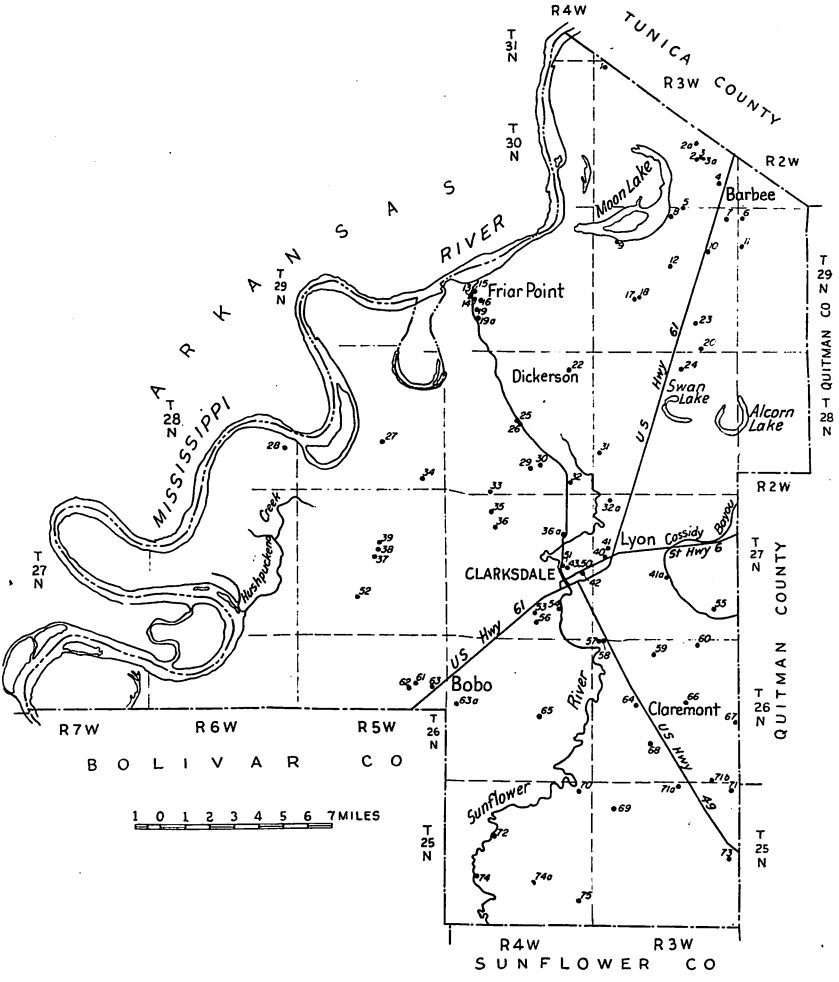


Figure 22.—Map of wells in Coahoma County.

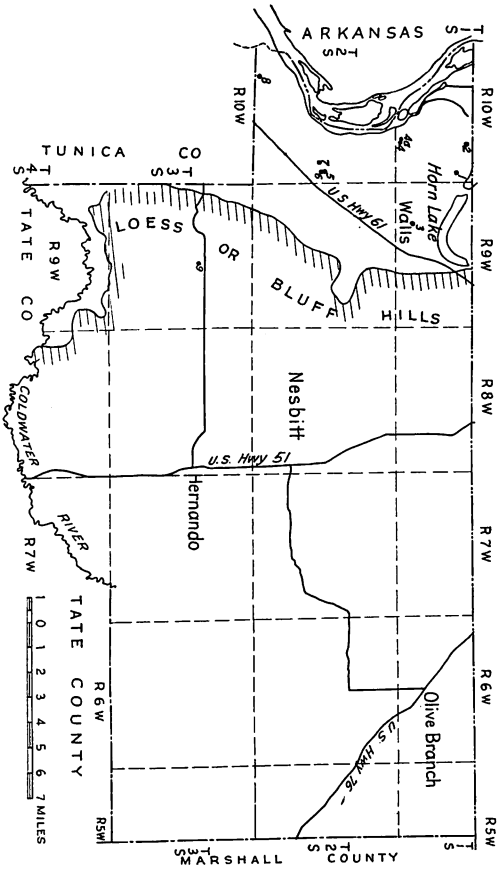


Figure 23.—Map of wells in DeSoto County.

TABLE 13—RECORD OF WATER WELLS IN DESOTO COUNTY

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
1.	SW.1/4, NE.1/4, Sec.24, T.1 S., R. 10 W.	R. P. Harris	Mr. Seay	1921	3	1532	1532	.....	60	.....	Sand	Lower Wilcox
2.	NW.1/4, NE.1/4, Sec.23, T.1 S., R. 10 W.	T. P. Howard	T. B. Minyard	1926	3(?)	1580	.....	.....	.....	.....	Sand	Lower Wilcox
3.	NW.1/4, NE.1/4, Sec.32, T.1 S., R. 9 W.	H. P. Sullivan	C. M. Journey	1935	2	1525	.....	.....	.....	57	Sand	Lower Wilcox
4.	NE.1/4, SW.1/4, Sec.35, T.1 S., R. 10 W.	O. L. Cox		1922	3(?)	1580	.....	.....	.....	.....	Sand	Lower Wilcox
4a.	NE.1/4, SW.1/4, Sec.35, T.1 S., R. 10 W.	O. L. Cox	C. M. Journey	1940	3	1541	1541	1499	42	80	Sand	Lower Wilcox
5.	NW.1/4, NE.1/4, Sec.24, T.2 S., R. 10 W.	Mrs. J. C. Brantley	E. S. Archer	.....	2½	1460	.....	.....	20	.....	Sand	Lower Wilcox
6.	NW.1/4, NE.1/4, Sec.24, T.2 S., R. 10 W.	Mrs. J. C. Brantley		.....	4½	2120	.....	.....	.....	.....	.....	Lower Wilcox
7.	NW.1/4, NW.1/4, Sec.24, T.2 S., R. 10 W.	W. W. Blythe & others	J. A. Pollard	.....	3	1560	.....	.....	.....	.....	Sand	Lower Wilcox
8.	SW.1/4, SE.1/4, Sec.32, T.2 S., R 10 W.	I. A. Clement		.....	3	1800	.....	.....	.....	.....	Sand	Lower Wilcox
9.	NE.1/4, NW.1/4, Sec.15, T.3 S., R. 9 W.	S. B. Dean	C. M. Journey	1938	4	324	324	310	16	29	Sand	Cockfield
10.	NW.1/4, SE.1/4, Sec.13, T.3 S., R. 8 W.	Town of Hernando	Layne-Central Co.	1934	8	250	.....	.....	.....	50+	Sand	Kosciusko
11.	NW.1/4, SE.1/4, Sec.13, T.3 S., R. 8 W.	Town of Hernando	Layne-Central Co.	1940	8	250	.....	.....	.....	50+	Sand	Kosciusko
12.	SW.1/4, NE.1/4, Sec.2, T.4 S., R. 9 W.	Arkabutla K III bore hole		1940	.....	365	.....	.....	.....	.....	.....	Kosciusko(?)

TABLE 13—RECORD OF WATER WELLS IN DESOTO COUNTY—(Continued)

	Water Level		Measuring point			Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
1.	7.0	July 15	213	1	Top of well tee	70	10(app.)	.....	Dom.	Reported yield when drilled
2.	16.3	July 15	210	0	Top of well tee	.....	.....	.....	Dom.	Reported decline of static head
3.	16.25	July 15	205	0	Top of well tee	.....	.....	.....	Dom.	Static head of 18 feet reported when drilled
4.	18.75	July 15	207	1	Top of 1¼ in. lower tee	.....	.....	74	Dom.	
4a.	+	May 22	206	0	Level of land at well head	120	.....	.....	Dom.	4½ in. casing land at 1139 feet 8 in. Reported by driller
5.	16.0	July 15	210	3	Top of well tee	140	.....	.....	Dom.	Reported yield when drilled
6.	+	.....	.....	.....	.....	1	.....	.....	Aban.	
7.	−18.9	July 15	206	2	Top of well tee	.....	.....	77	P. S.	
8.	21.85	July 15	205	1.5	Top of well tee	.....	.....	.....	Dom.	
9.	−80.0(app.)	Feb. 22, 1940	301	0	Concrete pump base	25	.....	.....	Saw Mill	
10.	.....	.....	.....	.....	.....	250	.....	.....	P. S.	
11.	.....	.....	.....	.....	.....	250	.....	.....	P. S.	
12.	.....	.....	197.5	.....	.....	.....	.....	.....	.....	

TABLE 14—RECORD OF WATER WELLS IN GRENADA COUNTY

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
1.	SW.1/4, SE.1/4, Sec.6, T.22 N., R. 5 E.	Joe P. Meaders	J. A. Pollard	1906	4	97.8	90	.....	.....	.....	.....	Meridian
2.	NE.1/4, SE.1/4, Sec.6, T.22 N., R. 2 E.	Zake Simms		1918	2	.....	.....	.....	.....	.....	.....	.....
3.	SW.1/4, NE.1/4, Sec.11, T.22 N., R. 2 E.	Dr. Whittiker		1918	2	.....	.....	.....	.....	.....	.....	.....
4.	SE.1/4, SW.1/4, Sec.12, T.22 N., R. 2 E.	Mr. James Steele		.....	2	200(?)	.....	.....	.....	.....	.....	Meridian
5.	NW.1/4, NE.1/4, Sec.12, T.22 N., R. 2 E.	Earl Statton		1918	2½	.....	.....	.....	.....	.....	.....	Meridian
6.	SW.1/4, NE.1/4, Sec.7, T.22 N., R. 5 E.	Frank Marascal Co.		.....	2	517	517	497	20	.....	.....	Middle Wilcox
7.	SW.1/4, NW.1/4, Sec.8, T.22 N., R. 5 E.	J. M. Cooley		.....	2	200±	.....	.....	.....	.....	.....	Meridian
8.	NE.1/4, NW.1/4, Sec.17, T.22 N., R. 5 E.	Town of Grenada		1913	4	620	.....	460	30(?)	30	Sand	Middle Wilcox
9.	NE.1/4, NW.1/4, Sec.17, T.22 N., R. 5 E.	Town of Grenada	J. W. Gray Artesian Well Co.	1925	12	172	.....	132	.....	40	Sand	Meridian
10.	NE.1/4, NW.1/4, Sec.17, T.22 N., R. 5 E.	Town of Grenada	J. W. Gray Artesian Well Co.	1925	13	172	.....	132	30	40	Sand	Meridian
11.	NW.1/4, NW.1/4, Sec.18, T.22 N., R. 5 E.	Dr. Clanton	Delta Drilling Co.	1940	.....	794	794	632	.....	50	Fine sand & sandy clay	Lower Wilcox
12.	SW. 1/4, SW.1/4, Sec.15, T.22 N., R. 3 E.	Grade School	C. M. Journey	1937	2	983	983	943	40	.....	Sand	Wilcox
13.	SW.1/4, NW.1/4, Sec.15, T.22 N., R. 2 E.	State		.....	2	.....	.....	.....	.....	.....	.....	.....
14.	NE.1/4, SE.1/4, Sec.17, T.22 N., R. 2 E.	Claude Shaw	Tony Gee	Sept. 1931	2	380	150	.....	.....	80(?)	.....	Meridian
15.	NE.1/4, SE.1/4, Sec.20, T.22 N., R. 3 E.	E. D. Holcomb	Gayoso Lbr. Co.	.....	3	400(?)	.....	.....	.....	.....	.....	Meridian(?)
16.	NW. 1/4, NW. 1/4, Sec.22, T.22 N., R. 3 E.	Town of Holcomb		.....	.....	400(?)	.....	.....	.....	.....	.....	Meridian(?)
17.	SW.1/4, SW.1/4, Sec.8, T.21 N., R. 6 E.	Oscar Gislen	E. Ratliff	1938	3	394	.....	.....	.....	30	.....	Middle Wilcox
18.	NW. 1/4, NW.1/4, Sec.17, T.21 N., R. 6 E.	J. A. Thomas		.....	4	365(?)	365(?)	.....	.....	30	.....	Middle Wilcox
19.	NW.1/4, NW.1/4, Sec.14, T.21 N., R. 5 E.	Lynn Thomas	E. Ratliff	1935	2	447.5	.....	27	.....	.....	.....	Middle Wilcox

TABLE 14—RECORD OF WATER WELLS IN GRENADA COUNTY—(Continued)

	Water Level		Measuring point			Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
1.	3.0	Sept. 10, 1939	164	3.5	Top of 4 in. reducer	7.0	.....	62	Aban.	Found flowing. Well 12, Miss. Geol. Survey Bull. 55, table 12
2.	4.9	Oct. 11, 1938	141	3	Top of well tee	21	.....	65½	Dom. stock	Found flowing
3.	.....	.....	141	.....	Surface of land at well	5(app.)	.....	64½	Dom. stock	Found flowing
4.	1.1	Oct. 11, 1938	152	1.5	Top of well tee	2	.....	65	.....	Found flowing
5.	4.6	Oct. 11, 1938	168	3	Top of well elbow	10	.....	67	Dom. stock	Found flowing
6.	6.2	Oct. 28, 1942	193.6	2.5	Top of 2 in. elbow	4	.....	70	P. S.	Found flowing. Artesian head in 1919 was 15 ft. above surface of the land. Well 18, Miss. Geol. Survey Bull. 55, table 12
7.	4.76	April 11, 1942	177.4	1.64	Top of well elbow	4	.....	64	Dom. stock	Found flowing. Well 19, Miss. Geol. Survey Bull. 55, table 12
8.	2.5	Sept. 10, 1939	201.31	4.6	Top of 4 in. well tee	12	.....	70	P. S.	Flows into town reservoir. Well 23, Miss. Geol. Survey Bull. 55, table 12
9.	−16(app.)	Sept. 10, 1939	197	0	Surface of land at well	.....	500	64	P. S.	Static level of water reported. Well 24, Miss. Geol. Survey Bull. 55, table 12
10.	−16(app.)	Sept. 10, 1939	197	0	Surface of land at well	.....	500	64	P. S.	Static level of water reported. Well 25, Miss. Geol. Survey Bull. 55, table 12
11.	9.33	April 11, 1942	201.28	0	Concrete surface at well head	5	10	70¼	Dom.	Well 16, Miss. Geol. Survey Bull. 55. table 12
12.	24.7	Jan. 16, 1939	185.59	2.7	Top of well tee	.....	.....	.....	School	Found flowing partly open
13.	0(app.)	Oct. 11, 1938	144	2.8	Top of 2 in. pipe	.....	.....	.....	Dom.	
14.	.....	.....	137	.....	.....	15	.....	64½	Dom. stock	Found flowing
15.	23.0	July 8, 1939	165	2	Top of lower well tee	97½	.....	68	Aban.	Found flowing
16.	−4.20	Jan. 16, 1939	193.64	3.0	Top of 2 in. well tee	.....	.....	.....	P. S.	Equipped with manual pump
17.	4.55	Sept. 13, 1942	228.61	1.0	Top of casing 8 feet below elbow	15	.....	66½	Dom. stock	Found flowing. Well 59, Miss. Geol. Survey Bull. 55, table 12
18.	4.45	Jan. 1,,1943	+226.4	3.0	Top of well elbow	13	.....	66	Dom. stock	Found flowing. Well 69, Miss. Geol. Survey Bull. 55, table 12
19.	−2.84	April 4, 1942	229.55	2	Top of 2 in. casing	.....	.....	66	.....	Well 72, Miss. Geol. Survey Bull. 55, table 12

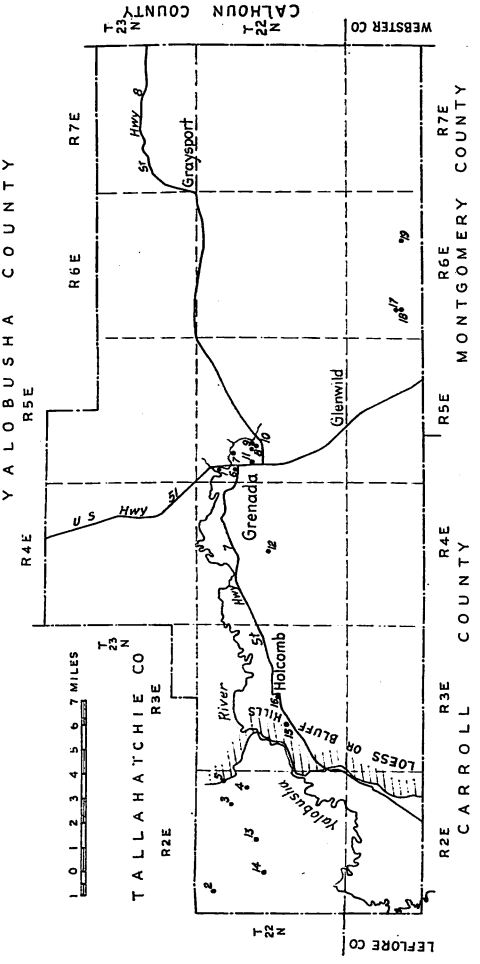


Figure 24.—Map of wells in Grenada County.

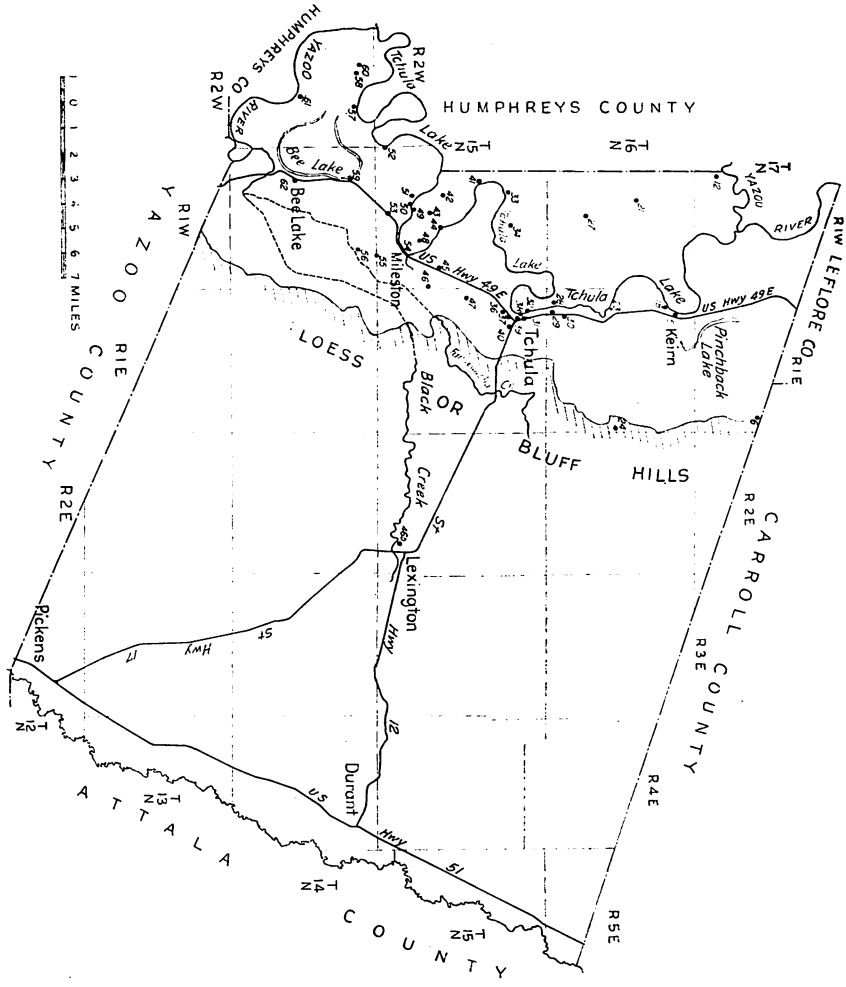


Figure 25.—Map of wells in Holmes County.

TABLE 15—RECORD OF WATER WELLS IN HOLMES COUNTY

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
6.	SE.1/4, NW.1/4, Sec.24, T.17 N., R. 1 E.	H. W. Vandiver		1920	2	350	.....	.....	.....	.....	Sand	Claiborne
12.	NW.1/4, NW.1/4, Sec.32, T.17 N., R. 1 W.	Mr. Spivey	T. B. Minyard	1922	3	1005	.....	.....	.....	.....	Sand	Kosciusko
15.	NW.1/4, SW.1/4, Sec.5, T.16 N., R. 1 E.	C. L. Jones	E. S. Archer	1910(?)	3	.....	.....	.....	.....	.....	.....	
18.	NE.1/4, NE.1/4, Sec.7, T.16 N., R. 1 E.	Sam Gwin		.....	3	.....	.....	.....	.....	.....	.....	
21.	SE.1/4, NW.1/4, Sec.16, T.16 N., R. 1 W.	C. R. Logan	E. S. Archer	1918	2	1060	1060	.....	.....	.....	Sand	Basic City-Winona
23.	SE.1/4, NE.1/4, Sec.19, T.16 N., R. 1 E.	J. E. Gwin		.....	3	.....	.....	.....	.....	.....	.....	
24.	NE.1/4, NE.1/4, Sec.24, T.16 N., R. 1 E.	S. H. Franklin, Jr.	C. M. Journey	1938	3	70	.....	.....	.....	.....	Gravel	Citronelle
27.	SE.1/4, NE.1/4, Sec.28, T.16 N., R. 1 W.	E. L. Hines	T. B. Minyard	1918	3	1065	1065	.....	.....	.....	Sand	Basic City-Winona
28.	NW.1/4, SE.1/4, Sec.31, T.16 N., R. 1 E.	W. M. Low		.....	3	900(?)	.....	.....	.....	.....	.....	
29.	SE.1/4, SE.1/4, Sec.31, T.16 N., R. 1 E.	Link-Newcomb Mill & Lbr. Co.	David Berry	1937	3	936	936	.....	.....	.....	Sand	Basic City-Winona
30.	NW.1/4, NW.1/4, Sec.32, T.16 N., R. 1 E.	Oliver Nixon	E. S. Archer	1915	2	800	800	.....	.....	.....	Sand	Basic City-Winona
31.	SW.1/4, SW.1/4, Sec.5, T.15 N., R. 1 E.	Nixon & Hays	E. S. Archer	1898	2	1100	.....	.....	.....	.....	Sand	Basic City-Winona
32.	SE.1/4, SE.1/4, Sec.6, T.15 N., R. 1 E.	W. M. Unger	T. B. Minyard	1925	4½	1140	.....	.....	.....	.....	Sand	Meridian
33.	NE.1/4, SE.1/4, Sec.8, T.15 N., R. 1 W.	Lee L. Hines	T. B. Minyard	1917	2	1235	1235	.....	.....	.....	Sand	Meridian(?)
34.	SW.1/4, NW.1/4, Sec.10, T.15 N., R. 1 W.	State Prison		.....	3	.....	.....	.....	.....	.....	.....	
36.	NW.1/4, SW.1/4, Sec.8, T.15 N., R. 1 E.	Y. & M. V. Railroad		1914	6	600	.....	.....	.....	.....	Sand	Kosciusko
37.	NW.1/4, SW.1/4, Sec.8, T.15 N., R. 1 E.	W. E. Ruff		1918(?)	1½	990	990	.....	.....	.....	Sand	Basic City-Winona
38.	NW.1/4, NW.1/4, Sec.8, T.15 N., R. 1 E.	Town of Tchula	Layne-Central	1916	5	987	987	.....	40	.....	Sand	Basic City-Winona
39.	NE.1/4, NW.1/4, Sec.8, T.15 N., R. 1 E.	Tchula Ice & Coal Co.	C. M. Journey	1930	4	578	578	518	60	.....	Sand	Kosciusko
40.	SW.1/4, NE.1/4, Sec.8, T.15 N., R. 1 E.	Town of Tchula	T. B. Minyard	1922	4	1051	.....	.....	.....	.....	Sand	Basic City-Winona
41.	SE.1/4, SW.1/4, Sec.8, T.15 N., R. 1 W.	W. E. Jones Estate		.....	3	1200	.....	.....	.....	.....	Sand	Basic City-Winona
42.	NW.1/4, NW.1/4, Sec.21, T.15 N., R. 1 W.	W. E. Jones Estate		.....	3	600	.....	.....	.....	.....	.....	Kosciusko

TABLE 15—RECORD OF WATER WELLS IN HOLMES COUNTY—(Continued)

	Water Level		Measuring point			Yield	(g.p.m.)	Temp.	Use of	
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description	Flow	Pump	°F.	water	Other records and general information
6.	7.0	Dec. 27, 1938	159	2	Top of well tee	.....	.....	67	Dom.	
12.	37.85	Dec. 30	117	2.4	Top of well tee	.....	.....	77	Dom.	
15.	19.5	Dec. 29	122	1	Top of well reducer	.....	.....	73	Dom.	
18.	22.4	Dec. 29	122	0	Top of well tee	.....	.....	73	Dom.	
21.	22.15	Dec. 30	126	2	Top of well tee	36	.....	74	Dom.	
23.	19.5	Dec. 29	122	3.7	Top of well tee	15	.....	74	Dom.	
24.	−	.....	.....	.....	.....	10	.....	.....	Dom.	
27.	23.5	Dec. 13	119	1	Top of well tee	.....	.....	.....	Dom.	
28.	19.6	Dec. 28	119	2	Top of well tee	.....	.....	74½	Dom.	
29.	22.1	Dec. 28	120	3.2	Top of upper well tee	.....	.....	72¼	Ind.	Reported yield when drilled, 85 g.p.m.
30.	23.0	Dec. 28	119	2.5	Top of well arch	.....	.....	.....	Dom.	
31.	19.5	Dec. 27	120	1.7	Top of well tee	.....	.....	71	Dom.	Well No. 31, Water Supply Paper 576, p. 217
32.	73.1	Dec. 27	120	1	Top of gate valve	210	.....	78	P. S.	Supplies 25 families
33.	55.0	Dec. 30	112	0.4	Top of well tee	.....	.....	.....	Dom.	
34.	24.25	Dec. 30	112	0	Top of well elbow	150	.....	78	Prison	
36.	4(app.)	Dec. 26	110	0	Top of discharge pipe	38	.....	69	Ind.	
37.	20.8	Dec. 26	114	2.3	Top of 2 in. well elbow	30	.....	75	P. S.	Reported static level of water when drilled 85 feet above land surface
38.	20.5	Dec. 24	118	0	Top of well tee	205	.....	76	P. S.	Well No. 30, Water Supply Paper 576, p. 217
39.	11.8	Dec. 27	118	1	Top of concrete tank by well	.....	.....	.....	Ind.	Reported yield when drilled, 170 g.p.m.
40.	35.1	Dec. 27	118	1.5	Top of well tee	.....	.....	.....	School	Well No. 29, Water Supply Paper 576, p. 217
41.	30.5	Dec. 22	112	0.8	Top of well tee	48	.....	80½	Aban.	Found flowing
42.	2.0	Dec. 22	110	0	Top of casing	2	.....	64.5	Dom.	Found flowing

TABLE 15—RECORD OF WATER WELLS IN HOLMES COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
43.	NE.1/4, SE.1/4, Sec.21, T.15 N., R. 1 W.	W. E. Jones Estate		.....	4½	1250(app.)	.....	.....	.....	.....	Sand	Basic City-Winona
44.	SE.1/4, NW.1/4, Sec.22, T.15 N., R. 1 W.	W. E. Jones Estate	T. B. Minyard	1916	3	1000	.....	.....	.....	.....	Sand	Basic City-Winona
45.	NW.1/4, SW.1/4, Sec.24, T.15 N., R. 1 W.	W. E. Jones Estate		1916	.....	1200	.....	.....	.....	.....	Sand	Basic City-Winona
46.	NE.1/4, NE.1/4, Sec.25, T.15 N., R. 1 W.	Mrs. Ethel West		.....	8	.....	.....	.....	.....	.....	.....	Kosciusko
46b.	NW.1/4, SE.1/4, Sec.35, T.15 N., R. 2 E.	Town of Lexington	Layne-Central	1936	8	1125	1125	.....	60	.....	Sand	Meridian
47.	NE.1/4, NW.1/4, Sec.19, T.15 N., R. 1 E.	Mrs. W. H. White		1918	.....	750(app.)	.....	.....	.....	.....	Sand	Kosciusko
48.	NE.1/4, NE.1/4, Sec.27, T.15 N., R. 1 W.	W. E. Jones Estate		.....	3	800	.....	.....	.....	.....	Sand	Kosciusko
49.	SW.1/4, NE.1/4, Sec.28, T.15 N., R. 1 W.	W. E. Jones Estate		.....	3	800	.....	.....	.....	.....	Sand	Kosciusko
50.	NE.1/4, SW.1/4, Sec.28, T.15 N., R. 1 W.	Milestone Planting Co.		1911	4	1200	.....	.....	.....	.....	Sand	Basic City-Winona
51.	SW.1/4, NW.1/4, Sec.28, T.15 N., R. 1 W.	J. L. Cunningham	C. M. Journey	1929	3	800	.....	.....	40(?)	.....	Sand	Kosciusko
52.	NW.1/4, SW.1/4, Sec.31, T.15 N., R. 1 W.	R. L. Peaster		1913	2½(?)	700	.....	.....	.....	.....	Sand	Kosciusko
53.	NW.1/4, SE.1/4, Sec.33, T.15 N., R. 1 W.	Stokes Jones Estate		.....	4	800	.....	.....	.....	.....	Sand	Kosciusko
54.	NW.1/4, NW.1/4, Sec.35, T.15 N., R. 1 W.	W. E. Jones Estate		1908	1½	1200	.....	.....	.....	.....	Sand	Basic City-Winona
55.	SE.1/4, SW.1/4, Sec.35, T.15 N., R. 1 W.	B. B. Jones	T. B. Minyard	.....	3	800	.....	.....	.....	.....	Sand	Kosciusko
56.	NE.1/4, SW.1/4, Sec.2, T.14 N., R. 1 W.	W. E. Jones		.....	1½	800	.....	.....	.....	.....	Sand	Kosciusko
57.	SE.1/4, SW.1/4, Sec.2, T.14 N., R. 2 W.	Mrs. C. W. Tinnin		1920	2½	.....	.....	.....	.....	.....	.....	Kosciusko
58.	NW.1/4, SW.1/4, Sec.3, T.14 N., R. 2 W.	C. D. Williams		1927	4(?)	1200	.....	.....	.....	.....	Sand	Basic City-Winona
59.	SE.1/4, NW.1/4, Sec.8, T.14 N., R. 1 W.	M. L. Smith	C. M. Journey	1938	3.2	1597	1597	.....	40	116	Sand	Meridian
60.	NW.1/4, SE.1/4, Sec.4, T.14 N., R. 2 W.	J. R. Peaster		1936	.....	650	.....	.....	.....	.....	Sand	Kosciusko
61.	NE.1/4, NE.1/4, Sec.22, T.14 N., R. 2 W.	W. M. Thompson		1918	.....	900	.....	.....	.....	.....	Sand	Kosciusko
62.	NW.1/4, SW.1/4, Sec.20, T.14 N., R. 1 W.	Mrs. C. W. Tinnin		1913	.....	675	.....	.....	20	20	Sand	Kosciusko

TABLE 15—RECORD OF WATER WELLS IN HOLMES COUNTY—(Continued)

	Water Level		Measuring point			Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
43.	30.4	Dec. 22	112	0	Top of well valve	.....	.....	.....	Dom.	
44.	24.6	Dec. 22	112	0	Top of 3 in. reducer	36	.....	78	Dom.	
45.	32.0	Dec. 23	118	1.1	Top of well tee	.....	.....	76¾	Dom.	
46.	7.6	Dec. 23	118	0	Top of 8 in. reducer	8	.....	67	Dom.	Found flowing
46b.	.....	.....	.....	.....	.....	.....	.....	78	P. S.	Found flowing 150 g.p.m.
47.	+	.....	.....	.....	.....	.....	.....	69	Dom.	Found flowing about 10 g.p.m.
48.	7.6	Dec. 22	110	0	Top of 3 in. reducer	6	.....	66½	Dom.	Found flowing
49.	16.3	Dec. 22	112	2	Top of 3 in. reducer	32½	.....	72	Dom.	Found flowing
50.	19.1	Dec. 24	113	1	Top of well tee	.....	.....	74	Dom.	
51.	18.1	Dec. 26	112	1.7	Top of well elbow	22½	.....	72¼	Dom.	
52.	18.3	Dec. 26	111	1.2	Top of well tee	.....	.....	70¾	Dom.	Well No. 33, Water Supply Paper 576, p. 217
53.	11.3	Dec. 24	116	0.5	Top of 4 in. casing	.....	.....	70½	Dom.	
54.	18.7	Dec. 23	116	0.5	Top of well tee	.....	.....	71	Dom.	
55.	18.5	Dec. 22	112	0	Top of well tee	35	.....	67¾	Dom.	
56.	15.5	Dec. 23	110	0	Top of well arch	.....	.....	.....	Dom.	
57.	18.4	Dec. 24	112	1.2	Top of well tee	.....	.....	71	Dom.	
58.	14.7	Dec. 24	112	1.4	Top of well tee	36	.....	73¼	Dom.	
59.	130.5	Nov. 20	111.72	0	Top of well tee	.....	.....	.....	.....	Yield when drilled, 70 g.p.m.
60.	7.7	Dec. 24	110	0	Top of well tee	14	.....	67	Dom.	
61.	24.15	Dec. 24	107	−0.5	Top of well valve	26	.....	71¼	Dom.	
62.	24.7	Dec. 24	110	2.8	Top of gate valve	.....	.....	.....	Dom.	Well No. 4, Water Supply Paper 576, p. 216

TABLE 16—RECORD OF WATER WELLS IN HUMPHREYS COUNTY

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length to screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
1.	NE.1/4, SW.1/4, Sec.6, T.16 N., R. 1 W.	Frank W. Gwin		.....	3	1400(?)	.....	.....	.....	.....	.....	Meridian(?) Basic City(?)
1a.	SE.1/4, SE.1/4, Sec.26, T.17 N., R. 3 W.	Simmons Bros.	T. B. Minyard	1913	2½	1300	.....	.....	.....	.....	Sand	Basic City
1b.	NE.1/4, NE.1/4, Sec.20, T.17 N., R. 3 W.	J. H. Hicks	T. B. Minyard	1925	3	1302	1302	1095	184	.....	Sand	Winona-Basic City
2.	NW.1/4, SE.1/4, Sec.3, T.16 N., R. 4 W.	Town of Isola	C. M. Journey	1936	4	819	819	779	40	59	Gray sand	Kosciusko
3.	NE.1/4, SE.1/4, Sec.3, T.16 N., R. 4 W.	F. H. Hudson		.....	2	807	807	.....	32	.....	Sand	Kosciusko
4.	NW.1/4, SW.1/4, Sec.2, T.16 N., R. 4 W.	J. D. Lee	T. B. Minyard	1912	4	1356	1250	.....	.....	.....	Sand	Kosciusko-Basic City
5.	SE.1/4, SW.1/4, Sec.9, T.16 N., R. 5 W.	M. L. Wilkerson	T. B. Minyard	1928	2	1806	.....	.....	40	.....	Sand	Meridian
6.	SE.1/4 SW.1/4, Sec.21, T.16 N., R. 4 W.	I. M. Dale	T. B. Minyard	1921	3	1515	.....	.....	.....	.....	Sand	Basic City
7.	NE.1/4, SE.1/4, Sec.28, T.16 N., R. 3 W.	Ashland Planting Co.	C. M. Journey	1936	2½	1700	1700	.....	40	.....	Sand	Meridian
10.	NW.1/4, NE.1/4, Sec.35, T.16 N., R. 3 W.	Wister Henry	C. M. Journey	1936	2	1627	1627	.....	40	.....	Sand	Meridian
11.	NE.1/4, NE.1/4, Sec.3, T.15 N., R. 3 W.	W. L. Horner Lbr. Co.		1912	4	700	700	.....	.....	.....	Sand	Kosciusko
12.	NE.1/4, SE.1/4, Sec.3, T.15 N., R. 3 W.	Humphreys Co. Oil Mill		.....	4	680	.....	.....	.....	.....	Sand	Kosciusko
14.	NE.1/4, SE.1/4, Sec.3, T.15 N., R. 3 W.	Town of Belzoni	W. F. Linsenmeyer	1905	4	630	.....	.....	.....	.....	Sand	Kosciusko
16.	NE.1/4, SE.1/4, Sec.3, T.15 N., R. 3 W.	Town of Belzoni	Layne-Central	1924	12	772	772	692	80	94	Sand	Kosciusko
17.	SW.1/4, SE.1/4, Sec.3, T.15 N., R. 3 W.	T. L. Bridges Estate		.....	4	780(?)	.....	.....	.....	50(?)	.....	Kosciusko
18.	NW.1/4, SE.1/4, Sec.3, T.15 N., R. 3 W.	J. C. Holbrook		1907	4	756	.....	.....	.....	.....	Sand	Kosciusko
19.	NE.1/4, NE.1/4, Sec.5, T.15 N., R. 4 W.	Roy Sorrel	T. B. Minyard	1937	2½	1108	1108	1068	40	.....	Sand	Kosciusko
20.	NW.1/4, NE.1/4, Sec.7, T.15 N., R. 3 W.	Erby Turner	T. B. Minyard	.....	4	1545	1545	.....	.....	38	Green sand	Basic City

TABLE 16—RECORD OF WATER WELLS IN HUMPHREYS COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.) Flow	Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
1.	23.3	Dec. 30, 1938	117	1.3	Top of well tee	.....	.....	76	Dom.	
1a.	18.4	June 8, 1939	117	2	Top of well tee	.....	.....	.....	Dom.	Well 39 in progress report of State Planning Commission
1b.	43.1	June 9, 1939	112	2	Top of well tee	.....	.....	81½	Dom.	Reported yield when drilled, 64 g.p.m., static level, 60 ft. above land surface
2.	−0.7	Dec. 12, 1938	112	.....	Top of pump base	.....	.....	.....	P. S.	Static level of water reported
3.	−1.9	Dec. 16, 1938	111	1.2	Top of well tee	.....	.....	.....	Aban.	Well No. 7, Water Supply Paper 576, p. 223
4.	18.8	Dec. 10, 1938	113	2	Top of well cross	9	.....	79¾	Stock	Well No. 8, Water Supply Paper 576, p. 223
5.	77.51	Mar. 7, 1939	107	0	Top of well tee	60	.....	89	Dom.	Finished with perforated pipe. Yield when drilled; 72 g.p.m., 37 lbs. pressure
6.	+	.....	.....	.....	.....	.....	.....	.....	Dom.	Yield when drilled, 125 g.p.m.
7.	102.0	Dec. 19, 1938	112	0.4	Top of well tee	.....	.....	84	Dom.	
10.	104.0	Nov. 1, 1939	114	0.5	Top of well tee	.....	.....	.....	Dom.	
11.	8.2	Dec. 12, 1938	112	0.2	Top of discharge pipe at curb	.....	10	.....	Ind.	
12.	3.6	Dec. 12, 1938	114	1.5	Top of well tee	14½	.....	73	Ind.	Found flowing. Well No. 4, Water Supply Paper 576, p. 223
14.	2.6	Dec. 10, 1938	114	1.3	Top of well elbow	19	.....	.....	P. S.	Well No. 1, Water Supply Paper 576, p. 223
16	5.5	Dec. 10, 1938	114	0.7	Top of plate at booster pump	.....	1800	73¾	P. S.	
17.	4.3	Dec. 12, 1938	115	3.1	Top of casing union	.....	.....	73½	Dom.	Well No. 5, Water Supply Paper 576, p. 223
18.	6.7	Dec. 12, 1938	114	1.4	Top of well tee	60	.....	71¾	Dom.	Well No. 3, Water Supply Paper 576, p. 223
19.	13.5	Jan. 11, 1939	101	1.2	Top of well arch	36	.....	72¾	Dom.	Reported static level of water when drilled, 22 ft. above land surface
20.	72.2	Jan. 11, 1939	107	0	Top of well tee	.....	.....	83¼	Dom.	Found flowing 16 g.p.m.

TABLE 16—RECORD OF WATER WELLS IN HUMPHREYS COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
21.	SW.1/4, NW.1/4, Sec.9, T.15 N., R. 3 W.	Turner Bros. Estate	C. M. Journey	1935	2	1682	1682	1642	40	55	Sand	Meridian
22.	SE.1/4, SW.1/4, Sec.16, T.15 N., R. 3 W.	Parker Estate	W. F. Linsenmeyer	.....	2	1000	.....	.....	.....	.....	Sand	Kosciusko
23.	SE.1/4, SE.1/4, Sec.16, T.15 N., R. 4 W.	County School		1924	3	1550(?)	.....	.....	.....	.....	Sand	Winona(?)
24.	SW.1/4, SW.1/4, Sec.23, T.15 N., R. 5 W.	Halbert Wray	T. B. Minyard	1924	3	998	998	.....	.....	.....	Sand	Kosciusko
25.	NW.1/4, NW.1/4, Sec.21, T.15 N., R. 3 W.	John Bridges	W. F. Linsenmeyer	.....	.....	1000	.....	.....	.....	.....	Sand	Kosciusko
26.	SE.1/4, SW.1/4, Sec.21, T.15 N., R. 3 W.	John G. Deason	W. F. Linsenmeyer	1918	2	1000	1000	.....	.....	.....	Sand	Kosciusko
27.	SW.1/4, NW.1/4, Sec.19, T.15 N., R. 1 W.	W. E. Jones Estate		1914(?)	2½	600	.....	.....	.....	.....	Sand	Kosciusko
28.	SW.1/4, NE.1/4, Sec.19, T.15 N., R. 1 W.	W. E. Jones Estate		1916(?)	3	600	.....	.....	.....	.....	Sand	Kosciusko
29.	NW.1/4, SE.1.4, Sec.27, T.15 N., R. 3 W.	Mrs. Alice James		1910	4	735	735	705	30	.....	Sand	Kosciusko
30.	NE.1/4, SW.1/4, Sec.27, T.15 N., R. 3 W.	S. H. Lusk Estate		1912	2½	765	765	745	20	20	Sand	Kosciusko
31.	NW.1/4, SE.1/4, Sec.28, T.15 N., R. 4 W.	K. I. Netter(?)	W. F. Linsenmeyer	.....	.....	670	.....	.....	.....	.....	Sand	Kosciusko
32.	SW.1/4, SE.1/4, Sec.34, T.15 N., R. 3 W.	Town of Silver City	W. F. Linsenmeyer	.....	4	1007	1007	980	27	.....	Sand	Kosciusko
33.	NW.1/4, SE.1/4, Sec.34, T.15 N., R. 3 W.	P. E. Garst		1912	2½	.....	860	.....	.....	.....	Sand	Kosciusko
34.	SW.1/4, SE.1/4, Sec.34, T.15 N., R. 3 W.	Mound City Gin Co.	W. F. Linsenmeyer	1919	2½	908	908	888	20	228	Sand	Kosciusko
35.	NE.1/4, NW.1/4, Sec.3, T.14 N., R. 3 W.	L. E. Miller	W. F. Linsenmeyer	1902	2½	820	.....	.....	.....	.....	Sand	Kosciusko
36.	NE.1/4, SW.1/4, Sec.4, T.14 N., R. 3 W.	Wister Henry	T. B. Minyard	1937	2½	1656	1656	.....	.....	.....	.....	Kosciusko
37.	SE.1/4, SW.1/4, Sec.8, T.14 N., R. 4 W.	G. Johnson	W. F. Linsenmeyer	1918	4	.....	.....	.....	.....	.....	.....	
38.	NE.1/4, NE.1/4, Sec.8, T.14 N., R. 3 W.	Homer Martin		.....	4	.....	.....	.....	.....	.....	Green sand	Kosciusko
40.	NW.1/4, NW.1/4, Sec.17, T.14 N., R. 3 W.	T. M. MacBeth		.....	2½	1020	.....	.....	.....	.....	.....	Kosciusko

TABLE 16—RECORD OF WATER WELLS IN HUMPHREYS COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.)		Temp.	Use of	Other records and
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description	Flow	Pump	°F.	water	general information
21.	114.1	Jan. 11, 1939	111	1	Top of well tee	120		88¼	Dom.	
22	9.0	Dec. 16, 1938		2.5	Top of well tee			70	Dom.	
23.	42.2	Jan. 11, 1939	108	2.3	Top of well tee			86	P. S.	
24.	14.8	Jan. 11, 1939	103	1.5	Top of well tee			70¼	Dom.	Yield when drilled, 33 g.p.m.
25.	12.5	Dec. 16, 1938	112	0	Top of 6 in. casing			69½	Dom.	
26.	10.75	Dec. 16, 1938	110	2	Top of well tee			72½	Dom.	
27.	10.6	Dec. 22, 1938	114	1	Top of well tee			68½	Dom.	
28.	+					22½		72	Dom.	Found flowing
29.	12.6	Jan. 19, 1939	110	2.7	Top of well tee			72	Dom.	Well No. 16, Water Supply Paper 576, p. 223
30.	10.6	Jan. 19, 1939	106	1.2	Top of well tee			73¾	Dom.	Found flowing 5 g.p.m.
31.	13.2	Jan. 11, 1939	100	0	Top of outlet at roadside	60		72	Dom.	Found flowing 6 g.p.m.
32.	15.6	Jan. 19, 1939	114	4	Top of well tee			76¾	P. S.	Found flowing about 10 g.p.m.
33.	3.0	Jan. 19, 1939	110	0	Level of land at well head	2		75¾	Aban.	Reported to stop flowing during dry mos. Well No. 15, Water Sup. Paper 576, p. 223
34.	7.0	Jan. 19, 1939	110	4	Top of concrete tank at boiler				Dom.	Well No. 18, Water Supply Paper 576, p. 223
35.	9.6	Jan. 19, 1939		2	Top of well tee				Dom.	Well No. 14, Water Supply Paper 576, p. 223
36.	17.1	Jan. 19, 1939	106	1.3	Top of well tee	40		75	Dom.	Yield when drilled, 85 g.p.m.
37.	6.25	Jan. 21, 1939	104	3.7	Top of well tee				Dom.	
38.	18.4	Jan. 21, 1939	100	3	Top of well tee			76	Dom.	
40.	17.9	Jan. 21, 1939	107	1.5	Top of well tee	36		76	Dom.	

TABLE 16—RECORD OF WATER WELLS IN HUMPHREYS COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
41.	NE.1/4, NW.1/4, Sec.18, T.14 N., R. 3 W.	C. D. Nixon	C. M. Journey	1934	2	1790	1790	.....	40	.....	Green sand	Meridian
42.	NW.1/4, NE.1/4, Sec.23, T.14 N., R. 4 W.	C. B. Box Estate	W. F. Linsenmeyer	1912(?)	4	500	500	.....	20	.....	Sand	Kosciusko
43.	SE.1/4, NE.1/4, Sec.23, T.14 N., R. 4 W.	Y. & M. V. Railroad		.....	.....	150	.....	.....	.....	.....	Sand and gravel	Alluvium
44.	SE.1/4, NE.1/4, Sec.23, T.14 N., R. 4 W.	C. B. Box Estate		1919	4	550	.....	.....	.....	70	Sand	Kosciusko
45.	NW.1/4, NE.1/4, Sec.34, T.14 N., R. 2 W.	Jack M. Howard, Mgr.	T. B. Minyard	1938	3.2	876	876	.....	.....	.....	Coarse sand	Kosciusko
46.	NE.1/4, SE.1/4, Sec.25, T.14 N., R. 4 W.	H. M. Love	W. F. Linsenmeyer	.....	4	541	541	.....	.....	.....	Sand	Kosciusko
47.	NE.1/4, SE.1/4, Sec.35, T.14 N., R. 4 W.	M. B. Stroud	W. F. Linsenmeyer	1920	2½	900(app.)	.....	.....	.....	.....	Sand	Kosciusko
48.	SW.1/4, NE.1/4, Sec.1, T.13 N., R. 4 W.	B. A. Holliday	W. F. Linsenmeyer	1919	2	900	900	.....	.....	.....	Sand	Kosciusko
49.	SE.1/4, SE.1/4, Sec.3, T.13 N., R. 4 W.	Holliday & Kern		.....	2½	.....	.....	.....	.....	.....	.....	
50.	NE.1/4, NE.1/4, Sec.5, T.13 N., R. 4 W.	L. B. Allen		.....	4	900(?)	.....	.....	.....	.....	.....	Kosciusko
51.	NW.1/4, SW.1/4, Sec.6, T.13 N., R. 4 W.	B. F. Seward		.....	2½	.....	.....	.....	.....	.....	.....	
52.	SE.1/4, SE.1/4, Sec.10, T.13 N., R. 4 W.	Town of Louise	Layne & Bowler, Inc.	1911	2½	920	920	.....	.....	.....	Sand	Kosciusko
53.	SE.1/4, SW.1/4, Sec.11, T.13 N., R. 4 W.	Mr. Kern	W. F. Linsenmeyer	1920	4	1000(app.)	.....	.....	.....	.....	Sand	Kosciusko
54.	NE.1/4, NW.1/4, Sec.12, T.13 N., R. 4 W.	C. D. Williams	David Berry	1938	2½	861	860	820	40	.....	Sand	Kosciusko
55.	NW.1/4, NE.1/4, Sec.17, T.13 N., R. 3 W.	B. A. Holliday	W. F. Linsenmeyer	1921	2½	900	.....	.....	.....	.....	Sand	Kosciusko
56.	NE.1/4, NE.1/4, Sec.15, T.13 N., R. 4 W.	Town of Louise	Layne-Central	1939	6	909	909	.....	.....	63	White sand	Kosciusko
57.	NW.1/4, NW.1/4, Sec.23, T.13 N., R. 4 W.	E. P. Sledge	W. F. Linsenmeyer	1907	2½	1100	1100	.....	.....	.....	Sand	Kosciusko & Basic City
58.	NW.1/4, NE.1/4, Sec.34, T.13 N., R. 4 W.	Harold Stone	W. F. Linsenmeyer	1924	4	980	980	.....	.....	.....	Sand	Kosciusko

TABLE 16—RECORD OF WATER WELLS IN HUMPHREYS COUNTY—(Continued)

	Water Level		Measuring point			Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
41.	96.8	Jan. 19, 1939	106	1.1	Top of well tee	7		83	Dom.	Finished with perforated pipe
42.	14.3	Jan. 21, 1939	107	0	Top of well tee	64		70	Dom.	Well No. 10, Water Supply Paper 576, p. 223
43.	−								Ind.	Used for railroad locomotives
44.	15.0	Jan. 21, 1939	105	0.5	Top of well tee	72		70	Dom.	Well No. 12, Water Supply Paper 576, p. 223
45.										First attempt to 771 ft. failed. Drilled second hole at same location. Flowed ±40 g.p.m. Well not fully developed
46.	23.3	Jan. 25	108	5	Top of well tee				Dom.	Reported yield when drilled, 220 g.p.m.
47.	19.0	Jan. 25	106	1.5	Top of well tee			74	Dom.	
48.	21.3	Jan. 26	110	2	Top of well tee	40		74½	Dom.	
49.	31.8	Jan. 25	99	1.2	Top of well tee	40		79	Dom.	
50.	26.2	Jan. 25	103	1.4	Top of well tee	51		73	Dom.	
51.	+							74	Dom.	Found flowing about 100 g.p.m.
52.	20.2	Jan. 25	107	1.3	Top of 3 in. elbow	62		79½	P. S.	Well No. 9, Water Supply Paper 576, p. 223
53.	20.2	Jan. 25	106	1.0	Top of well tee	36		77¼	Dom.	
54.	22.0	Jan. 26	107	1	Top of well plug	70		75	Dom.	
55.	31.1	Jan. 26	103	2	Top of well tee	67		77	Dom.	
56.	21.2	May 13	108	2	Top of 4 in. union	125	140	79¼	P. S.	
57.	25.1	Jan. 27	105	2	Top of well tee	60		81¼	Dom.	
58.	21.3	Jan. 27	101	0.8	Top of well tee				Dom.	

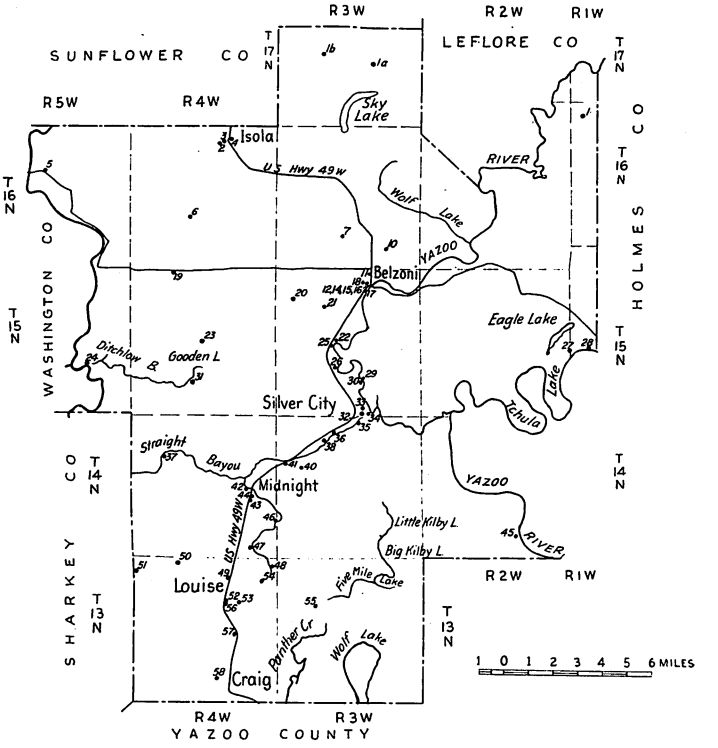


Figure 26.—Map of wells in Humphreys County.

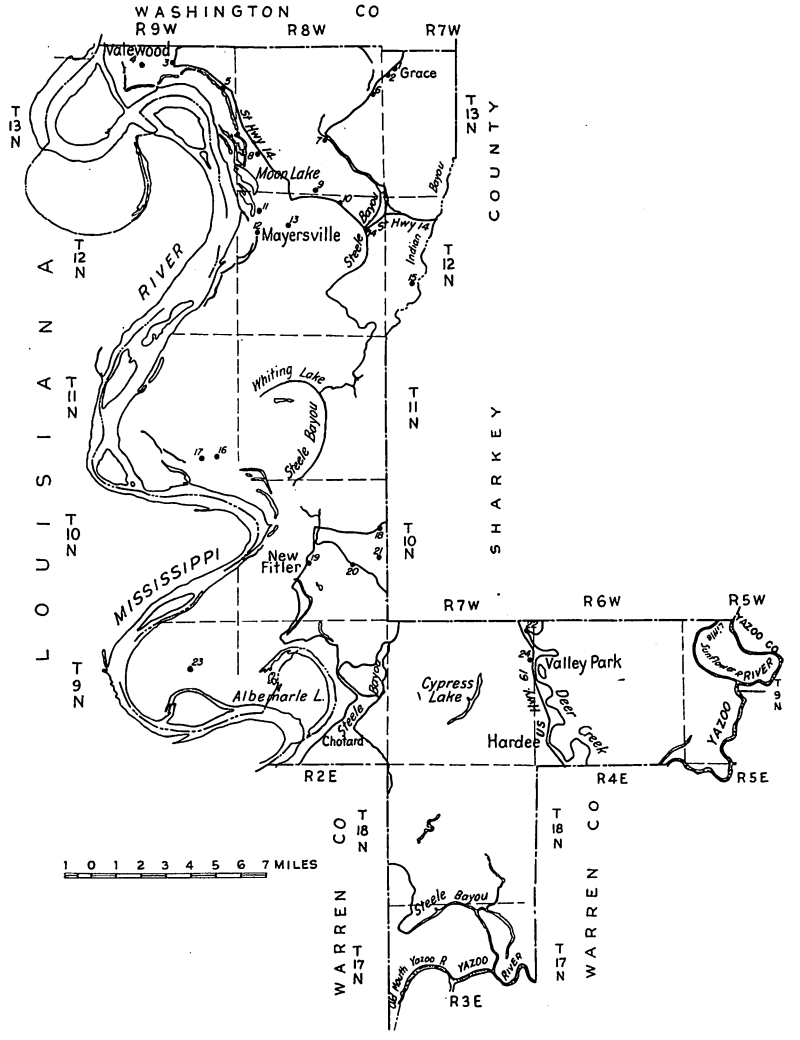


Figure 27.—Map of wells in Issaquena County.

TABLE 17—RECORD OF WATER WELLS IN ISSAQUENA COUNTY

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
1.	SE.1/4, SW.1/4, Sec.6, T.13 N., R. 7 W.	B. J. Tonnar	C. M. Journey	1928	4	976	976	911	60	.....	Sand	Kosciusko
2.	SE.1/4, SW.1/4, Sec.6, T.13 N., R. 7 W.	L. C. Dulaney	T. B. Minyard	1910	3	950	907	866	41	.....	Sand	Kosciusko
3.	NE.1/4, NE.1/4, Sec.11, T.13 N., R. 9 W.	F. E. Nicholson	Charles Perkins	1938	4	1400	.....	.....	.....	.....	Sand	Kosciusko
4.	SE.1/4, SE.1/4, Sec.9, T.13 N., R. 9 W.	F. E. Nicholson		.....	3	1100	.....	.....	.....	.....	Sand	Kosciusko
5.	SW.1/4, NE.1/4, Sec.14, T.13 N., R. 9 W.	W. H. Brown, Sr.		1934	.....	50	50	45	5	.....	Sand	Alluvium
6.	SW.1/4, SE.1/4, Sec.12, T.13 N., R. 8 W.	Mrs. Joel Meyers, Sr.	T. B. Minyard	1919	3	865	.....	.....	.....	.....	Sand	Kosciusko
7.	NE.1/4, SW.1/4, Sec.22, T.13 N., R. 8 W.	S. F. Alford	T. B. Minyard	1919	3	780	.....	.....	10	.....	Sand	Kosciusko
8.	SW.1/4, NE.1/4, Sec.30, T.13 N., R. 8 W.	George F. Stock	C. M. Journey	1933	2	935	935	892	43	85	Gray sand	Kosciusko
9.	NW.1/4, SW.1/4, Sec.34, T.13 N., R. 8 W.	Mrs. Ethel Hennessey		1918	2	950	.....	.....	.....	.....	Sand	Kosciusko
10.	SW.1/4, NW.1/4, Sec.7, T.12 N., R. 8 W.	Robert Burnett	T. B. Minyard	1929	3.2	1000	.....	.....	.....	.....	.....	Kosciusko
11.	SW.1/4, SE.1/4, Sec.1, T.12 N., R. 8 W.	Mrs. Ballum		1912	.....	.....	959	.....	.....	.....	Sand	Kosciusko
12.	NW.1/4, NE.1/4, Sec.3, T.12 N., R. 8 W.	Town of Mayersville	Layne-Bowler	1919	3	918	.....	.....	.....	.....	Sand	Kosciusko
13.	SW.1/4, NW.1/4, Sec.12, T.12 N., R. 8 W.	Thomas Russell		.....	2½	.....	.....	.....	.....	.....	.....	Kosciusko
14.	NW.1/4, SW.1/4, Sec.15, T.12 N., R. 8 W.	Steel Bayou Corp.		1910	4	1150(app.)	.....	.....	.....	.....	Sand	Kosciusko
15.	NW.1/4, SW.1/4, Sec.20, T.12 N., R. 7 W.			1906	4	.....	.....	.....	.....	.....	.....	Kosciusko
16.	SW.1/4, SE.1/4, Sec.13, T.11 N., R. 9 W.	L. E. Mann	C. M. Journey	1938	2	1243	1233	1192	41	106	Sand	Kosciusko
17.	SW.1/4, SW.1/4, Sec.12, T.11 N., R. 9 W.	Hunter White	C. M. Journey	1933	2	1115	1115	1073	42	57	Sand	Kosciusko
18.	NE.1/4, NE.1/4, Sec.15, T.10 N., R. 8 W.	Mrs. Frances Ricketts	C. M. Journey	1937	2	1214	1214	1173	41	171	Sand	Kosciusko
19.	SW.1/4, NE.1/4, Sec.22, T.10 N., R. 8 W.	Irby Charping	C. M. Journey	1935	2	1201	.....	.....	.....	.....	Sand	Kosciusko
20.	NW.1/4, SE.1/4, Sec.24, T.10 N., R. 8 W.	Irby Charping	C. M. Journey	1937	3	1316	1315	1272	43	29	Sand	Kosciusko
21.	NW.1/4, NE.1/4, Sec.25, T.10 N., R. 8 W.	A. S. Darden		1918(?)	2	1105	.....	.....	.....	.....	Sand	Kosciusko
22.	SW.1/4, NE.1/4, Sec.1, T.9 N., R. 7 W.	D. W. Hendricks		1928	4	900	.....	.....	.....	.....	Sand	Cockfield
23.	SW.1/4, SW.1/4, Sec.11, T.9 N., R. 9 W.	M. T. Campbell et al.	F. C. Crawley	1909	4	1100(?)	.....	.....	.....	.....	.....	Kosciusko
24.	SE.1/4, NE.1/4, Sec.12, T.9 N., R. 7 W.	W. W. Gary	T. B. Minyard	1923	8.4	1230	.....	.....	.....	66	Sand	Kosciusko

TABLE 17—RECORD OF WATER WELLS IN ISSAQUENA COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.)		Temp.	Use of	Other records and
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description	Flow	Pump	°F.	water	general information
1.	10.0	Feb. 24, 1939	108	1.2	Top of well valve	160	.....	.....	Dom.	Reported yield when drilled, 100 g.p.m., static level when drilled, 146 feet
2.	9.9	Feb. 27	108	1	Top of well tee	.....	.....	.....	Dom.	Analysis No. 2, Water Supply Paper 576, p. 226
3.	3.4	Apr. 25	114	2.5	Top of well tee	10	10	.....	Dom.	
4.	5.3	Apr. 25	115	2.8	Top of well elbow	.....	.....	74¼	Dom.	....
5.	−	.....	.....	.....	.....	.....	5	.....	Dom.	....
6.	11.7	Feb. 27	108	2	Top of well elbow	53	.....	.....	.....	Reported former static level of water, 14 ft. above land level
7.	15.0	Feb. 27	107	0.5	Top of well elbow	60	.....	.....	Dom.	Supplies two plantations
8.	12.0	Feb. 22	109	1.3	Top of well tee	60	.....	.....	Dom.	Reported yield when drilled
9.	11.7	Feb. 22	106	3.4	Top of well tee	.....	.....	75½	Dom.	
10.	17.4	Feb. 22	105	2.9	Top of upper well elbow	.....	.....	73	Dom.	Reported yield, 55 g.p.m. when drilled, static water level about 32 feet above the surface of the land
11.	.....	Feb. 22	109	1.8	Top of well tee	68	.....	75¾	Dom.	Finished with two screens separated with one joint of blank pipe
12.	+	.....	.....	.....	.....	52	.....	75¾	P. S.	
13.	15.6	Feb. 22	105	3.5	Top of well tee	.....	.....	.....	Dom.	
14.	11.5	Feb. 20	104	2.5	Top of 2 in. elbow on tank drain	.....	.....	.....	Dom.	
15.	25.0	Feb. 22	97	2.5	Top of well tee	16	.....	75½	Aban.	Found flowing
16.	26.7	Feb. 21	103	1	Top of well tee	31	.....	.....	Dom.	Reported yield
17.	25.6	Feb. 21	104	2.7	Top of well tee	72	.....	79	Dom.	Reported yield when drilled
18.	37.7	Feb. 9	95	0.4	Top of well tee	80	.....	82	Dom.	Reported yield
19.	37.8	Feb. 8	93	1.3	Top of well tee	90	.....	80	Dom.	Reported yield
20.	38.1	Feb. 9	93	1.5	Top of well tee	48	.....	82	Dom.	
21.	26.8	Feb. 9	100	2.9	Top of well tee	13	.....	78¼	Dom.	
22.	38.0	Feb. 9	98	0.5	Top of 4 in. casing	.....	.....	78¼	Dom.	
23.	+	.....	.....	.....	.....	50	.....	82	Stock	Found flowing
24.	44.6	.....	98.13	3.3	Top of well tee	370	.....	89½	.....	Reported yield when drilled, 250 g.p.m., static level, 40 ft. above surface of land

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
1.	NW.1/4, NW.1/4, Sec.2, T.22 N., R. 1 W.	D. Reynolds		.....	.2	1000	.....	.....	.....	.....	.....	Meridian
2.	NW.1/4, NE.1/4, Sec.8, T.22 N., R. 2 W.	P. H. Brooks Co.	T. B. Minyard	1922	3.2	932	932	782	150	.....	Sand	Meridian
2a.	SE.1/4, SE.1/4, Sec.9, T.22 N., R. 2 W.	P. H. Brooks Co.	T. B. Minyard	1935	.....	967	967	914	42	.....	Sand	Meridian
3.	NE.1/4, NW.1/4, Sec.10, T.22 N., R. 2 W.	Jim Heron	T. B. Minyard	1934(?)	2	1000	1000	.....	.....	.....	Sand	Meridian
3a.	NW.1/4, SE.1/4, Sec.6, T.22 N., R. 1 W.	New Coahoma Plantation	T. B. Minyard	1935	3	511	511	.....	.....	.....	.....	Winona
4.	SW.1/4, NE.1/4, Sec.11, T.22 N., R. 1 W.	Mr. Somerville	C. M. Journey	1923	3	1442	1442	.....	40–60	.....	Sand	Lower Wilcox
5.	SW. 1/4, NE.1/4, Sec.11, T.22 N., R. 1 W.	Mr. Somerville	T. C. Garrett	.....	2	500	.....	.....	.....	.....	Sand	Winona
6.	NE.1/4, NE.1/4, Sec.15, T.22 N., R. 1 W.	Feigler Estate	C. E. Feigler	.....	2	437	.....	.....	.....	.....	Sand	Winona
7.	Center NE.1/4, Sec.18, T.22 N., R. 1 W.	C. L. Coon		.....	3	.....	.....	.....	.....	.....	.....	
7a.	SW.1/4, NW.1/4, Sec.12, T.22 N., R. 2 W.	Carraway Planting Co.	Kenneth Journey	1940	2	897	897	.....	40	.....	Sand	Meridian
8.	NW.1/4, NW.1/4, Sec.20, T.22 N., R. 2 W.	J. D. Swiney	T. B. Minyard	1913(?)	2	958	958	.....	.....	.....	Sand	Meridian
9.	Sec. line Secs.17-20, T.22 N., R. 2 W.	Pamp Smith	C. M. Journey	1936	2	978	978	919	59	32	Gray sand	Meridian
10.	Sec. line Secs.21-16, T.22 N., R. 2 W.	Dr. J. D. Milburn	Tenant	1933	2	49	52	.....	.....	.....	Sand & gravel	Alluvium
11.	NE.1/4, SE.1/4, Sec.23, T.22 N., R. 2 W.	I. B. Taney		1918	2(?)	600(?)	.....	.....	.....	.....	Yellow sand	Winona
12.	SE.1/4, SE.1/4, Sec.21, T.22 N., R. 1 W.	L. J. MacDuff	Mr. Seay	1917(?)	3	.....	.....	.....	40(?)	.....	.....	Meridian
13.	SW.1/4, SW.1/4, Sec.22, T.22 N., R. 1 W.	L. J. MacDuff		1900(?)	2(?)	.....	.....	.....	.....	.....	.....	
14.	NW.1/4, NE.1/4, Sec.28, T.22 N., R. 1 W.	Minter City Oil Mill	C. E. Feigler	1925	3	600	.....	.....	.....	.....	.....	Winona
15.	NW.1/4, NE.1/4, Sec.28, T.22 N., R. 1 W.	Minter City Oil Mill	C. E. Feigler	1901	.....	900(?)	.....	.....	.....	.....	.....	
16.	NW.1/4, NE.1/4, Sec.28, T.22 N., R. 1 W.	Minter City Oil Mill	C. E. Feigler	1925	3	700	700	660	40	.....	Sand	Basic City
17.	NE.1/4, SW.1/4, Sec.30, T.22 N., R. 1 W.	Fisher Avent	C. E. Feigler	1903	2	550(?)	550(?)	.....	.....	.....	.....	Winona(?)
17a.	NE.1/4, NE.1/4, Sec.32, T.22 N., R. 1 W.	Claude Nixon	T. B. Minyard	.....	.....	805	805	.....	.....	41	Sand	Meridian
18.	NW.1/4, NE.1/4, Sec.32, T.22 N., R. 2 W.	D. E. Strain	C. M. Journey	.....	2	.....	.....	.....	.....	.....	.....	
19.	SW.1/4, SE.1/4, Sec.33, T.22 N., R. 2 W.	R. E. Gibson		.....	2(?)	.....	.....	.....	.....	.....	.....	

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.)		Temp.	Use of	Other records and
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description	Flow	Pump	°F.	water	general information
1.	5.3	Sept. 20, 1938	147	3	Top of well tee	.....	.....	.....	Dom.	
2.	22.3	Sept. 22	136	1	Top of well tee	.....	.....	.....	Dom.	Finished with perforated pipe. Reported yield when drilled, 90 g.p.m.
2a.	.....	.....	136	.....	.....	.....	.....	.....	Dom.	Reported when yield about 60 g.p.m. Static water level, 24 ft. above surface of the land
3.	18.7	Sept. 22	139	2	Top of well elbow	.....	.....	.....	Dom.	
3a.	.....	.....	.....	.....	.....	.....	.....	.....	.....	Finished with perforated pipe
4.	19.0	Sept. 20	142	1	Top of well elbow	27	.....	69	Dom.	Original flow, 40 g.p.m.
5.	2.0	Sept. 21	140	0	Surface of ground	1	.....	.....	Aban.	Leaking casing
6.	8.8	Sept. 22	142	1.2	Top of well elbow	.....	.....	66.5	Dom.	Well No. 14, Water Supply Paper 576, p. 299, 301
7.	0.5	Sept. 22	142	2.0	Top of well tee	2.5	.....	67.3	Dom.	Odor of hydrogen sulphide
7a.	.....	.....	143	.....	.....	.....	.....	.....	Dom.	
8.	14.1	Sept. 22	129	2.0	Top of well tee	17	.....	71.5	Dom.	Deepened 200 feet in Sept., 1934
9.	28.1	Sept. 22	127	1.0	Top of well tee	30	.....	70.0	Dom.	Reported flow when drilled, 50 g.p.m.
10.	10.4	Sept. 22	132	1.0	Top of 2 in. casing	.....	.....	.....	Aban.	
11.	5.7	Sept. 21	139	2.8	Top of well tee	1	.....	64.3	Dom.	
12.	9.8	Sept. 21	141	1.5	Top of gate valve	8.3	.....	71	P. S.	Possibly well No. 13, Water Supply Paper 576, p. 301
13.	.....	.....	.....	.....	.....	.....	.....	.....	Hotel	
14.	.....	.....	.....	.....	Well head buried	.....	.....	.....	Ind.	Original flow, 25 g.p.m. reported
15.	.....	.....	.....	.....	.....	5	.....	.....	Drinking	Well head buried
16.	10.3	Sept. 21	140	0.5	Top of gate valve	40	.....	69	Drinking	Does not scale in boiler
17.	7(app.)	Sept. 22	137	.....	.....	10	.....	.....	Dom.	Static head and flow reported
17a.	.....	.....	140	.....	.....	.....	.....	.....	Dom.	Reported yield when drilled, 30 g.p.m.
18.	16.2	Sept. 22	126	0.5	Top of well tee	10	.....	70.5	Dom.	
19.	10.6	Sept. 23	127	1.0	Top of well tee	7.5	.....	68.0	Dom.	

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
20.	Sec. line Secs.2-3, T.21 N., R. 1 E.	A. M. Hobbs		1918	2	350(?)	100(?)	.....	.....	.....	.....	Kosciusko
21.	NE.1/4, SW.1/4, Sec.5, T.21 N., R. 1 E.	W. K. Henderson		1910	2	190	.....	.....	.....	.....	.....	Kosciusko
22.	NE.1/4, SW.1/4, Sec.5, T.21 N., R. 1 E.	W. K. Henderson		1918	2	340	340	.....	.....	.....	.....	Kosciusko
23.	SW.1/4, SW.1/4, Sec.10, T.21 N., R. 1 W.	L. W. Wade		.....	2	.....	.....	.....	.....	.....	.....	
24.	SE.1/4, SE.1/4, Sec.7, T.21 N., R. 1 W.	A. G. McLemore		.....	2	.....	.....	.....	.....	.....	.....	
25.	NE.1/4, SE.1/4, Sec.7, T.21 N., R. 1 W.	A. G. McLemore		.....	2	900(?)	.....	.....	.....	.....	Sand	Meridian
26.	SE.1/4, SW.1/4, Sec.9, T.21 N., R. 1 E.	R. L. Kirby	C. M. Journey	.....	2	600	400(?)	.....	.....	.....	.....	Winona
27.	NE.1/4, SE.1/4, Sec.9, T.21 N., R. 1 E.	Claude Hall	J. R. Rickles	1920	2	350	.....	.....	.....	.....	.....	Kosciusko
28.	SW.1/4, SW.1/4, Sec.15, T.21 N., R. 1 W.	T. McDavid		.....	3	.....	.....	.....	.....	.....	.....	
29.	SW.1/4, SW.1/4, Sec.17, T.21 N., R. 1 W.	Nebo Planting Co.		1913	3	942	942	.....	.....	.....	Sand	Meridian
30.	SE.1/4, SE.1/4, Sec.18, T.21 N., R. 1 W.	Nebo Planting Co.	T. B. Minyard	1912	3	750	.....	.....	.....	.....	Sand	Winona(?)
31.	SE.1/4, SW.1/4, Sec.18, T.21 N., R. 1 W.	L. L. Walker & Sons		.....	2(?)	.....	.....	.....	.....	.....	.....	
32.	NW.1/4, SW.1/4, Sec.18, T.21 N., R. 1 W.	Jack Humphries		1913(?)	3	800	.....	.....	.....	.....	Sand	Winona or Basic City
33.	SW.1/4, SW.1/4, Sec.18, T.21 N., R. 1 W.	L. L. Walker & Sons		.....	2	.....	.....	.....	.....	.....	.....	
34.	SW.1/4, NE.1/4, Sec.13, T.21 N., R. 2 W.	L. L. Walker & Sons		.....	3	550	.....	.....	.....	.....	Sand	Kosciusko
35.	SW.1/4, SW.1/4, Sec.20, T.21 N., R. 2 W.	C. S. & W. Whittington		.....	3	.....	.....	.....	.....	.....	.....	Meridian
36.	NE.1/4, SE.1/4, Sec.20, T.21 N., R. 1 W.	LeFlore County	T. B. Minyard	1920	3	.....	.....	.....	.....	.....	.....	
37.	NW.1/4, SW.1/4, Sec.20, T.21 N., R. 1 E.	Russell Kearney		1902	2	300	.....	.....	.....	.....	.....	Kosciusko
38.	NW.1/4, SW.1/4, Sec.21, T.21 N., R. 1 E.	C. B. Turner		1918	2½	350(?)	350(?)	300(?)	50(?)	50	Sand	Kosciusko
39.	SW.1/4, NW.1/4, Sec.21, T.21 N., R. 1 E.	C. L. Turner		.....	2	350	.....	.....	.....	.....	.....	Kosciusko
40.	NW.1/4, SW.1/4, Sec.24, T.21 N., R. 1 E.	Giles & Stinson		.....	2½	.....	.....	.....	.....	.....	.....	
41.	SW.1/4, SW.1/4, Sec.19, T.21 N., R. 2 E.	C. L. Turner		1913	1¼	345	345	.....	.....	.....	Sand	Kosciusko
42.	SE.1/4, SW.1/4, Sec.19, T.21 N., R. 2 E.	R. L. Kirby		1904	3	320	80	.....	.....	50	Sand	Kosciusko

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.) Flow	Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
20.	5.0	Oct. 12	143	4.0	Top of well tee	3.5		66.0	Dom.	Some iron stain
21.	0.5	Oct. 10	137	1.2	Top of well elbow			66.5	Dom.	Reported static head when drilled, 30 feet
22.	0.7	Oct. 10	138	2.3	Top of well valve		4(app.)	68.0		
23.		Sept. 23	138				10(app.)			Reported to have been a flowing well
24.	5.2	Oct. 10	138	1	Top of 2 in. tee	10		66.1	Dom.	
25.	14.4	Oct. 10	137	1					Dom.	Well No. 2, Water Supply Paper 576, p. 301
26.	5.0	Oct. 12	139	3	Top of 2 in. casing			67.5	Dom.	Cost of well, $600.00
27.	3.4	Oct. 12	138	2	Top of well tee					Reported to have been deepened
28.	3	Sept. 3	136	2	Top of well tee			66	Dom.	Flow reported to decrease during dry months
29.	8.3	Sept. 24	139	2.75	Top of well tee	8		69.5	Dom.	Deepened to 943 feet in 1939
30.	2.0	Sept. 24	137	1.5	Top of well tee			69	Dom.	
31.	0.0	Sept. 23	137	1	Top of 4 in. casing		20		Gin	Well flows when pump is stopped several hours
32.	7.0	Sept. 23	138	3.5	Top of well tee			68	Dom.	
33.	10.3	Sept. 23	137	2	Top of well tee	11.5		69	Dom.	Reported to have been deepened
34.	3.0	Sept. 23	137	1.2	Top of well tee			64	Dom.	Drilled more than 20 years ago
35.	11.2	Sept. 24	125	1.5	Top of well cross	15		69.1	Dom.	
36.	5.7	Sept. 24	131	1.5	Top of well tee	30		70.7	Dom.	
37.	0.7	Oct. 8	138	1:3	Top of well tee				Dom.	Well No. 18, Water Supply Paper 576, p. 301
38.	1.4	Oct. 13	134	2.5	Top of well tee			64.5	Dom.	
39.	0.5	Oct. 13	137	2	Top of well tee	1		64.5	Dom.	Decline in pressure reported
40.		Oct. 12	137			5.5		66	Dom.	Flows open
41.	2.3	Oct. 12	138	3	Top of well tee	5		65.5	Dom.	Finished with drill point and two holes
42.	0.5	Oct. 12	135	3.3	Top of well tee			65	Dom.	

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
43.	NE.1/4, SE.1/4, Sec.26, T.21 N., R. 1 E.	Mrs. Swelly		1915(?)	2	360	.....	.....	.....	.....	Sand	Kosciusko
44.	NE.1/4, SW.1/4, Sec.26, T.21 N., R. 1 E.	Mrs. Swelly		1915(?)	2	360	200	.....	.....	.....	Sand	Kosciusko
45.	NW.1/4, SE.1/4, Sec.28, T.21 N., R. 1 E.	J. J. Barrow		1914(?)	2½	300	.....	.....	.....	.....	Sand	Kosciusko
46.	NE.1/4, SE.1/4, Sec.29, T.21 N., R. 1 E.	Y. & M. V. R. R.		1932	.....	750	750	.....	.....	.....	.....	Meridian
47.	NE.1/4, SE.1/4, Sec.29, T.21 N., R. 1 E.	R. L. Kirby		1900	2	515	260	.....	.....	165	Sand	Winona
48.	NE.1/4, SE.1/4, Sec.29, T.21 N., R. 1 E.	R. L. Kirby		1915	1½	515	400	.....	.....	10	Sand	Winona
49.	SE.1/4, NE.1/4, Sec.29, T.21 N., R. 1 E.	Kirby Henderson		1905	12	1300	.....	.....	.....	.....	.....	
50.	Sec. line Secs.29-30, T.21 N., R. 1 E.	Mrs. Jameson		1900(?)	3	500(?)	.....	.....	.....	.....	.....	
51.	SE.1/4, NW.1/4, Sec.27, T.21 N., R. 1 W.	Nebo Planting Co.		1905(?)	2	750(?)	.....	.....	.....	.....	.....	
52.	Center NW.1/4, Sec.30, T.21 N., R. 1 W.	W. M. Whittington	C. M. Journey	1938	2	811	811	751	60	57	Brown sand	Meridian
53.	SW.1/4, NE.1/4, Sec.26, T.21 N., R. 2 W.	Charles Whittington	T. B. Minyard	1928	2	806	806	.....	.....	.....	.....	Meridian
54.	SE.1/4, SE.1/4, Sec.29, T.21 N., R. 2 W.	Mr. Newcomb		.....	3	.....	.....	.....	.....	.....	.....	
55.	SW.1/4, SW.1/4, Sec.35, T.21 N., R. 2 W.	Mrs. Efferage		.....	2	.....	.....	.....	.....	.....	.....	
56.	SE.1/4, NW.1/4, Sec.36, T.21 N., R. 2 W.	Robert Barrett	T. B. Minyard	1920	3	805	805	590	.....	.....	.....	Meridian
57.	SE.1/4, NE.1/4, Sec.36, T.21 N., R. 2 W.	Dr. F. A. Portwood	C. M. Journey	1928	2	1010	1010	950(?)	60(?)	.....	Sand & clay	Meridian & Basic City
58.	NW.1/4, SW.1/4, Sec.31, T.21 N., R. 1 W.	C. A. Foreman	C. M. Journey	1928	3	1240(?)	1240(?)	1180(?)	60(?)	.....	.....	Meridian & Basic City
59.	SW.1/4, NW.1/4, Sec.31, T.21 N., R. 1 W.	.....		1900	3	700	.....	.....	.....	.....	.....	Kosciusko
60.	NW.1/4, SW.1/4, Sec.31, T.21 N., R. 1 W.	Mrs. D. B. Jameson		1915	2	816	816	.....	.....	.....	.....	Basic City & Winona
60a.	NE. 1/4, SE.1/4, Sec.36, T.21 N., R. 2 W.	Captain Anderson	T. B. Minyard	.....	2	785	785	675	110	87	Sand	Basic City & Winona
61.	NW.1/4, SW.1/4, Sec.31, T.21 N., R. 1 W.	M. S. Wilson	C. M. Journey	.....	3	800(?)	800(?)	.....	.....	.....	.....	
62.	SW.1/4, SE.1/4, Sec.31, T.21 N., R. 1 E.	Oscar Bledsoe		1938	4	500(?)	.....	.....	.....	.....	.....	
63.	NW.1/4, SW.1/4, Sec.34, T.21 N., R. 1 E.	J. Peterson		.....	2½	320	140	.....	.....	.....	.....	Kosciusko
64.	NW.1/4, NW.1/4, Sec.34, T.21 N., R. 1 E.	J. Peterson	C. S. Journey	1935	1¼	580	580	.....	.....	.....	.....	Winona

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.)		Temp.	Use of	Other records and
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description	Flow	Pump	°F.	water	general information
43.	0.5	Oct. 12	140	4.0	Top of well tee	0.5		64	Dom.	
44.	2.2	Oct. 12	134	2.7	Top of well tee	3		64.7	Dom.	Representative of eight wells on plantation
45.	2.9	Oct. 13	137	2.0	Top of well tee	3		64.4	Dom.	
46.	6.9	Oct. 7	137	3	Faucet outlet in tenant house yard					Well head buried. Static head measured 200 feet from well head
47.	1.5	Oct. 7	132	0	Surface of ground					Static head reported. Well No. 15, Water Supply Paper 576, p. 301. Well deepened from 420 feet in 1933
48.	4.6	Oct. 7	135	3	Top of well tee	10		66.0		Reported static head when drilled, 20 ft.
49.	4	Oct. 7	130	0	Top of plug on well head			69.0	Dom.	Formerly oil prospect well
50.	3 (app.)	Oct. 8	138	1.5	Top of 3 in. casing			65.0	Dom.	Casing diameter may be reduced at depth
51.	4.75	Sept. 24	133	2.9	Top of well tee	5		67.0	Dom.	
52.	10.8	Sept. 24	135	0.3	Top of well tee	35		67.0	Dom.	
53.	15.7	Sept. 24	132	3.7	Top of well tee to barnyard				Stock	Completed with slotted pipe. Reported static head when drilled, 30 ft.; yield, 70 g.p.m.
54.	7.5	Sept. 26	125	2.0	Top of well cross	12		67.5	Dom.	Reported decline in static head
55.	+	Sept. 26						67.0	Dom.	Several leaks on well head
56.	14.1	Sept. 26	127	1.0	Top of well tee	30		68¼	Dom.	Finished with 107 feet slotted pipe
57.	33.4	Feb. 15, 1939	130	0	Top of well tee	50		72.0	Dom.	12 water-bearing sands reported
58.	29.0	Sept. 28, 1938	135	0	Top of 3 in. casing				Dom. Ind.	Casing diameter may be reduced at depth
59.	+	Sept. 26				5		67½	Dom.	5 g.p.m. constant flow at well head
60.	8.6	Sept. 27	136	1.5	Top of 2 in. pipe on well cross	8			Dom.	Well No. 20, Water Supply Paper 576, p. 301
60a.			132							Reported yield when drilled, 40 g.p.m.: static level, 24 ft. above the surface of the land
61.	19.0	Sept. 26	136	.75	Top of well tee				Dom.	Casing diameter may be reduced at depth
62.	4.7	Oct. 8	136	1.5	Top of well tee			67¾	Dom.	Casing diameter may be reduced at depth
63.	3.5	Oct. 13	133	2.9	Top of well tee	3		66	Dom.	Flows open
64.	19.9	Oct. 13	138	2.4	Top of well tee			66	Dom.	Finished with perforated pipe

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
65.	NE.1/4, SW.1/4, Sec.34, T.21 N., R. 1 E.	J. Peterson	Owner	.....	1¼	576	576	556	20	.....	.....	Winona
66.	SW.1/4, NE.1/4, Sec.34, T.21 N., R. 1 E.	B. W. Smith	C. M. Journey	1938	1¼	650	650	580	60	60	Sand	Meridian
67.	SE.1/4, NE.1/4, Sec.34, T.21 N., R. 1 E.	B. W. Smith		1913	1	275	150(?)	.....	.....	.....	.....	Kosciusko
68.	NE.1/4, SE.1/4, Sec.34, T.21 N., R. 1 E.	Mr. Fredrick		.....	2½	350(?)	150(?)	.....	.....	.....	.....	Kosciusko
69.	NW.1/4, SW.1/4, Sec.32, T.21 N., R. 2 E.	B. L. Young		.....	2	350(?)	.....	.....	.....	.....	.....	Kosciusko
70.	NW.1/4, NW.1/4, Sec.32, T.21 N., R. 2 E.	Smoley Key		.....	2	350(?)	.....	.....	.....	.....	.....	Kosciusko
71.	NW.1/4, SE.1/4, Sec.5, T.20 N., R. 2 E.	John Neal		.....	2	400	.....	.....	.....	.....	.....	Winona
72.	Sec. line, Secs.1-6, T.20 N., R. 1, 2 E.	John Neal		.....	2	400	.....	.....	.....	.....	.....	Winona
73.	NE.1/4, SW.1/4, Sec.1, T.20 N., R. 1 E.	Buck Martin		.....	2	350(?)	.....	.....	.....	.....	.....	Kosciusko
74.	NW.1/4, NW.1/4, Sec.4, T.20 N., R. 1 E.	Rudolph Bernander		.....	2	380	.....	.....	.....	.....	.....	Kosciusko
75.	NE.1/4, NE.1/4, Sec.3, T.20 N., R. 1 W.	Oscar Bledsoe	Mr. Garrett	.....	2	424	.....	.....	.....	.....	.....	Kosciusko
76.	SW.1/4, SE.1/4, Sec.2, T.20 N., R. 2 W.	Mrs. E. Blair		.....	9	610(?)	.....	.....	.....	.....	.....	Winona
77.	SE.1/4, NW.1/4, Sec.4, T.20 N., R. 2 W.	John Hancock Life Ins. Co.		about 1909	3	600(?)	.....	.....	.....	.....	.....	Winona
78.	NW.1/4, NW.1/4, Sec.6, T.20 N., R. 2 W.	Adair Estate		.....	3	.....	.....	.....	.....	.....	.....	
79.	SE.1/4, NW.1/4, Sec.8, T.20 N., R. 2 W.	Metropolitan Life Ins. Co.		.....	4½	.....	.....	.....	.....	.....	.....	
80.	SE.1/4, SW.1/4, Sec.11, T.20 N., R. 1 W.	O. F. Bledsoe	Mr. Garrett	.....	4(?)	900	.....	.....	.....	.....	.....	Meridian
81.	SW.1/4, SE.1/4, Sec.11, T.20 N., R. 1 W.	O. F. Bledsoe		.....	3	425(?)	.....	.....	.....	.....	.....	Winona
82.	NE.1/4, NE.1/4, Sec.12, T.20 N., R. 1 W.	C. E. Merrill		.....	3	1000(?)	.....	.....	.....	.....	.....	Meridian(?)
83.	NW.1/4, NW.1/4, Sec.7, T.20 N., R. 1 E.	C. E. Merrill		.....	3	.....	.....	.....	.....	.....	.....	
84.	SE.1/4, SE.1/4, Sec.7, T.20 N., R. 1 E.	R. E. Provine	C. M. Journey	.....	2	863	863	.....	.....	.....	.....	Meridian
85.	SW.1/4, NE.1/4, Sec.7, T.20 N., R. 2 E.	John Neal		.....	2	240	.....	.....	.....	.....	Green sand	Winona
86.	NE.1/4, NW.1/4, Sec.18, T.20 N., R. 2 E.	J. P. Cortner		1900	2	1351(?)	.....	.....	.....	.....	.....	Winona(?)
87.	NE.1/4, NW.1/4, Sec.18, T.20 N., R. 2 E.	R. G. Wilson		.....	2	.....	.....	.....	.....	.....	.....	Winona

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.) Flow	Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
65.	13.0	Oct. 13	132	2.5	Top of well tee	.....	.....	67½	Dom.	Other water sands at depths of 320 and 440 feet
66.	.....	.....	.....	.....	.....	.....	.....	67	Dom.	Several leaks on well head. Deepened in 1938 from 350 feet
67.	1(app.)	Oct. 13	.....	.....	Top of casing	.....	.....	65½	Dom.	
68.	1.8	Oct. 13	139	3.0	Top of well tee	.....	.....	65.0	Dom.	
69.	2(app.)	Oct. 12	134	2.5	Top of well tee	3	.....	64½	Dom.	
70.	+	.....	.....	.....	.....	0.5	.....	65	Dom.	
71.	12.6	Oct. 13	132	0	Top of well tee	.....	.....	.....	Dom.	Well head buried
72.	11.1	Oct. 13	137	2	Top of 2 in. casing	.....	.....	66	Dom.	
73.	1(app.)	Oct. 13	139	.....	Top of well tee	0.5	.....	65¼	Dom.	
74.	8.0	Oct. 7	134	1.5	Top of 2 in. pipe on well cross	31	.....	66	Dom.	Well No. 17, Water Supply Paper 576, p. 301
75.	5.5	Oct. 8	136	1.0	Top of well cross	10	.....	66	Dom.	
76.	10.3	Sept. 27	129	2.5	Top of well tee	90	.....	68¼	Dom.	Formerly used to irrigate rice
77.	7.7	Sept. 26	125	3.2	Top of well tee	.....	.....	.....	.....	Constant flow, 2.5 g.p.m. casing diameter may be reduced at depth
78.	6(app.)	Sept. 26	120	.....	Surface of ground	10	.....	70.1	Stock	Found flowing
79.	12.4	Sept. 26	123	2.5	Top of well tee	.....	.....	69.5	Dom.	Constant flow, 5 g.p.m.
80.	14.4	Oct. 8	133	1.5	Top of well cross	21	.....	70.5	Dom.	Supplies 7 houses, 2 stores, 3 stock pools
81.	2.3	Oct. 8	136	3.5	Top of 1½ in. outlet by engine room	.....	.....	69	Dom.	May be Well No. 21, Water Supply Paper 576, p. 301
82.	1.5(app.)	Oct. 8	136	2.0	Top of well tee	.....	.....	.....	Dom.	
83.	2.0	Oct. 8	119	0	Top of well tee	.....	.....	.....	Dom.	
84.	20	Oct. 8	131	1.0	Top of well elbow	38	.....	68.5	Dom.	
85.	9.2	Oct. 13	131	1.0	Top of joint on well casing	15	.....	.....	Dom.	Found flowing
86.	2.5	Oct. 21	133	2.7	Top of well tee	5	.....	64	Dom.	Constant flow
87.	4.6	Oct. 13	135	3	Top of well elbow	2	.....	64	Dom.	Constant flow

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
88.	NE.1/4, SW.1/4, Sec.18, T.20 N., R. 2 E.	J. P. Cortner	J. R. Rickles	1928	2	115	.....	.....	.....	.....	.....	Kosciusko
89.	SW.1/4, NW.1/4, Sec.13, T.20 N., R. 1 E.	R. Wilson		.....	2½	.....	.....	.....	.....	.....	.....	
90.	NW.1/4, SW.1/4, Sec.14, T.20 N., R. 1 E.	Mr. Banks		1900(?)	2½	.....	.....	.....	.....	.....	.....	
91.	NW.1/4, NE.1/4, Sec.15, T.20 N., R. 1 E.	J. L. Turner		.....	2½	300(?)	.....	.....	.....	.....	.....	Kosciusko
92.	SE.1/4, SW.1/4, Sec.18, T.20 N., R. 1 E.	James Lucas	T. B. Minyard	1930	2	800	800	.....	.....	.....	Sand	Meridian
93.	SE.1/4, NW.1/4, Sec.18, T.20 N., R. 1 E.	W. L. Low		about 1902	3	1050	.....	.....	.....	.....	Sand	Winona(?)
94.	SE.1/4, SW.1//4, Sec.18, T.20 N., R. 1 E.	James Lucas	T. B. Minyard	1928	2	800	800	760	40	40	Sand	Meridian
95.	NE.1/4, NE.1/4, Sec.14, T.20 N., R. 1 W.	C. E. Merrill	T. B. Minyard	1933	2	760	611	548	64	.....	Sand	Basic City
96.	NE.1/4, SW.1/4, Sec.14, T.20 N., R. 1 W.	W. S. Berry		1898	2½	500(?)	.....	.....	.....	.....	.....	Basic City
97.	NE.1/4, SE.1/4, Sec.17, T.20 N., R. 1 W.	W. S. Berry	C. M. Journey	1938	2	746	746	686	60	43	Sand	Basic City
98.	SE.1/4, SE.1/4, Sec.14, T.20 N., R. 2 W.	William Collum		1908(?)	2½	.....	.....	.....	.....	.....	.....	
99.	SE.1/4, SE.1/4, Sec.15, T.20 N., R. 2 W.	Mr. Weeks		.....	3	.....	.....	.....	.....	.....	.....	
100.	N-S mid. Sec. line, Sec.21, T.20 N., R. 1 W.	J. Statton & others	T. B. Minyard	1938	2	816	816	716	100	.....	Sand	Meridian
101.	NW.1/4, SW.1/4, Sec.21, T.20 N., R. 1 E.	Emmett Chandler	J. R. Rickles	1930	2	300	300	294	6	.....	Sand	Kosciusko
102.	NE.1/4, SW.1/4, Sec.21, T.20 N., R. 1 E.	H. L. Gary		.....	2	300	.....	.....	.....	.....	Sand	Kosciusko
103.	NE.1/4, NE.1/4, Sec.21, T.20 N., R. 1 E.	W. Craig		.....	3	800(?)	.....	.....	.....	.....	.....	Winona(?)
104.	NE.1/4, SE.1/4, Sec.21, T.20 N., R. 1 E.	R. L. Craig		.....	1½	32.8	32.8	.....	.....	.....	Sand & gravel	Alluvium
105.	NW.1/4, SE.1/4, Sec.20, T.20 N., R. 2 E.	Federal Land Bank		.....	2	.....	.....	.....	.....	.....	.....	
106.	NW.1/4, NW.1/4, Sec.25, T.20 N., R. 1 E.	Mr. Davis		.....	2	.....	.....	.....	.....	.....	.....	
107.	NE.1/4, NE.1/4, Sec.14, T.20 N., R. 2 W.	Joe Terry		.....	3	.....	.....	.....	.....	.....	.....	
108.	NW.1/4, SE.1/4, Sec.26, T.20 N., R. 1 E.	Mr. White	J. R. Rickles	1918	2	400	.....	.....	.....	.....	.....	Winona
109.	SE.1/4, NW.1/4, Sec.26, T.20 N., R. 1 W.	W. S. Berry		1910(?)	3	500(?)	.....	.....	.....	.....	.....	Winona(?)
110.	NE.1/4, SW.1/4, Sec.36, T.20 N., R. 2 W.	A. M. Harves		1927	3	.....	.....	.....	.....	.....	.....	

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.)		Temp.	Use of	Other records and
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description	Flow	Pump	°F.	water	general information
88.	6.2	Oct. 21	129	1.7	Top of well elbow	.....	.....	64.5	Dom.	
89.	4.7	Oct. 7	127	1.8	Top of 2½ in. casing	7	.....	65	Dom.	Constant flow
90.	4.6	Oct. 7	128	3.3	Top of 3 in. casing	10	.....	.....	Dom.	Found flowing
91.	4.6	Oct. 7	134	3.5	Top of well tee	.....	.....	65¾	Dom.	
92.	24.0	Oct. 8	135	2.0	Top of well tee	.....	.....	.....	Dom.	Well was deepened from 500 feet in 1930
93.	8.4	Oct. 8	137.5	2.5	Top of well tee	10	.....	68	Dom.	
94.	11.6	Oct. 8	136	0	Surface of ground at well head	.....	.....	.....	Dom.	Finished with perforated pipe
95.	15.8	Oct. 8	135	0	Top of well elbow	.....	.....	69¼	Dom.	
96.	15.4	Oct. 8	140	3.0	Top of well cross	.....	.....	69.0	Dom.	
97.	17.8	Sept. 27	128	0	Top of well tee	35	.....	66¾	Dom.	Finished with perforated pipe
98.	14.0	Sept. 27	124	3.0	Top of lower tee	.....	.....	68	Dom.	
99.	10.2	Sept. 27	124	1.5	Top of well tee	.....	.....	71.3	Dom.	Reported abrupt decrease in pressure Sept. 1, 1938
100.	16.7	Sept. 27	130	1.5	Top of well tee	45	.....	67.5	Dom.	Several thin water sands reported
101.	1.0	Oct. 7	135	1.0	Top of well tee	10	.....	64	Dom.	Cost, $300.00
102.	2.5	Oct. 7	135	2.0	Top of 2 in. casing	.....	.....	65	Dom.	
103.	4.45	Oct. 7	136	0.8	Top of well elbow	.....	.....	66	Dom.	
104.	−22.8	Oct. 7	127	2.0	Top of 1½ in. pipe	.....	.....	.....	Dom.	Pitcher pump
105.	4.0	Oct. 19	132	3.1	Elbow top of 1½ in. pipe	10	.....	64	Dom.	
106.	12.0	Oct. 21	133	1.3	Top of upper lead-off	.....	.....	65.5	Dom.	Numerous outlets
107.	7.2	Sept. 27	129	2.5	Top of well tee	.....	.....	67.9	Dom.	Numerous outlets
108.	3.1	Oct. 21	129	2.4	Top of well tee	3	.....	64.5	Dom.	
109.	6.0	Oct. 8	132	2.5	Top of 3 in. casing	20	.....	67	Stock	Found flowing
110.	15.8	Sept. 28	125	2.0	Top of well tee	.....	.....	72.9	Dom.	Numerous outlets

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
111.	NW.1/4, SE.1/4, Sec.32, T.20 N., R. 1 E.	Mrs. Bledsoe		.....	3	400(?)	.....	.....	.....	.....	.....	Kosciusko
112.	SE.1/4, NW.1/4, Sec.35, T.20 N., R. 1 E.	J. F. Bobbins		.....	2	.....	.....	.....	.....	.....	.....	Kosciusko(?)
113.	NE.1/4, NE.1/4, Sec.35, T.20 N., R. 1 E.	J. F. Bobbins		1900(?)	2	.....	.....	.....	.....	.....	.....	Kosciusko(?)
114.	SW.1/4, NW.1/4, Sec.36, T.20 N., R. 1 E.	Mr. Mitchell	T. B. Minyard	1936	2	476	476	396	80	76	Sand	Basic City
115.	SW.1/4, SW.1/4, Sec.31, T.20 N., R. 2 E.	LeFlore County		1900(?)	2	.....	.....	.....	.....	.....	.....	
116.	NE.1/4, NW.1/4, Sec.31, T.20 N., R. 2 E.	M. McShan		.....	2	350(?)	.....	.....	.....	.....	.....	Winona(?)
116a.	SE.1/4, SW.1/4, Sec.30, T.20 N., R. 2 E.	Vernon Funchus	T. B. Minyard	1939	1¼	461	448	321	127	.....	Sand	Winona
117.	SW.1/4, NW.1/4, Sec.32, T.20 N., R. 2 E.	R. L. Dunn		.....	2	.....	.....	.....	.....	.....	.....	
118.	SW.1/4, NE.1/4, Sec.32, T.20 N., R. 2 E.	R. L. Dunn		1900	2	350(?)	.....	.....	.....	.....	.....	Winona(?)
119.	NE.1/4, SE.1/4, Sec.32, T.20 N., R. 2 E.	R. L. Dunn		1900	3	350(?)	.....	.....	.....	.....	.....	Winona(?)
120.	NE.1/4, NW.1/4, Sec.2, T.19 N., R. 1 E.	County Schools	T. B. Minyard	1938	2	554	554	454	100	.....	Green sand	Basic City
121.	NW.1/4, SE.1/4, Sec.4, T.19 N., R. 1 E.	C. A. Pitchford	C. M. Journey	1933	2½	825	825	765	60	72	White sand	Meridian
122.	NW.1/4, SE.1/4, Sec.4, T.19 N., R. 1 E.	Mrs. P. B. Peterson	J. R. Rickles	1918	3	450	.....	.....	.....	.....	.....	Winona
123.	SE.1/4, NE.1/4, Sec.5, T.19 N., R. 1 W.	G. W. Green		.....	3	.....	.....	.....	.....	.....	.....	
124.	SE.1/4, SW.1/4, Sec.1, T.19 N., R. 2 W.	Dr. C. C. Moore		.....	2	.....	.....	.....	.....	.....	.....	
125.	NW.14, SW.1/4, Sec.10, T.19 N., R. 2 W.	S. J. Steen	C. M. Journey	1935	2	835	835	707	87	23	Sand & shale	Basic City
126.	SW.1/4, NW.1/4, Sec.11, T.19 N., R. 2 W.	John Reed		1917	3	.....	.....	.....	.....	.....	.....	
127.	Center Sec.11, T.19, N., R. 2 W.	J. J. Long		.....	3	800(?)	.....	.....	.....	.....	.....	Winona(?)
128.	SW.1/4, SW.1/4, Sec.10, T.19 N., R. 1 W.	H. George	C. M. Journey	1934	3	.....	.....	.....	.....	.....	.....	
129.	NW.1/4, NW.1/4, Sec.7, T.19 N., R. 1 E.	Mrs. W. Pillow		.....	2	.....	.....	.....	.....	.....	.....	
130.	Center SW.1/4, Sec.8, T.19 N., R. 1 E.	R. L. Pillow	C. M. Journey	1938	3	877	877	826	51	59	Sand	Meridian
131.	SW.1/4, SE.1/4, Sec.8, T.19 N., R. 1 E.	W. C. Watts	C. M. Journey	1935	2	829	829	788	41	127	Sand	Meridian
132.	SW.1/4, SW.1/4, Sec.9, T.19 N., R. 1 E.	Buckeye Cotton Oil Co.		.....	2	.....	.....	.....	.....	.....	.....	

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.) Flow	Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
111.	1.7	Oct. 7	131	1.3	Top of 3 in. casing	.....	.....	.....	Dom.	Water is pumped for domestic consumption
112.	3.5	Oct. 21	131	2.8	Top of well elbow	5	.....	65	Dom.	
113	4.1	Oct. 21	135	1.3	Top of 2 in. casing	10	.....	64.5	Dom.	Flows open at trough
114.	12.1	Oct. 21	127	1.1	Top of well tee	30	.....	66.5	Dom.	
115.	9.2	Oct. 20	131	5.1	Top of well tee	.....	.....	65	Dom.	
116.	7.0	Oct. 20	130	3.0	Top of well tee	2	.....	64	Dom.	
116a.	.....	.....	130	.....	.....	.....	.....	66	Dom.	Reported yield when drilled, 16 g.p.m. Static water level, 16 ft. above surface of the land
117.	6.0	Oct. 20	130	0.5	Top of well tee	3	.....	64.5	Dom.	
118.	6.5	Oct. 20	133	2.5	Top of 2 in. casing	3	.....	64.5	Dom.	Flows open
119.	6.8	Oct. 20	132	1.0	Top of 3 in. reducer	4	.....	65	Dom.	Flows open
120.	13.8	Oct. 21	131	1.5	Top of well elbow	30	.....	66.5	Dom.	Part of the water sand is glauconite. Reported yield when drilled, 35 g.p.m.
121.	25.8	Oct. 7	133	2.0	Top of well tee	.....	.....	70	Dom.	Supplies about six families
122.	3(app.)	Oct. 7	132	1.0	Top of 3 in. casing	.....	5	64.5	Dom.	Casing diameter may be reduced at depth
123.	8.3	Sept. 28	131	2.0	Top of well cross	.....	.....	.....	Dom.	
124.	15.5	Sept. 28	126	2.5	Top of well elbow	.....	.....	68.9	Dom.	
125.	27.6	Sept. 28	117	1.9	Top of well tee	40	.....	.....	Dom.	Finished with 60 ft. perforated pipe, 50 ft. blank pipe, 18 ft. perforated pipe
126.	15.8	Sept. 28	121	0.5	Top of well tee	.....	.....	69.5	Dom.	
127.	7.7	Sept. 28	123	3.5	Top of 1 in. tee	.....	.....	69.8	Dom.	
128.	35.1	Oct. 5	131	1.3	Top of well tee	50	.....	72	Dom.	
129.	3.9	Oct. 4	133	1.6	Top of well tee	.....	.....	64.0	Dom.	
130.	26.1	Oct. 4	135	3.0	Faucet 100 yards east of well	.....	.....	.....	.....	Well head buried
131.	29.1	Oct. 4	132	0.5	Top of well tee	.....	.....	.....	Dom.	
132.	1.5	Oct. 4	129	0.5	Top of curb	2.5	.....	72.5	.....	Used for drinking

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick (feet)	Material	Geologic form.
133.	SW.1/4, NE.1/4, Sec.10, T.19 N., R. 1 E.	L. A. Williams		1918	3	650	650	590	60	.....	.....	Basic City
134.	SE.1/4, SE.1/4, Sec.10, T.19 N., R. 1 E.	E. D. Simmons		1899	2	600	600	.....	.....	.....	.....	Basic City
135.	NE.1/4, SE.1/4, Sec.10, T.19 N., R. 1 E.	Planters Oil Mill		1900	6	800(?)	.....	.....	.....	.....	.....	Meridian
136.	NE.1/4, NW.1/4, Sec.12, T.19 N., R. 1 E.	C. M. Journey	Owner	1928	4	800	800	760	40	.....	.....	Meridian
137.	SW.1/4, SE.1/4, Sec.7, T.19 N., R. 2 E.	H. Flanigan	J. R. Rickles	.....	2	280	.....	.....	.....	.....	.....	Winona
138.	SW.1/4, SW.1/4, Sec.8, T.19 N., R. 2 E.	LeFlore County		.....	2	250	.....	.....	.....	.....	Sand	Winona
139.	SW.1/4, NE.1/4, Sec.17, T.19 N., R. 2 E.	O. H. Bussey	C. M. Journey	1925	2	290	290	.....	.....	.....	Sand	Winona
139a.	NE.1/4, SE.1/4, Sec.18, T.19 N., R. 2 E.	Arch Peteet	T. B. Minyard	1939	2	616	607	564	44	83.5	Sand	Meridian
140.	SW.1/4, NW.1/4, Sec.17, T.19 N., R. 2 E.	Henry Ware	J. R. Rickles	1925	1½	300	300	.....	.....	.....	Sand	Winona
140a.	SE.1/4, NE.1/4, Sec.13, T.19 N., R. 1 E.	Nat'l Youth Adm. School	C. M. Journey	1941	.....	708	.....	.....	.....	.....	.....	
141.	SE.1/4, NE.1/4, Sec.14, T.19 N., R. 1 E.	B. R. Hinson	J. R. Rickles	1920	1½	320	320	.....	.....	.....	Sand	Winona
142.	SE.1/4, NE.1/4, Sec.14, T.19 N., R. 1 E.	J. H. Stevens	J. R. Rickles	1938	2	604	520	.....	.....	.....	Green sand	Basic City
143.	SW.1/4, SE.1/4, Sec.14, T.19 N., R. 1 E.	W. L. Craig	J. R. Rickles	1929	1¼	347	347	.....	.....	.....	Sand	Winona
144.	SW.1/4, SE.1/4, Sec.15, T.19 N., R. 1 E.	Loren Craig		1900	3	.....	.....	.....	.....	.....	.....	
145.	NW.1/4, NW.1/4, Sec.15, T.19 N., R. 1 E.	City of Greenwood	W. Bell	1908	6	800	800	740	60	119	Sand	Meridian
146.	NW.1/4, NW.1/4, Sec.15, T.19 N., R. 1 E.	City of Greenwood	Layne-Central	1930	13	145	145	85	60	130	Sand & gravel	Alluvium
147.	NE.1/4, NW.1/4, Sec.15, T.19 N., R. 1 E.	City of Greenwood	Layne-Bowler Co.	1913	10	800	800	740	60	119	Sand	Meridian
148.	NE.1/4, NW.1/4, Sec.15, T.19 N., R. 1 E.	City of Greenwood	Layne-Central	1930	12	640	640	620	20	29	Sand	Basic City or Meridian
149.	NE.1/4, NW.1/4, Sec.15, T.19 N., R. 1 E.	City of Greenwood	Layne-Central	1926	12	1919	1919	768	60	119	Sand	Meridian & Wilcox
150.	NE.1/4, NW.1/4, Sec.15, T.19 N., R. 1 E.	City of Greenwood	Layne-Central	1924	18	145	145	105	40	130	Sand & gravel	Alluvium
151.	NE.1/4, NW.1/4, Sec.15, T.19 N., R. 1 E.	City of Greenwood	Gray Well Co.	1918	10	800	800	740	60	119	Sand	Meridian
152.	NE.1/4, NW.1/4, Sec.15, T.19 N., R. 1 E.	City of Greenwood	Mr. Garrett	1902	6	660	660	620(?)	20(?)	29	Sand	Basic City
153.	NW.1/4, NW.1/4, Sec.15, T.19 N., R. 1 E.	J. H. DeBoe		.....	3	660	.....	.....	.....	29(?)	Sand	Basic City

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.)		Temp.	Use of	Other records and
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description	Flow	Pump	°F.	water	general information
133.	8.3	Oct. 17	134	2.0	Top of well elbow	.....	.....	66	Dom.	
134.	−4.25	Jan. 10, 1939	137.8	2.0	Top of well valve	2	.....	.....	Obs.	Well No. 193 in progress report
135.	13.3	Oct. 21, 1938	131	0.6	Top of 6 in. casing	.....	.....	69	Ind.	
136.	22.3	Oct. 21	130	0.5	Top of 6 in. elbow	.....	.....	69	Dom.	Well No. 135, Water Supply Paper 845
137.	5.2	Oct. 20	134	2.0	Top of well elbow	.....	.....	65	Dom.	Water reported to come from beneath hard rock
138.	10.4	Oct. 20	132	3.5	Top of well tee	.....	.....	65.5	School	
139.	7.2	Jan. 10, 1939	139	1.2	Top of well elbow	.....	.....	65¼	Dom.	Nearly constant flow
139a.	.....	.....	130	.....	.....	.....	.....	69	Dom.	Reported yield when drilled, 55 g.p.m. Static water level, 30 ft. above surface of land
140.	4.5	Oct. 20, 1938	139	4.6	Top of well elbow	10	.....	65.5	Dom.	Constant flow
140a.	.....	.....	.....	.....	.....	.....	.....	.....	.....	
141.	5.3	Jan. 7, 1939	129	0.5	Top of well tee	.....	.....	64.5	Dom.	
142.	23.6	Jan. 7	131	2.0	Top of well tee	.....	.....	66	Dom.	Nearly constant flow
143.	5.9	Jan. 7	132	1.0	Top of well tee	.....	.....	65¼	Dom.	
144.	9.6	Oct. 21, 1938	134	3.0	Top of well cross	.....	.....	69.5	Ind.	Nearly constant flow
145.	27.6	Oct. 1937	133	0.0	Surface at well head west end field	300	.....	74	Mun.	Well head buried. Identical well reported east end of football field
146.	−23.5(app.)	Aug. 30, 1939	133	0.5	Hole in base plate of pump	.....	2250	.....	Ind.	Identical well 380 ft. east. Condenser use Well No. 4, Water Supply Paper 576,
147.	27.6	Oct. 1937	132.5	0.5	Top of well tee by willow	400	.....	.....	Mun.	p. 301
148.	3(app.)	1939	140	3	Top of base plate of pump	.....	1100	69.5	Mun.	Pumped continuously 2 months each year
149.	92	Oct. 1938	136.7	3	Top of concrete well cover	400	.....	80	Mun.	Used for swimming pool in summer
150.	−21(app.)	Oct. 1937	133.1	1.0	Top of base-plate of large pump	.....	3500	.....	Ind.	Used in condensers in city power plant
151.	+	.....	.....	.....	.....	250	.....	.....	Mun.	Well head buried south of railroad
152.	6.0	Oct. 19, 1938	136.3	2.5	Top of lower half well cap	10	.....	.....	P. S.	Used for drinking
153.	−1.2	Jan. 10, 1939	136	2.5	Top of brass valve on well head	.....	.....	.....	Obs.	Casing may be reduced at depth

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
154.	NW.1/4, NW.1/4, Sec.16, T.19 N., R. 1 E.	Buckeye Oil Mill	Layne-Central	.....	10	750(?)	.....	.....	.....	119(?)	Sand	Meridian(?)
155.	SE.1/4, NW.1/4, Sec.16, T.19 N., R. 1 W.	J. W. Stowers	C. M. Journey	1937	2	818	818	739	77	66	Sand	Basic City
155a.	NE.1/4, SW.1/4, Sec.18, T.19 N., R. 1 W.	S. F. Jones	T. B. Minyard	.....	2	812	802	.....	.....	.....	Sand	Basic City
156.	SW.1/4, SE.1/4, Sec.16, T.19 N., R. 2 W.	J. R. Pitman	Mr. Garrett	1918	3	.....	.....	.....	.....	.....	.....	
157.	NE.1/4, NE.1/4, Sec.17, T.19 N., R. 2 W.	J. H. Edwards	C. M. Journey	1931	2	907	907	827	80	35	Sand	Basic City
158.	NE.1/4, NE.1/4, Sec.22, T.19 N., R. 2 W.	Ben Bibb	T. B. Minyard	.....	2	763	763	.....	.....	.....	.....	Winona
159.	NE.1/4, NE.1/4, Sec.24, T.19 N., R. 2 W.	E. Sharp		.....	3	.....	.....	.....	.....	.....	.....	
160.	NE.1/4, SE.1/4, Sec.19, T.19 N., R. 1 W.	Town of Itta Bena		.....	3	.....	.....	.....	.....	.....	.....	
161.	NE.1/4, SW.1/4, Sec.20, T.19 N., R. 1 W.	Town of Itta Bena		.....	4	900	900	.....	.....	.....	.....	Basic City
162.	NE.1/4, SW.1/4, Sec.20, T.19 N., R. 1 W.	Town of Itta Bena	T. B. Minyard	1926	6	1177	1177	1159	40	.....	Sand	Meridian
162a.	NW.1/4, SE.1/4, Sec.20, T.19 N., R. 1 W.	Itta Bena Ice & Coal Co.	T. B. Minyard	1925	2	1055	1055	1018	30	76	White sand	Meridian
163.	SW.1/4, NE.1/4,, Sec.4, T.19 N., R. 1 W.	Mrs. Oury		.....	3	.....	.....	.....	.....	.....	.....	
164.	SW.1/4, SE.1/4, Sec.20, T.19 N., R. 1 W.	Mrs. H. H. Nabors	R. H. Ray	1908	6	.....	.....	.....	.....	.....	.....	
165.	NW.1/4, SW.1/4, Sec.22, T.19 N., R. 1 W.	Fred Metcalf		.....	2	500(?)	.....	.....	.....	.....	.....	Kosciusko(?)
166.	NW.1/4, SW.1/4, Sec.22, T.19 N., R. 1 W.	Fred Metcalf	C. M. Journey	1937	2	1400	1400	1340	60	.....	Sand	Meridian(?)
167.	NE.1/4, SE.1/4, Sec.21, T.19 N., R. 1 E.	N. L. Craig		1915(?)	.....	300	.....	.....	.....	.....	Sand	Winona
168.	SE.1/4, NE.1/4, Sec.21, T.19 N., R. 1 E.	LeFlore County	J. R. Rickles	1930	3	800(?)	.....	.....	.....	.....	Sand	Meridian
169.	NW.1/4, SW.1/4, Sec.22, T.19 N., R. 1 E.	W. L. Craig	R. H. Ray	1922	3	655	.....	.....	.....	.....	Sand & clay	Basic City
170.	NW.1/4, SW.1/4, Sec.22, T.19 N., R. 1 E.	W. L. Craig	R. H. Ray	1911	3	655	.....	.....	.....	.....	Sand	Basic City
171.	SE.1/4, NE.1/4, Sec.22, T.19 N., R. 1 E.	W. L. Craig		1911	.....	655	.....	.....	.....	.....	Sand	Basic City
172.	Sec. line Secs.27-26, T.19 N., R. 1 E.	C. S. Whittington	J. R. Rickles	1937	2	450	450	.....	.....	.....	Sand	Basic City
172a.	NE.1/4, SE.1/4, Sec.26, T.19 N., R. 1 E.	James Glass	T. B. Minyard	1939	.....	486	484	.....	43	.....	Sand	Basic City
173.	NW.1/4, NW.1/4, Sec.27, T.19 N., R. 1 E.	W. L. Craig	T. B. Minyard	.....	.....	.....	.....	.....	.....	.....	.....	

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY—(Continued)

	Water Level		Measuring point			Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
154.	24.9	Oct. 4, 1938	130	1.5	Top of 8 in. well tee	450		72.5	Ind.	
155.	15.2	Sept. 30	130	0.4	Top of well tee	35		68.5	Dom.	Finished with perforated pipe
155a.	.....	.....	126	.....	.....	.....	.....	.....	Dom.	Reported yield when drilled, 60 g.p.m.
156.	25.1	Sept. 28	113	1.5	Top of well tee	.....	.....	73¼	Dom.	Supplies 5 families
157.	34.0	Sept. 28	117	1.6	Top of well tee	73	.....	70	Dom.	Reported yield in Oct., 1931. Five water sands reported
158.	16.0	Sept. 29	118	0.5	Top of 4 in. casing	.....	.....	.....	Dom.	Flows partly open. Reported yield when drilled, 120 g.p.m.
159.	14.2	Sept. 29	127	2.0	Top of well tee	15	.....	70.5	Dom.	Supplies 5 families
160.	5.5	Sept. 29	127	2.0	Top of well tee	13	.....	.....	Aban.	
161.	16(app.)	1936	123	.....	Surface of ground	100	.....	.....	Mun.	Well head buried; measurements reported
162.	46(app.)	1925	123	.....	Surface of ground	450	.....	.....	Mun.	Well head buried; measurements reported
162a.	.....	.....	.....		.....	.....	.....	.....	.....	Reported yield when drilled, 70 g.p.m., static water level, 35 ft. above surface of the land
163.	−6.4	Sept. 29, 1938	128	1.0	Top of 2 in. well cup	.....	.....	.....	Aban.	Formerly flowed
164.	10.9	Sept. 29	128	1.5	Top of well tee	.....	.....	70.5	Dom.	Supplies about 8 families
165.	8.4	Oct. 6	132	0	Base of valve on well head	.....	.....	.....	Dom.	
166.	33.6	Oct. 6	133	1.4	Top of well casing	.....	.....	72¼	Dom.	
167.	3(app.)	Jan. 7	127	0	Well head buried	.....	.....	.....	Dom.	
168.	11.3	Jan. 7, 1939	129	1.5	Top of well tee	.....	.....	.....	P. S.	Supplies airport
169.	8.1	Jan. 7	128	1.5	Top of 1 in. well tee	.....	6(app.)	.....	Dom.	
170.	8.1	Jan. 7	128	2.0	Top of 3 in. casing	2	.....	66	Dom.	Flows when well No. 169 is not pumped
171.	5(app.)	Jan. 7	.....	.....	.....	8	.....	68	Dom.	Flows open
172.	9.2	Jan. 7	129	3.0	Top of well tee	18	.....	66	Dom.	Finished with perforated pipe
172a.	.....	.....	126	.....	.....	.....	.....	66	Dom.	Reported yield when drilled, 12 g.p.m. Static water level, 12 ft. above surface of land
173.	+	Jan. 7	.....	.....	.....	11	.....	67	Dom.	Found flowing

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
174.	NE.1/4, NW.1/4, Sec.26, T.19 N., R. 1 W.	J. G. George Estate		.....	2½	.....	.....	.....	.....	.....	.....	
175.	NW.1/4, NE.1/4, Sec.29, T.19 N., R. 1 W.	Itta Bena School		.....	5	.....	.....	.....	.....	.....	.....	
175a.	NW.1/4, NE.1/4, Sec.26, T.19 N., R. 1 W.	A. L. Parker	T. B. Minyard	1939	.....	990	.....	.....	.....	.....	.....	Meridian
176.	NE.1/4, SW.1/4, Sec.26, T.19 N., R. 2 W.	Mr. Wood		.....	2	.....	.....	.....	.....	.....	.....	
177.	NE.1/4, SE.1/4, Sec.27, T.19 N., R. 2 W.	E. L. Fondren	C. M. Journey	1937	2	901	901	794	64	60	Gray sand	Basic City
178.	SE.1/4, NE.1/4, Sec.27, T.19 N., R. 2 W.	John L. Klump	T. B. Minyard	1938	2	897	897	857	40	.....	Sand	Basic City
179.	SE.1/4, NE.1/4, Sec.35, T.19 N., R. 2 W.	Dr. Charleston	J. R. Rickles	1930	2	660	660	620(?)	40	.....	Sand	Basic City
180.	NW.1/4, SW.1/4, Sec.33, T.19 N., R. 1 W.	John McLean		1900(?)	2	525	.....	.....	.....	.....	Sand	Winona
181.	SW.1/4, NW.1/4, Sec.33, T.19 N., R. 1 W.	John McLean	T. B. Minyard	1936	2	1125	1125	.....	.....	.....	Sand	Meridian
182.	NW.1/4, NW.1/4, Sec.32, T.19 N., R. 1 E.	C. S. Whittington		1905	3(?)	600	.....	.....	.....	.....	Sand	Basic City
183.	SE.1/4, NW.1/4, Sec.32, T.19 N., R. 1 E.	C. S. Whittington	J. R. Rickles	.....	2	480	.....	.....	.....	.....	Sand	Basic City
184.	SE.1/4, SW.1/4, Sec.32, T.19 N., R. 1 E.	Foah Malouf	J. R. Rickles	1933	3	600(?)	600(?)	.....	.....	.....	.....	Basic City
185.	NE.1/4, NE 1/4, Sec.32, T.19 N., R. 1 E.	C. S. Whittington	J. R. Rickles	1937	2	450	450	.....	.....	.....	Sand	Basic City or Winona
186.	SE.1/4, NE.1/4, Sec.33, T.19 N., R. 1 E.	C. S. Whittington	J. R. Rickles	1937	2	450	450	.....	.....	.....	Sand	Pasic City or Winona
187.	Center Sec.3, T.18 N., R. 1 E	Mrs. R. H. Morehead		.....	2	450(?)	.....	.....	.....	.....	.....	Basic City
188.	NW.1/4, NE.1/4, Sec.4, T.18 N., R. 1 E.	Mr. Kantor		.....	.....	600(?)	.....	.....	.....	.....	.....	Basic City
188a.	SW.1/4, SW.1/4, Sec.34, T.19 N., R. 1 E.	C. M. Journey	J. L. Woods	1939	3.2	754	.....	.....	.....	.....	Sand	Meridian
189.	NE.1/4, NE.1/4, Sec.5, T.18 N., R. 1 E.	Foah Malouf	J. R. Rickles	1938	1¼	600	600	400	200	.....	Sand	Basic City
190.	SW.1/4, SW.1/4, Sec.5, T.18 N., R. 1 E.	Burke Crawford		.....	2	.....	.....	.....	.....	.....	.....	Basic City
191.	NE.1/4, NE.1/4, Sec.4, T.18 N., R. 1 W.	John McLean	T. B. Minyard	1936	2	1106	1106	.....	.....	.....	Sand	Meridian
192.	NW.1/4, SE.1/4, Sec.9, T.18 N., R. 1 W.	R. E. Sanford	R. H. Ray	1923	2	800	800	.....	.....	.....	.....	Winona
193.	NE.1/4, SW.1/4, Sec.7, T.18 N., R. 1 E.	Mr. Saunders		.....	2	510	.....	.....	.....	.....	.....	Winona
194.	NE.1/4, NW.1/4, Sec.15, T.18 N., R. 1 W.	W. P. Kimbrough	R. H. Ray	1918	2	1065	.....	.....	.....	.....	.....	Winona

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.) Flow	Yield (g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
174.	9.2	Oct. 6	133	3.3	Top of well tee	.....	.....	67.5	Dom.	
175.	4.3	Sept. 29	129	2.5	Top of well tee	5	.....	70	Dom.	Supplies 2 families
175a.	.....	.....	115	.....	.....	.....	.....	.....	Dom.	
176.	15.8	Sept. 30	122	2.3	Top of well tee	.....	.....	70¼	Dom.	
177.	31	Sept. 30	120	2.3	Top of well tee	100	.....	.....	Dom.	Finished with perforated pipe
178.	31.3	Sept. 30	119	1.0	Top of well tee	35	.....	69	Dom.	
179.	15.6	Sept. 30	124	1.7	Top of well tee	15	.....	.....	Dom.	Supplies 2 families
180.	9.75	Sept. 29	124	1	Top of 4 in. casing	.....	.....	67.5	Dom.	
181.	35.6	Sept. 29	124	1	Valve 2 feet above top of casing	.....	.....	73¼	Dom.	
182.	10.3	Jan. 7, 1939	123	3	Top of well elbow	.....	.....	66	Dom.	
183.	4.7	Jan. 7	127	1.7	Top of well elbow	.....	.....	.....	Dom.	Used for store and camp site
184.	12.9	Jan. 9	128	1.5	Top of faucet elbow on well	.....	.....	.....	Dom.	Finished with perforated pipe
185.	9.8	Jan. 7	133	3.5	Top of well elbow	.....	.....	64¾	Dom.	Finished with perforated pipe
186.	.....	.....	.....	.....	.....	.....	.....	.....	Dom.	
187.	14.9	Jan. 9	130	3.0	Top of well tee	.....	.....	67¼	Dom.	
188.	13.9	Jan. 9	129	1.8	Top of well tee	.....	.....	67.2	Dom.	
188a.	.....	.....	.....	.....	.....	.....	.....	.....	Dom.	Reported yield when drilled, 90 g.p.m.
189.	12.3	Jan. 9	128	3.0	Top of ¾ in. elbow on well	.....	.....	67.0	Dom.	Finished with perforated pipe. Flows partly open
190.	9.0	Jan. 9	129	2.0	Top of well tee	.....	.....	66.5	Dom.	
191.	44.4	Sept. 29, 1938	121	1.0	Top of well tee	.....	.....	70¾	Dom.	Supplies 5 families
192.	17.5	Sept. 30	126	0.9	Top of well tee	.....	.....	69¾	Dom.	
193.	15	Jan, 9, 1939	131	3.0	Top of well tee	.....	.....	.....	Dom.	Well No. 22, Water Supply Paper 576, p. 301
194.	16.4	Sept. 30, 1938	126	1.5	Top of well tee	37.5	.....	69.5	Dom.	

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
195.	SE.1/4, NE.1/4, Sec.20, T.18 N., R. 2 W.	Sid Gillespie	T. B. Minyard		2(?)	1019	1019	719	300		Sand & clay	Claiborne
196.	NE.1/4, NW.1/4, Sec.27, T.18 N., R. 1 E.	C. S. Ware			3	500(?)						
197.	NE.1/4, NE.1/4, Sec.29, T.18 N., R. 1 W.	W. G. Poindexter	C. M. Journey	1937	2	942	942	822	80	42	Sand & clay	Basic City
198.	NW.1/4, SE.1/4, Sec.27, T.18 N., R. 2 W.	W. H. Morgan	Owner	1938	1¼	65	65	60	5		Sand & gravel	Alluvium
198a.	SW.1/4, NE.1/4, Sec.25, T.18 N., R. 2 W.	Arant & Bell	Kenneth Journey	1941	8	869					Green sand	Winona
199.	NE.1/4, SW.1/4, Sec.29, T.18 N., R. 2 W.	G. H. Kirkland										
200.	NE.1/4, NE.1/4, Sec.35, T.18 N., R. 2 W.	P. M. Kimbrough	C. M. Journey	1937	2	900(?)						Basic City(?)
201.	SW.1/4, NE.1/4, Sec.36, T.18 N., R. 2 W.	Mr. Scott & others			2(?)							
202.	NE.1/4, SE.1/4, Sec.36, T.18 N., R. 2 W.	T. Eli & others			2	829(?)						
203.	SW.1/4, NW.1/4, Sec.31, T.18 N., R. 1 W.	Ellis Williams	C. M. Journey	1933	2	1009	1009	949	60			Basic City
204.	NW.1/4, SE.1/4, Sec.32, T.18 N., R. 1 W.	W. A. Clark Estate		1916	4	800						Winona
205.	SW.1/4, SE.1/4, Sec.4, T.17 N., R. 1 W.	M. W. Steel		1914	2							
206.	Center SW.1/4, Sec.4, T.17 N., R. 1 W.	Louis Poindexter	C. M. Journey	1937	2	847	847	688	120		Sand	Winona & Basic City
207.	NE.1/4, NW.1/4, Sec.10, T.17 N., R. 2 W.	S. W. Verner	T. B. Minyard	1919	2	913					Sand	Winona(?)
207a.	SW.1/4, NW.1/4, Sec.3, T.17 N., R. 2 W.	F. Jones Estate	T. B. Minyard		3	839	839				Sand	Basic City
208.	SW.1/4, SW.1/4, Sec.9, T.17 N., R. 1 W.	M. W. Steel	Owner		2	911					Sand	Basic City
209.	SE.1/4, SW.1/4, Sec.15, T.17 N., R. 1 W.	Metropolitan Life Ins. Co.										
210.	SE.1/4, NW.1/4, Sec.17, T.17 N., R. 1 W.	Allen Kimbrough	C. M. Journey	1937	2	1043	1043			21	Green sand	Basic City
211.	NW.1/4, SW.1/4, Sec.17, T.17 N., R. 2 W.	C. G. Nichols	T. B. Minyard	1915	2	1010	1010		60		Green sand	Basic City
212.	NW.1/4, NE.1/4, Sec.29, T.17 N., R. 1 W.	Mrs. E. Williams		1918	2							
213.	SW.1/4, SE.1//4, Sec.29, T.17 N., R. 2 W.	Mrs. B. F. McNeil	T. B. Minyard	1910	3	600						Kosciusko
213a.	NW.1/4, NW.1/4, Sec.30, T.17 N., R. 2 W.	W. M. Duncan	T. B. Minyard		2	1159	1159		127		Sand	Basic City
214.	SE.1/4, SW.1/4, Sec.4, T.16 N., R. 2 W.	A. H. Beckham	T. B. Minyard	1929	2	1120	1120				Yellow sand	Basic City
215.	NW.1/4 NW.1/4, Sec.5, T.16 N., R. 2 W.	H. D. Lennard	T. B. Minyard	1919	2	1094(?)	1094(?)					Basic City

TABLE 18—RECORD OF WATER WELLS IN LEFLORE COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.)		Temp.	Use of	Other records and
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description	Flow	Pump	°F.	water	general information
195.	28.2	June 7, 1939	123	1.5	Top of well tee	90			Dom.	Well No. 197 in progress report
196.	12.0	Jan. 9	128	3.0	Top of well tee	5		68	Dom.	
197.	45.7	Sept. 30, 1938	123	2.0	Top of well tee	103		72.5	Dom.	Flow reported when drilled
198.	−30(app.)	Oct. 6	120		Surface		35		Dom.	
198a.			122						Dom.	Reported yield when drilled, 35 g.p.m. Static water level, 33 feet above the surface of the land
199.	30.4	Oct. 6	116	1.0	Top of well tee			76	Dom.	
200.	37.1	Oct. 1	120	0.5	Top of well tee	40		72.5	Dom.	
201.	7.3	Oct. 1	122	2.3	Top of well tee			73	P. S.	Supplies many families
202.	28.0	Oct. 1	123	1.5	Top of well tee				Dom.	Supplies 4 families
203.	47.8	Oct. 1	122	2.0	Top of well tee	60			Dom.	
204.	19.6	Sept. 20	123	2.0	Top of 6 in. casing	37.5		71.5	Dom.	
205.	16.1	Oct. 1	124	2.7	Top of well cross			70.5	Dom.	
206.	47.4	Oct. 1	121	2.7	Top of well tee			72.8	Dom.	
207.	21.0	June 8, 1939	120	2.3	Top of well arch	60			Dom.	Flow reported when drilled 50 g.p.m. yield reported when drilled.
207a.			118						Dom.	Static level 46 ft. above surface of the land
208.	41.6	Oct. 1, 1938	116	1.0	Top of well cross			73.0	Dom.	
209.	22.6	Oct. 4	117	0.5	Top of well cross				Dom.	
210.	49.8	Oct. 4	117	0.8	Top of well tee	75		74.5	Dom.	
211.	22.8	June 8, 1939	117	2.0	Top of well tee	27		76	Dom.	
212.	24.7	Oct. 4, 1938	116	1.5	Top of well tee	21		72	Dom.	
213.	20.7	June 8, 1939	119	1.2	Top of well tee				P. S.	Part of the supply of Swifttown Reported yield, 60 g.p.m. when drilled.
213a.			115							Static level more than 40 feet above surface
214.	35.2	June 8	118	1.0	Top of well tee	62		78	Dom.	
215.	24.8	June 9	117	2.5	Top of well elbow	125		75	Dom.	Flow reported when drilled

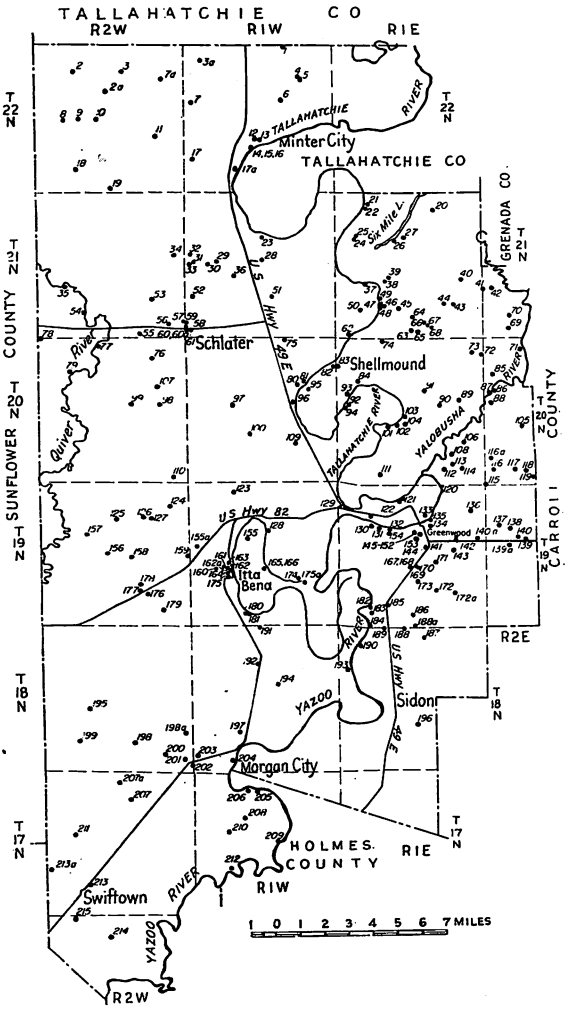


Figure 28.—Map of wells in Leflore County.

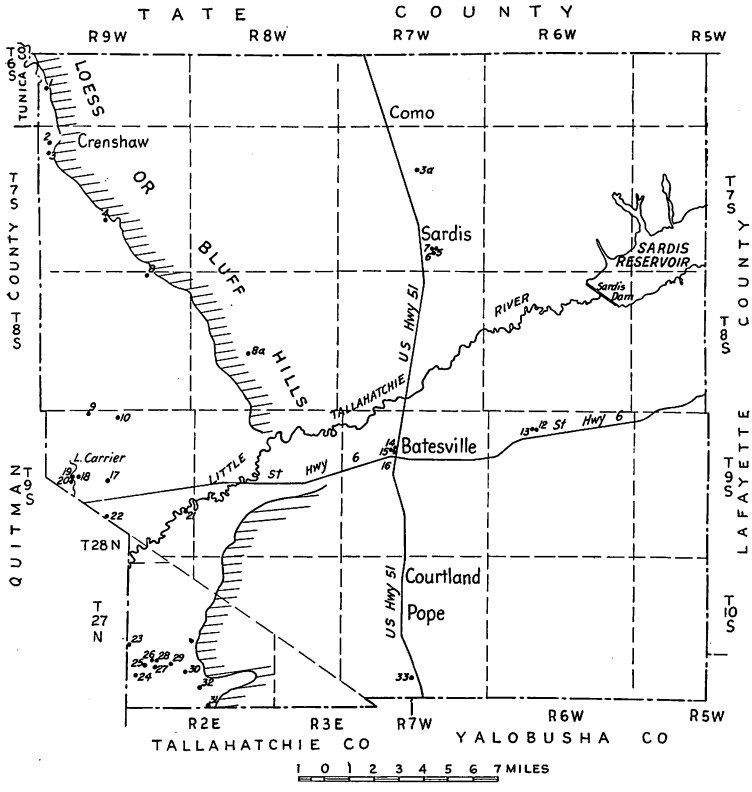


Figure 29.—Map of wells in Panola County.

TABLE 19—RECORD OF WATER WELLS IN PANOLA COUNTY

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
1.	SE.1/4, NW.1/4, Sec.30, T.6 S., R. 9 W.	L. H. Summus	Watson Well Co.	.....	3	110	110	.....	.....	.....	Fine sand	Kosciusko(?)
2.	NE.1/4, SW.1/4, Sec.6, T.7 S., R. 9 W.	Town of Crenshaw	Layne-Central	1925	10	1420	1420	1380	40	110	Sand	Lower Wilcox
3.	NE.1/4, NW.1/4, Sec.7, T.7 S., R. 9 W.	T. C. Potts	C. C. Gunter	1937	.....	400	.....	.....	.....	.....	.....	Kosciusko
3a.	SW.1/4, SW.1/4, Sec.10, T.7 S., R. 7 W.	Prisoner of War Camp	Layne-Central	1942	.....	319	319	.....	.....	.....	Sand	Kosciusko
4.	SW.1/4, SE.1/4, Sec.21, T.7 S., R. 9 W.	M. F. Dodson		1909	3	790	.....	.....	.....	.....	.....	Meridian
5.	NE.1/4, NE.1/4, Sec.34, T.7 S., R. 7 W.	Town of Sardis	Fairbanks Morse	1940	8	200(?)	.....	.....	.....	.....	.....	Basic City
6.	NE.1/4, NE.1/4, Sec.34, T.7 S., R. 7 W.	Town of Sardis	T. B. Trotter	1924	10	330	.....	.....	20	.....	.....	Basic City
7.	NE.1/4, NE.1/4, Sec.34, T.7 S., R. 7 W.	Town of Sardis	T. B. Trotter & Carloss Deep Well Co.	1911	10	.....	330	.....	.....	.....	.....	Basic City
8.	NE.1/4, NW.1/4, Sec.2, T.8 S., R. 9 W.	Mr. Hands		1900	.....	600	.....	.....	.....	.....	.....	Meridian
8a.	NE.1/4, SW.1/4, Sec.21, T.8 S., R. 8 W.	Bob Carrier	T. B. Minyard	1937	6	171	140	.....	30	59	Sand	Kosciusko
9.	NW.1/4, NE.1/4, Sec.5, T.9 S., R. 9 W.	C. M. Swango	T. C. Davis	1936	3	473	120	.....	.....	.....	.....	Basic City & Meridian
10.	SE.1/4, NE.1/4, Sec.4, T.9 S., R. 9 W.	R. W. Milan	T. C. Davis	1936	3	496	120	.....	.....	.....	.....	Basic City & Meridian
11.	NW.1/4, NW.1/4, Sec.3, T.9 S., R. 9 W.	Carvin Lbr. Co.		1910(?)	2½	630(?)	.....	.....	.....	.....	.....	Basic City & Meridian
12.	NW.1/4, SE.1/4, Sec.5, T.9 S., R. 6 W.	Lynn Sand & Gravel Co.	C. M. Journey	June, 1939	2	170	.....	.....	20	.....	.....	Meridian
13.	NW.1/4, SE.1/4, Sec.5, T.9 S., R. 6 W.	Lynn Sand & Gravel Co.	C. M. Journey	1929	12	365	.....	.....	80	.....	.....	Meridian
14.	SW.1/4, NW.1/4, Sec.9, T.9 S., R. 7 W.	Town of Batesville	Layne-Central	1938	8	1036	1036	.....	36	.....	.....	Lower Wilcox
15.	SW.1/4, NW.1/4, Sec.9, T.9 S., R. 7 W.	Town of Batesville		.....	.....	1040	.....	.....	.....	.....	.....	Lower Wilcox
16.	SW.1/4, NW.1/4, Sec.9, T.9 S., R. 7 W.	Town of Batesville	Layne-Central	.....	6	260	.....	.....	28	.....	.....	Kosciusko

TABLE 19—RECORD OF WATER WELLS IN PANOLA COUNTY—(Continued)

	Water Level		Measuring point			Yield	(g.p.m.)	Temp.	Use of	Other records and
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description	Flow	Pump	°F.	water	general information
1.	−35	July, 1939	220	.....	Surface	.....	7½	64	Dom. & stock.....	
2.	29.7	July 11,1939	191	1	Top of well tee.....	.....	.....	.....	P. S.....	Reported yield when drilled, 250 g.p.m.; static level of water 41 ft. above surface of land
3.	6.5	July 11, 1939	192	2	Top of 2 in. elbow	10	7	.....	Dom. & stock.....	Found flowing
3a.	.....	.....	360	.....	.....	.....	.....	.....	.....	
4.	+	.....	195(app.)	.....	.....	3	.....	.....	Dom. & stock.....	
5.	.....	.....	370(app.)	.....	.....	.....	.....	.....	.....	
6.	−90	.....	370(app.)	.....	.....	.....	250	.....	P. S.....	
7.	.....	.....	370(app.)	.....	.....	.....	150	.....	P. S.....	
8.	.....	.....	190	.....	.....	.....	.....	.....	.....	
8a.	.....	.....	300	.....	.....	.....	175	.....	.....	
9.	.....	.....	161	.....	.....	2	.....	.....	.....	Two wells nearby
10.	.....	.....	161	.....	.....	26	.....	65½	Dom. & stock.....	Found flowing
11.	13.2	July 1, 1939	161	.....	Top of 2 in. reducer	20	.....	64¾	Dom. & stock.....	Found flowing
12.	.....	.....	.....	.....	.....	9	.....	63½	P. S.....	
13.	1	Aug. 14, 1939	251.5(app.)	.....	Top of 1 in. overflow pipe	3	.....	62½	Drinking.....	
14.	.....	.....	240(app.)	.....	.....	.....	.....	.....	Ind.....	
15.	15.0	Dec. 1938	219.5	.....	Base plate of pump....	50	200	73	P. S.....	
16.	5.3	Feb. 22, 1940	219.5	.....	Top of 4 in. overflow pipe	16	.....	64¼	Used only in emergency....	

TABLE 19—RECORD OF WATER WELLS IN PANOLA COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
17.	SW.1/4, SW.1/4, Sec.17, T.9 S., R. 9 W.	Tommy Kelsay	T. C. Davis	1936	3	606	160	.....	.....	.....	.....	Meridian & Basic City
18.	NW.1/4, SW.1/4, Sec.17, T.9 S., R. 9 W.	Wade Ingram	.....	.....	3	600(app.)	.....	.....	.....	.....	.....	Meridian & Basic City
19.	NE.1/4, SW.1/4, Sec.17, T.9 S., R. 9 W.	Wade Ingram	.....	.....	3	600(app.)	.....	.....	.....	.....	.....	Meridian & Basic City
20.	SW.1/4, SE.1/4, Sec.16, T.9 S., R. 9 W.	W. J. McDonald	T. C. Davis	1936	3	500	.....	.....	.....	.....	.....	Basic City & Meridian
21.	SE.1/4, NW.1/4, Sec.28, T.9 S., R. 9 W.	J. M. Locke	T. C. Davis	1939	4	588	120	.....	.....	.....	.....	Meridian & Basic City
22.	SW.1/4, NE.1/4, Sec.25, T.9 S., R. 9 W.	L. A. Potts	T. C. Davis	Aug. 1938	3	500	.....	.....	.....	.....	.....	Basic City & Meridian
23.	SW.1/4, NW.1/4, Sec.19, T.27 N., R. 2 E.	J. W. Jenkins	Darnell Lbr. Co.	.....	3	.....	.....	.....	.....	.....	.....	
24.	NE.1/4, SW.1/4, Sec.30, T.27 N., R. 2 E.	R. R. Whitten	C. C. Gunter	1933	3	450(?)	100(?)	.....	.....	.....	.....	Basic City & Meridian
25.	NE.1/4, NE.1/4, Sec.30, T.27 N., R. 2 E.	G. B. Moore	C. C. Gunter	Aug. 1935	.....	420	180	.....	.....	.....	.....	Basic City & Meridian
26.	NW.1/4, NW.1/4, Sec.29, T.27 N., R. 2 E.	N. W. Conner	C. C. Gunter	Nov. 1933	2	485	180	.....	.....	.....	.....	Basic City & Meridian
27.	SW.1/4, NW.1/4, Sec.29, T.27 N., R. 2 E.	John Little	C. C. Gunter	Nov. 1933	2	480	180	.....	.....	.....	.....	Basic City & Meridian
28.	NW.1/4, NW.1/4, Sec.29, T.27 N., R. 2 E.	Henderson Tolliver	C. C. Gunter	Nov. 1933	2	475	180(?)	.....	.....	.....	.....	Basic City & Meridian
29.	NW.1/4, NE.1/4, Sec.29, T.27 N., R. 2 E.	Doyle Cooner	C. C. Gunter	Nov. 1937	2	440	140	.....	.....	.....	.....	Basic City & Meridian
30.	NE.1/4, SW.1/4, Sec.28, T.27 N., R. 2 E.	Jessie Renfro	C. C. Gunter	1938	2	433	240	.....	.....	.....	.....	Basic City & Meridian
31.	SE.1/4, SW.1/4, Sec.34, T.27 N., R. 2 E.	Dr. Glen Bramlett	.....	.....	2	400(?)	.....	.....	.....	.....	.....	Basic City & Meridian
32.	NE.1/4, NE.1/4, Sec.33, T.27 N., R. 2 E.	Mr. Pease Burkeholder	C. C. Gunter	Nov. 1938	2	400	.....	.....	.....	.....	.....	Basic City & Meridian
33.	NE.1/4, NE.1/4, Sec.33, T.10 S., R. 7 W.	Memphis Stone & Gravel Co.	C. M. Journey	1936	8	430	430	317	79	60–30	.....	Basic City & Meridian

TABLE 19—RECORD OF WATER WELLS IN PANOLA COUNTY—(Continued)

	Water Level		Measuring point			Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
17.	.....	.....	160	.....	.....	34	.....	.....	Dom & stock.....	
18.	.....	.....	160	.....	.....	.....	.....	.....	Dom. & stock.....	Reported to flow open
19.	.....	.....	160	.....	.....	.....	.....	.....	Dom. & stock.....	
20.	.....	.....	160	.....	.....	10	.....	64¾	.....	Found flowing
21.	.....	.....	160	.....	.....	5	.....	.....	Dom. & stock.....	
22.	6.0	July 1, 1939	174	3	.....	22.3	.....	62½	Dom. & stock.....	Found flowing
23.	2+	.....	157	.....	.....	12	.....	65	Dom. & stock.....	
24.	2.6	Nov. 28, 1938	164	.....	Top of 2 in. elbow.....	5.3	.....	63½	Dom. & stock.....	Found flowing
25.	8.4	Nov. 28, 1938	170	5	Top of 2 in. pipe.....	9	.....	64½	Dom. & stock.....	Found flowing
26.	4.5	Nov. 28, 1938	166	1.3	.....	8	.....	64½	Dom. & stock.....	Found flowing
27.	1.5	Nov. 28, 1938	170	2.5	Top of well elbow.....	4	.....	63	Dom. & stock.....	
28.	4.5	Nov. 28, 1938	165	.7	Top of 1 in. discharge	5.5	.....	64½	Dom. & stock.....	
29.	8	Nov. 28, 1938	167	1.7	Top of 2 in. pipe.....	15.2	.....	64½	Dom. & stock.....	
30.	10.9	Nov. 28, 1938	173	1.2	Top of discharge.....	9	.....	64½	Dom. & stock.....	
31.	1.8	Nov. 29, 1938	187	2.3	Top of well elbow.....	2	.....	63¾	Dom. & stock.....	
32.	3	Nov. 28, 1938	175	.....	At land surface.....	14	.....	62½	.....	
33.	.....	.....	.....	.....	.....	.....	.....	.....	Ind.....	

TABLE 20—RECORD OF WATER WELLS IN QUITMAN COUNTY

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
1.	NE.1/4, NE.1/4, Sec.35, T.7 S., R. 10 W.	Town of Sledge	Layne-Central	1929	8	1460	1460	.....	20(?)	.....	Sand	Lower Wilcox
2.	NW.1/4, SW.1/4, Sec.11, T.29 N., R. 2 W.	Mrs. P. C. Cooper	Joe Theders	.....	2	960	.....	.....	.....	.....	Sand	Meridian
3.	NW.1/4, NE.1/4, Sec.16, T.8 S., R. 10 W.	Peoples Gin Co.	Mr. Archer	1914(?)	5	750	.....	.....	.....	.....	Sand	Meridian
4.	SW.1/4, SE.1/4, Sec.14, T.8 S., R. 11 W.	Mr. May		1925(?)	.....	.....	.....	.....	.....	.....	.....	Meridian
5.	NE.1/4, NW.1/4, Sec.23, T.29 N., R. 2 W.	King and Anderson		1919	3	.....	.....	.....	.....	.....	Sand	
6.	SE.1/4, NE.1/4, Sec.29, T.8 S., R. 10 W.	Consolidated school	T. B. Minyard	1924	.....	689	.....	.....	.....	.....	Sand	Meridian
7.	SW.1/4, NE.1/4, Sec.29, T.8 S., R. 10 W.	Town of Darling	Darnelle Co.	1903	2½	700	.....	.....	.....	.....	Sand	Meridian
8.	NW.1/4, NW.1/4, Sec.2, T.28 N., R. 1 W.	J. J. McPherson	J. N. Fewell	1918	2½	816	200	.....	.....	.....	Sand	Meridian & Basic City
9.	SW.1/4, SW.1/4, Sec.11, T.28 N., R. 1 W.	Bolton & Williams Co.	Guy Rivers	.....	2	.....	.....	.....	.....	.....	.....	
10.	SW.1/4, SW.1/4, Sec.24, T.28 N., R. 1 W.	Self & Co.		1917	3	580	.....	.....	.....	.....	Sand	Basic City
11.	NE.1/4, NE.1/4, Sec.25, T.28 N., R. 2 W.	C. E. Downing	C. E. Feigler	1909	2	880	.....	.....	.....	.....	Sand	Meridian
12.	NW.1/4, NE.1/4, Sec.25, T.28 N., R. 2 W.	County school		.....	2	840	.....	.....	.....	.....	Sand	Meridian
13.	NW.1/4, NE.1/4, Sec.25, T.28 N., R. 2 W.	G. O. Denton	C. C. Gunter	.....	1¼	973	973	650	323	13	Blue sand	Basic City & Meridian
14.	SE.1/4, NE.1/4, Sec.34, T.28 N., R. 1 W.	Dr. J. E. Furr	C. M. Journey	1936	3	879	879	.....	.....	69	Sand	Meridian
15.	SE.1/4, NW.1/4, Sec.35, T.28 N., R. 1 W.	Town of Marks	T. B. Minyard	.....	4½	806	.....	.....	.....	.....	Sand	Meridian
16.	SE.1/4, NW.1/4, Sec.35, T.28 N., R. 1 W.	Town of Marks	Layne-Central	1936	8	896	896	836	60	80	Sand	Meridian
17.	NE.1/4, NW.1/4, Sec.35, T.28 N., R. 1 W.	Quitman County	W. Allen	.....	3	680	.....	.....	.....	.....	.....	Meridian
18.	SE.1/4, SE.1/4, Sec.1, T.27 N., R. 1 E.	J. E. Meyers		1918(?)	3	.....	.....	.....	.....	.....	.....	
19.	NE.1/4, SE.1/4, Sec.1, T.27 N., R. 1 E.	Enos Dancey	C. C. Gunter	1936	2	510	160	.....	.....	.....	Sand	Meridian
20.	SW.1/4, SW.1/4, Sec.2, T.27 N., R. 1 E.			.....	2	.....	.....	.....	.....	.....	.....	
21.	NE.1/4, NE.1/4, Sec.8, T.27 N., R. 2 W.	W. R. Harrington	C. M. Journey	1934	2½	1589	1589	1536	41	54	Sand & shale	Lower Wilcox
22.	NW.1/4, SW.1/4, Sec.10, T.27 N., R. 2 W.	L. J. Barksdale	C. M. Journey	1935	2	1603	1603	.....	.....	.....	Sand & shale	Lower Wilcox
23.	NW.1/4, SW.1/4, Sec.10, T.27 N., R. 2 W.	L. J. Barksdale	C. M. Journey	1937	2	900	900	860(?)	40	.....	Sand	Meridian
24.	NE.1/4, SW.1/4, Sec.10, T.27 N., R. 2 W.	L. J. Barksdale	W. Allen	1912	2(?)	900	.....	.....	.....	.....	.....	Meridian

TABLE 20—RECORD OF WATER WELLS IN QUITMAN COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.)		Temp.	Use of	Other records and
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description	Flow	Pump	°F.	water	general information
1.	55.1	June 28, 1939	168	1.5	Top of 8 in. well tee	.....	.....	79¼	P. S.	Natural pressure supplies town
2.	11.5	June 30	172	0	Top of well tee	.....	.....	72	Dom.	
3.	18(app.)	July 11	172	0	Surface of land	.....	.....	.....	Dom.	Found leaking about 20 g.p.m.
4.	14.6	June 30	165	0	Top of 1½ in. pipe by circular trough	.....	.....	.....	Dom.	
5.	18.6	June 30	172	0	Top of well tee	.....	.....	68	Dom.	
6.	18.4	July 11	167	0	Top of casing(?) of well head	7	.....	.....	School	Found flowing
7.	15.0	July 11	168	2	Top of well tee	18	.....	.....	P. S.	3 similar wells nearby
8.	11.7	July 1	168	3.5	Top of well tee	30	.....	66½	Dom.	Reported yield when drilled
9.	15.2	June 30	164	1	Top of well tee	.....	.....	.....	Dom.	
10.	16.3	June 30	168	3.5	Top of 2 in. well tee	26	.....	66	Dom.	
11.	11.7	June 28	166	1.5	Top of well tee	18	.....	68¼	Dom.	W. T. Covington Well, Water Supply Paper 576, p. 406
12.	.....	June 28	.....	.....	.....	.....	.....	.....	School	Found flowing about 5 g.p.m. at drinking fountain—M. E. Denton Well, Water Supply Paper 576, p. 406
13.	13.0	June 28	167	1	Top of well tee	.....	.....	.....	Dom.	Completed with perforated pipe
14.	20.0	June 30	161	0.3	Top of well tee	25	.....	70	Stock	Not suitable for hospital use because of hydrogen sulphide content
15.	11.5	June 28	165	3	Top of well elbow	13	.....	69¼	Aban.	Found flowing
16.	19.0	June 28	162	0	Top of well tee	380	.....	.....	P. S.	Found flowing 265 g.p.m. (reported overflow.)
17.	+	June 28	.....	.....	.....	5	.....	.....	Drinking	Found flowing
18.	13.3	Dec. 3, 1938	163	2	Top of well elbow	16½	.....	65½	Dom.	Found flowing
19.	10.7	Dec. 3	164	2.6	Top of well tee	13½	.....	65	Dom.	Found flowing
20.	8.25	Dec. 3	158	3	Top of well elbow	12	.....	.....	Aban.	Found flowing
21.	39.8	June 27, 1939	164	−1	Top of well tee	35	.....	77	Dom.	Reported yield when drilled
22.	33.9	June 28	165	0	Top of well tee	49	.....	78	Swimming pool	Brackish water
23.	10.6	June 28	165	0	Top of well tee	.....	.....	.....	Dom.	Adjacent to well No. 22
24.	4.6	June 28	169	3.5	Top of well tee	.....	.....	.....	Dom.	Reported decline in static head

TABLE 20—RECORD OF WATER WELLS IN QUITMAN COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
25.	NE.1/4, SE.1/4, Sec.11, T.27 N., R. 1 W.	A. D. Peterson	C. C. Gunter	1934	1¼	690	690	.....	.....	.....	Sand	Basic City
26.	SW.1/4, SE.1/4, Sec.12, T.27 N., R. 1 W.	A. D. Peterson		1908	2	700	.....	.....	.....	.....	Sand	Basic City
27.	NE.1/4, SW.1/4, Sec.12, T.27 N., R. 1 E.	H. E. Aldry	C. C. Gunter	1936	2	450	150	.....	.....	.....	Sand	Basic City
28.	NE.1/4, NW.1/4, Sec.18, T.27 N., R. 1 E.	F. A. Bell		1926	2	400(?)	.....	.....	.....	.....	.....	Kosciusko
29.	SE.1/4, SW.1/4, Sec.13, T.27 N., R. 1 W.	John Black		.....	2	650(?)	.....	.....	.....	.....	.....	Basic City
30.	NW.1/4, NW.1/4, Sec.13, T.27 N., R. 1 W.	A. D. Peterson		1910(?)	2	.....	.....	.....	.....	.....	.....	Basic City
31.	NE.1/4, SE.1/4, Sec.15, T.27 N., R. 1 W.	Delta Gin Co.		.....	2	690	.....	.....	.....	.....	.....	Basic City
32.	SW.1/4, SE.1/4, Sec.15, T.27 N., R. 1 W.	Lambert City Cafe		.....	2	720	.....	.....	.....	40	Sand	Basic City
33.	SW.1/4, SE.1/4, Sec.16, T.27 N., R. 2 W.	O. L. Gorman	T. B. Minyard	1937	2	1020	.....	.....	.....	.....	Sand	Meridian
34.	NW.1/4, NW.1/4, Sec.11, T.27 N., R. 1 W.	Federal Compress	T. B. Minyard	1933	2	843	843	759	84	90	White sand	Meridian
36.	NW.1/4, NE.1/4, Sec.22, T.27 N., R. 1 W.	Town of Lambert		.....	.....	765	.....	.....	.....	.....	.....	Meridian
37.	SW.1/4, NE.1/4, Sec.22, T.27 N., R. 1 W.	Town of Lambert	Layne-Central	1933	6	935	935	870(?)	65(?)	.....	Sand	Meridian
38.	NE.1/4, NE.1/4, Sec.24, T.27 N., R. 1 W.	J. W. Bailey	C. C. Gunter	1938	2	650	.....	.....	.....	.....	Sand	Basic City
39.	NW.1/4, SW.1/4, Sec.19, T.27 N., R. 1 E.	C. W. McCuller		.....	2	700(?)	.....	.....	.....	.....	.....	
40.	SE.1/4, NE.1/4, Sec.25, T.27 N., R. 2 E.	R. Darnell		1915(?)	3	.....	.....	.....	.....	.....	.....	
41.	SE.1/4, SE.1/4, Sec.25, T.27 N., R. 2 E.	Town of Crowder	J. McCarthy(?)	1914	2	480	480	.....	.....	.....	Sand	Basic City
42.	SE.1/4, SE.1/4, Sec.25, T.27 N., R. 2 E.	Town of Crowder	J. McCarthy(?)	1906	4½	510	.....	.....	.....	.....	Sand	Basic City
43.	SW.1/4, SE.1/4, Sec.25, T.27 N., R. 2 E.	County High School	C. C. Gunter(?)	1936	2	500	450	430	20	.....	Sand	Meridian
44.	SW.1/4, SE.1/4, Sec.25, T.27 N., R. 1 E.	Jake Nelson		1921	2	512	512	.....	.....	.....	Sand	Basic City(?)
45.	SW.1/4, SW.1/4, Sec.25, T.27 N., R. 1 E.	Louisville Cooperage Co.	Mr. Journey	1929	3	544	.....	.....	.....	.....	Sand	Meridian
46.	NE.1/4, SE.1/4, Sec.26, T.27 N., R. 1 E.	Jake Nelson		1926	2	512	100(?)	.....	.....	.....	Sand	Basic City
47.	SW.1/4, SE.1/4, Sec.26, T.27 N., R. 1 E.	V. A. Furr		1928	3	488	488	.....	.....	.....	.....	Basic City
48.	SE.1/4, SE.1/4, Sec.27, T.27 N., R. 1 E.	George Ross		.....	1¼	675	675	.....	.....	.....	Fine sand	Meridian & Basic City
49.	NW.1/4, SW.1/4, Sec.27, T.27 N., R. 1 E.	Mr. Shelton		1913	3	700	.....	.....	.....	.....	Sand	Meridian

TABLE 20—RECORD OF WATER WELLS IN QUITMAN COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.)		Temp.	Use of	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description	Flow	Pump	°F.	water	
25.	21.85	Nov. 26, 1938	154	1.2	Top of 2 in. casing	14		68	Dom.	Found flowing
26.	13.5	Nov. 26	162	0	Top of 2 in. plug on well head			67¾	Dom.	
27.	10.0	Dec. 3	161	1	Top of 2 in. casing	18		65	Dom.	
28.	4.3	Nov. 26	162	0.5	Top of 2 in. casing			64	Dom.	Found flowing about 3 g.p.m.
29.	14.9	Nov. 28	157	2.5	Top of 3 in. casing	8½		67	Dom.	Found flowing
30.	15.8	Nov. 26	160	1.6	Top of well tee			68	Dom.	
31.	6.5	Nov. 18	163	3.5	Top of well tee			65¾	Dom.	Found flowing about 4 g.p.m. Delta Gin Co., well, Water Supply Paper 576, p. 407
32.	6.0	Nov. 18	160	2.2	Top of drinking fountain			67	Drinking	H. L. Hamilton well, Water Supply Paper 576, p. 407. Found flowing 2 g.p.m.
33.	12.2	June 28, 1939	167	0	Top of 1 in. tee	25		68	Dom.	Also pumped
34.	27.6	July 7, 1933	160	0	Surface of land	22		70	Ind.	Yield, temperature and static head reported when drilled
36.	+	Nov. 18, 1938							P. S.	
37.	+	Nov. 18				70	280	72	P. S.	
38.	15(app.)	Nov. 19	157	1.3	Top of well tee			67½	Dom.	Found flowing 3 g.p.m.
39.	9.3	Nov. 19	163	2.8	Top of well tee				Dom.	Found flowing about 6 g.p.m.
40	4.5	Nov. 28	161	1.5	Top of well tee	4½		64¾	Dom.	Reported decline in static head
41.	3.7	Oct. 31	161	1	Top of well tee			65¼	P. S.	
42.	5(app.)	Oct. 31	162	0	Top of 4½ in. casing			65¼	P. S.	Supplies 5 families
43.	17.55	Oct. 31	164	1.3	Top of well tee	19		66¼	School	
44.	2(app.)	Nov. 18	163	2.5	Top of well tee	8		65	Dom.	Found flowing; static head reported
45.	20(app.)	Nov. 26	160	0	Surface of land	15		65	Dom.	Found flowing
46.	3.5	Nov. 28	163	3	Top of well elbow	6		63	Dom.	Found flowing
47.	7(app.)	Nov. 26, 1938	159	0.5	Top of well tee	5½		64	Dom.	Found flowing
48.	9.9	Nov. 28	160	1	Top of well tee	11		65	Dom.	
49.	12.3	Nov. 19	161	4.3	Top of 3 in. reducer			66½	Dom.	Found flowing about 10 g.p.m.

TABLE 20—RECORD OF WATER WELLS IN QUITMAN COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
50.	NW.1/4, SE.1/4, Sec.29, T.27 N., R. 1 E.	Camal White		1924	1¼	648	648	.....	.....	.....	Sand	Meridian
51.	NW.1/4, NE.1/4, Sec.27, T.27 N., R. 1 W.	E. W. Willis	W. Allen	1917	2	620	.....	.....	.....	.....	Sand	Basic City
52.	NW.1/4, SW.1/4, Sec.36, T.27 N., R. 2 W.	Buford J. Anderson	Fewell	1923	2	800	800	750	50	.....	Sand	Basic City
53.	NW.1/4, SW.1/4, Sec.36, T.27 N., R. 2 W.	Buford Anderson	C. E. Feigler	1905	2	.....	.....	.....	50	.....	.....	
54.	SW.1/4, SW.1/4, Sec.33, T.27 N., R. 1 W.	Jack Yeager		1900	.....	.....	.....	.....	.....	.....	.....	
55.	NE.1/4, NE.1/4, Sec.36, T.27 N., R. 2 E.	Town of Crowder		1923	4	450(?)	.....	.....	.....	.....	.....	Meridian
56.	SW.1/4, SW.1/4, Sec.1, T.26 N., R. 1 E.	Mr. Van Savage	T. C Davis	1936	2	420	200	.....	.....	.....	Sand	Basic City & Meridian
57.	NE.1/4, NW.1/4, Sec.2, T.26 N., R. 1 E.	F. Martin	T. C. Davis	1935	2	.....	.....	.....	.....	.....	.....	
58.	SE.1/4, NE.1/4, Sec.3, T.26 N., R.1 E.	C. R. Chisum	T. C. Davis	1935	2	448	188	.....	.....	50	Sand	Meridian
59.	NE.1/4, NW.1/4, Sec.3, T.26 N., R. 1 E.	F. M. Darnell		1925	3	525	525	.....	.....	.....	Sand	Meridian
60.	NW.1/4, SE.1/4, Sec.4, T.26 N., R. 1 E.	Mr. Van Savage		.....	3	750(?)	.....	.....	.....	.....	.....	
61.	NE.1/4, SW.1/4, Sec.6, T.26 N., R. 1 E.	John S. Allen	L. S. Journey	1928	2	640	640	560	80	.....	Sand	Basic City & Meridian
62.	NW.1/4, NW.1/4, Sec.1, T.26 N., R. 1 W.	State Prison	C. M. Journey	1931	4	817	817	757	60	95	Sand	Meridian
63.	NW.1/4, SW.1/4, Sec.2, T.26 N., R. 1 W.	State Prison		.....	3	.....	.....	.....	.....	.....	.....	
64.	NE.1/4, NE.1/4, Sec.3, T.26 N., R. 1 W.	John S. Allen	J. N. Fewell	1922	2	840	840	710(?)	130	.....	Sand	Meridian
65.	NE.1/4, SE.1/4, Sec.4, T.26 N., R. 1 W.	State Prison		.....	3	.....	.....	.....	.....	.....	.....	Basic City
66.	NE.1/4, NE.1/4, Sec.5, T.26 N., R. 1 W.	Dr. J. E. Furr	Layne-Central	1936	3	1078(?)	1078(?)	.....	40	.....	Sand	Meridian
67.	NE.1/4, NE.1/4, Sec.5, T.26 N., R. 1 W.	Dr. J. E. Furr	Layne-Central	1935	3	998	998	958	40	.....	Sand	Meridian
68.	SW.1/4, SW.1/4, Sec.3, T.26 N., R. 2 W.	Walnut School		1919	2	.....	.....	.....	.....	.....	.....	
69.	SE.1/4, SW.1/4, Sec.4, T.26 N., R. 2 W.	I. B. Boland	C. M. Journey	1931	3	1000	.....	.....	.....	.....	.....	Meridian(?)
70.	SW.1/4, NW.1/4, Sec.5, T.26 N., R. 2 W.	Clint Henderson	Allen Ross	1912	3	900	.....	.....	.....	.....	Sand	Meridian & Basic City
71.	SW.1/4, NE.1/4, Sec.6, T.26 N., R. 2 W.	C. G. Bobo	C. E. Feigler	1905	3	.....	.....	.....	.....	.....	.....	
72.	NW.1/4, NW.1/4, Sec.8, T.26 N., R. 2 W.	Clint Henderson	C. E. Feigler	1910	2	900	.....	.....	.....	.....	Sand	Meridian & Basic City
73.	SE.1/4, NW.1/4, Sec.10, T.26 N., R. 2 W.	W. S. Grantham	J. A. Pollard	1924	2	860	.....	.....	.....	.....	Sand	Meridian & Basic City

TABLE 20—RECORD OF WATER WELLS IN QUITMAN COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.) Flow	Yield (g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
50.	+	Nov. 19	.....	.....	.....	.....	.....	67¼	Dom.	Found flowing 5 g.p.m. from overflow pipe 9.6 feet above land surface
51.	5.8	Nov. 26	157	2.5	Top of well tee	.....	.....	67½	Dom.	Reported marked decline during last four years.
52.	10.0	Dec. 2	160	1.5	Top of well tee	.....	.....	66½	Dom.	
53.	+	Dec. 2	.....	.....	.....	.....	.....	65	Dom.	Recently cleared of sand by C. C. Gunter
54.	+	Nov. 17	157	.....	.....	.....	.....	67¾	Dom.	Numerous leaks
55.	14.4(app.)	Oct. 31	160	0.4	Top of well tee	.....	.....	68¼	P. S.	Found flowing through overflow 14 feet above land surface
56.	6.8	Nov. 25	159	3	Top of well elbow	9½	.....	65	Dom.	Found flowing
57.	13.8	Nov. 19	156	2	Top of well elbow	22½	.....	65¾	Dom.	Found flowing
58.	15.0	Nov. 19	158	3.3	Top of well elbow	26	.....	66¼	Dom.	Found flowing
59.	17.8	Nov. 18	152	1.4	Top of well tee	.....	.....	66½	Dom.	
60.	26.2	Nov. 18	153	0	Top of well tee	.....	.....	.....	Dom.	Found flowing about 7 g.p.m.
61.	13.8	Nov. 17	152	2.3	Top of well tee	.....	.....	66	Dom.	Found flowing 3 g.p.m.
62.	20.7	Nov. 19	152	0	Top of well tee	130	.....	70	Prison	Reported yield when drilled
63.	14.7	Nov. 19	154	2.7	Top of well cross	.....	.....	.....	Prison	
64.	+	Nov. 16	153	.....	.....	40	.....	.....	Dom.	
65.	13.2	Nov. 26	155	1.6	Top of well tee	.....	.....	67	Prison	
66.	15.1	Nov. 17	160	3.4	Top of well tee	38	.....	.....	Dom.	Reported yield when drilled
67.	16.4	Nov. 17	158	1.4	Top of well tee	18	.....	63	Dom.	Reported yield when drilled
68.	13.2	Dec. 2	162	0	Land surface at box	.....	.....	.....	School	
69.	12.9	Dec. 2	160	0	Land surface at well head	.....	.....	.....	.....	Reported decline in static head
70.	4	Dec. 1	162	2	Top of faucet by well	.....	.....	65	Dom.	Finished with a screen
71.	+	Dec. 1	161	.....	.....	.....	.....	.....	Dom.	Open end well
72.	7.25	Dec. 1	161	1.3	Top of well tee	.....	.....	.....	Dom.	
73	11.8	Dec. 2	158	1	Top of well tee	.....	.....	.....	Dom.	Reported decline in static head

TABLE 20—RECORD OF WATER WELLS IN QUITMAN COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
74.	SW.1/4, SE.1/4, Sec.10, T.26 N., R. 2 W.	M. P. Sturdivant		.....	2	850	.....	.....	.....	.....	Sand	Meridian & Basic City
75.	SW.1/4, SE.1/4, Sec.7, T.26 N., R. 1 E.	Rufus F. Wright	C. M. Journey	1927	3	550	550(?)	.....	.....	.....	Sand	Basic City & Meridian
76.	SE.1/4, NE.1/4, Sec.14, T.26 N., R. 1 E.	R. Wright, Sr.		.....	2	400(?)	.....	.....	.....	.....	.....	
77.	SE.1/4, NW.1/4, Sec.16, T.26 N., R. 1 E.	County School	C. C. Gunter	1937	1¼	537	537	453(?)	84	.....	Sand	Basic City & Meridian
78.	SW.1/4, SE.1/4, Sec.17, T.26 N., R. 1 E.	Jones Ferris	C. C. Gunter	1934	1¼	565	565	448(?)	84	.....	Sand	Basic City & Meridian
79.	NE.1/4, SE.1/4, Sec.18, T.26 N., R. 1 E.	Clayton Tutor	T. C. Davis	1938	2	560	500	.....	.....	.....	Sand	Basic City & Meridian
80.	SE.1/4, SE.1/4, Sec.18, T.26 N., R. 1 E.	Mr. Maxey		.....	3	615	.....	.....	.....	.....	Sand	Basic City & Meridian
81.	NW.1/4, SE.1/4, Sec.15, T.26 N., R. 1 W.	John S. Allen	George Bell	.....	.....	.....	.....	.....	.....	.....	.....	
82.	NW.1/4, SW.1/4, Sec.15, T.26 N., R. 2 W.	O. P. Sarver	J. N. Fewell	.....	2	850	450	.....	.....	.....	Sand	
83.	SE.1/4, NE.1/4, Sec.15, T.26 N., R. 2 W.	J. H. Manning	J. N. Fewell	.....	2	850	.....	.....	.....	.....	Sand	Meridian(?)
84.	NW.1/4, SE.1/4, Sec.15, T.26 N., R. 2 W.	J. A. Barkins		.....	2	.....	.....	.....	.....	.....	.....	
85.	SE.1/4, SW.1/4, Sec.15, T.26 N., R. 2 W.	Dr. C. Densan	C. C. Gunter	.....	2	900	.....	.....	.....	.....	Sand	Meridian
86.	NE.1/4, NE.1/4, Sec.19, T.26 N., R. 2 W.	Norman Thomas	C. C. Gunter	1938	2	825	.....	.....	80	.....	Sand	Meridian
87.	NW.1/4, NW.1/4, Sec.20, T.26 N., R. 1 W.	E. L. Anderson		1900	2	1000(?)	.....	.....	.....	.....	.....	
88.	NW.1/4, NE.1/4, Sec.20, T.26 N., R. 1 E.	A. B. Shelton		1914	2	.....	.....	.....	.....	.....	.....	
89.	NW.1/4, NE.1/4, Sec.30, T.26 N., R. 2 W.	Mrs. Mary Shotwell	Joe Theders	1914	2	1025	1000	.....	25	.....	Sand	Basic City
90.	SW.1/4, SE.1/4, Sec.35, T.26 N., R. 2 W.	M. P. Sturdivant		.....	3	.....	.....	.....	.....	.....	.....	
91.	SW.1/4, SE.1/4, Sec.36, T.26 N., R. 2 W.	M. P. Sturdivant		.....	3	.....	.....	.....	.....	.....	.....	
92.	SE.1/4, SE.1/4, Sec.36, T.26 N., R. 2 W.	E. Q. Vance & others	C. M. Journey	1928	3	.....	.....	.....	.....	.....	.....	
93.	NE.1/4, NW.1/4, Sec.31, T.26 N., R. 1 W.	E. Q. Vance	C. M. Journey	1936	2	1064	1064	1015	41	43	Sand	Meridian
94.	SE.1/4, NW.1/4, Sec.32, T.26 N., R. 1 W.	Edward Lipe		.....	2	.....	.....	.....	.....	.....	.....	
95.	NW.1/4, NE.1/4, Sec.32, T.26 N., R. 1 E.	George Shellmond	C. C. Gunter	1935	1¼	576	576	496	80	.....	Sand	Meridian
96.	NW.1/4, NE.1/4, Sec.35, T.26 N., R. 1 E.	H. Moore		1920	2	.....	.....	.....	.....	.....	.....	

TABLE 20—RECORD OF WATER WELLS IN QUITMAN COUNTY—(Continued)

	Water Level		Measuring point							
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description	Yield (g.p.m.) Flow	Pump	Temp. °F.	Use of water	Other records and general information
74.	5.7	Dec. 2	164	1.6	Top of well tee	3		67	Dom.	
75.	16.4	Nov. 25	155	2.4	Top of 2 in. tee	30		66½	Dom.	Found flowing 9 g.p.m.
76.	7.0	Nov. 25	152	1.5	Top of well tee			65	Dom.	Found flowing 5 g.p.m.
77.	17.6	Nov. 25	154	1.5	Top of well tee	13		66	Dom.	Found flowing 11 g.p.m.
78.	16.7	Nov. 25	155	3	Top of well elbow	14½		66½	Dom.	Found flowing
79.	14.2	Nov. 17	153	0	Top of 2 in. reducer	6		64¼	Dom.	Found flowing
80.	+	Nov. 17	153					67	Dom.	Numerous leaks
81	+	Nov. 19	151					69	Dom.	Numerous leaks. Found flowing 8 g.p.m.
82.	−8(app.)	Dec. 2	154						Aban.	Ceased flowing abruptly Nov. 1, 1938
83.	+	Dec. 2	159			3		66¾	Dom.	Collapsed in 1937. Rebored by C. C. Gunter
84.	9.7	Dec. 2	159	1.1	Top of concrete block	15		68	Dom.	
85.	+	Dec. 2	160			3		66½	Dom.	Found flowing
86.	7.7	Dec. 2	161	1	Top of well plug	5		66	Dom.	Found flowing
87.	0						pitcher			Ceased flowing 1937
88.	4.6(app.)	Nov. 17	157	3.4	Top of well tee			64½	Dom.	
89.	3.5	Dec. 2	162	0	Top of well tee				Dom.	
90.	14.5	Nov. 16	156	0.3	Top of 3 in. reducer	15		66¾	Dom.	
91.	14.7	Nov. 16	155	1.7	Top of well tee	72		69¾	Dom.	
92.	17.0	Nov. 17	152	0	Top of well tee					Supplies 4 families; jointly owned
93.	16.7	Nov. 16	155	0.9	Top of well tee	51½		71¾	Dom.	
94.	11.2	Nov. 25	153	2.8	Top of well tee	14		68	Dom.	
95.	23.3	Nov. 17	151	1.5	Top of well tee	30			Dom.	Reported yield when drilled
96	4.3	Nov. 25	151	1	Top of well elbow	6		63½	Aban.	Found flowing

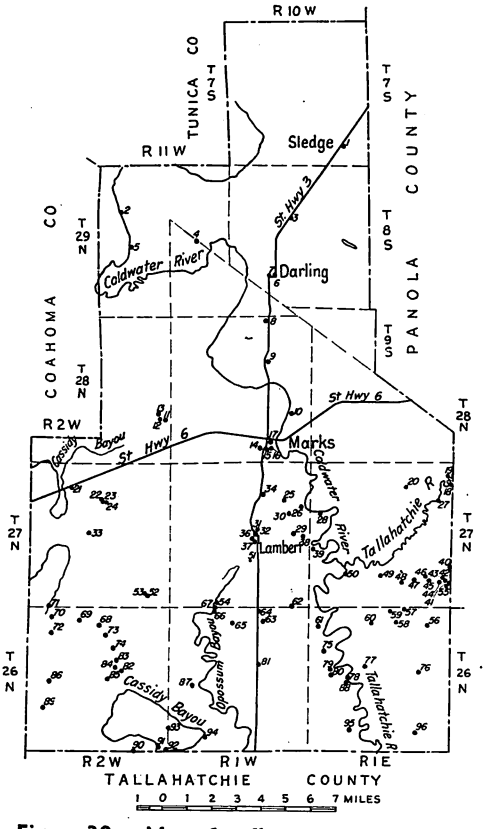


Figure 30.—Map of wells in Quitman County.

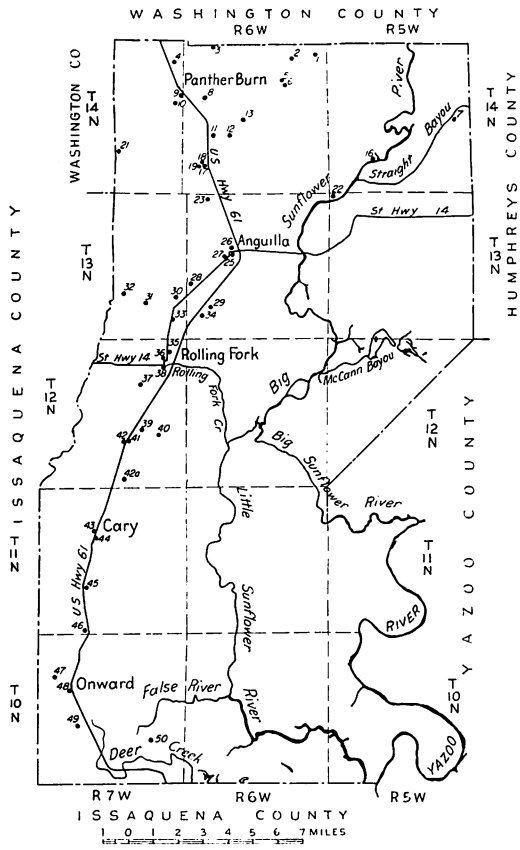


Figure 31.—Map of wells in Sharkey County.

TABLE 21—RECORD OF WATER WELLS IN SHARKEY COUNTY

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
1.	SW.1/4, NE.1/4, Sec.1, T.14 N., R. 6 W.	Clark Spencer & others	W. F. Linsenmeyer	1929	3	701(?)	701	.....	.....	.....	.....	Cockfield
2.	SW.1/4, NE.1/4, Sec.2, T.14 N., R. 6 W.	J. S. Sigler	T. B. Minyard	1924	3.2	1006.6	880	.....	40	.....	Sand	Kosciusko
3.	NE.1/4, NW.1/4, Sec.5, T.14 N., R. 6 W.	J. W. Kent	T. B. Minyard	1918	.....	780	780	.....	.....	.....	Sand	Cockfield
4.	SE.1/4, SW.1/4, Sec.1, T.14 N., R. 7 W.	McGee Dean Planting Co.		.....	2½	600	.....	.....	.....	.....	Sand	Cockfield
5.	SW.1/4, NW.1/4, Sec.11, T.14 N., R. 6 W.	R. W. Williams	W. F. Linsenmeyer	1910	3	753	.....	.....	11	.....	Sand	Wautubbee
6.	NW.1/4, SW.1/4, Sec.11, T.14 N., R. 6 W.	R. P. Richardson		1917	3	.....	.....	.....	.....	.....	.....	
7.	SE.1/4, SW.1/4, Sec.13, T.14 N., R. 5 W.	Straight Bayou School	T. B. Minyard	1923	3	705	705	685	20	.....	Sand	Kosciusko
8.	NE.1/4, NE.1/4, Sec.18, T.14 N., R. 7 W.	McGee Dean Planting Co.		.....	.....	600	.....	.....	.....	.....	Sand	Cockfield
9.	NE.1/4, NE.1/4, Sec.13, T.14 N., R. 7 W.	McGee Dean Planting Co.		.....	4	600	.....	.....	.....	.....	Sand	Cockfield
10.	SW.1/4, NE.1/4, Sec.13, T.14 N., R. 7 W.	McGee Dean Planting Co.		.....	2½	600	.....	.....	.....	.....	Sand	Cockfield
11.	NW.1/4, SW.1/4, Sec.20, T.14 N., R. 6 W.	D. D. Low Estate	T. B. Minyard	1923	1½	691	380	.....	.....	.....	Sand	Cockfield
12.	NE.1/4, SE.1/4, Sec.20, T.14 N., R. 6 W.	D. D. Low Estate		.....	2½	777	.....	.....	.....	.....	Sand	Cockfield
13.	NE.1/4, NW.1/4, Sec.21, T.14 N., R. 6 W.	D. D. Low Estate	T. B. Minyard	.....	3	712	712	.....	.....	.....	.....	Cockfield
16.	NE.1/4, SE.1/4, Sec.29, T.14 N., R. 5 W.	Will Tidwell		.....	2½	565	.....	.....	.....	20	Sand	Cockfield
17.	SE.1/4, SE.1/4, Sec.30, T.14 N., R. 6 W.	R. P. Caselli	Layne-Central	1926	4	950	950	.....	20	.....	Sand	Kosciusko
18.	NE.1/4, SE.1/4, Sec.30, T.14 N., R. 6 W.	H. V. Philpps		1916	2½	650	650	.....	.....	.....	Sand	Cockfield
19.	SE.1/4, SE.1/4, Sec.30, T.14 N., R. 6 W.	Mrs. E. P. Crump	T. B. Minyard	1923	2	710	710	.....	.....	68	Sand	Cockfield
21.	NW.1/4, SW.1/4, Sec.27, T.14 N., R. 7 W.	Homer Dean	Layne-Bowler	1919	2½	980	.....	.....	40	.....	Sand	Kosciusko
22.	NW.1/4, NW.1/4, Sec.6, T.13 N., R. 5 W.	A. S. Brown	T. B. Minyard	1923	3	780	732	683	40	.....	Sand	Cockfield
23.	NE.1/4, NE.1/4, Sec.6, T.13 N., R. 6 W.	A. P. Cameron	T. B. Minyard	1924	2	1211	1211	1137	54	80	Sand	Kosciusko
25.	SE.1/4, NE.1/4, Sec.17, T.13 N., R. 6 W.	Mrs. G. C. Fields	C. M. Journey	1937	3	1197	1197	1146	51	26	Sand	Kosciusko
26.	NE.1/4, NE.1/4, Sec.17, T.13 N., R. 6 W.	Mrs. G. C. Fields	Mr. Everheart	1911	2½	1394	1394	.....	.....	.....	Sand	Kosciusko
27.	SW.1/4, NE.1/4, Sec.17, T.13 N., R. 6 W.	Mrs. G. C. Fields		1915	3(?)	.....	.....	.....	.....	.....	.....	
28.	SW.1/4, SW.1/4, Sec.19, T.13 N., R. 6 W.	Mrs. Thomas Fields	Mr. Everheart	.....	4	1030	.....	.....	.....	.....	Sand	Kosciusko

TABLE 21—RECORD OF WATER WELLS IN SHARKEY COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.) Flow	Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
1.	11.7	Mar. 3, 1939	103	1	Top of well tee	35			Dom.	
2.	11.5	Mar. 3	104	1.7	Top of well tee	35			Dom.	Reported yield when drilled, 50 g.p.m. Static water level, 22 ft. above surface
3.	8.8	Dec. 9, 1938	107	0	Top of inverted 1 in. tee	10			Dom.	Reported static level of water when drilled, 22 ft. above land surface
4.	4.0	Mar. 3, 1939	118	2.5	Top of well tee				Dom.	
5.	+								Dom.	Reported static level of water when drilled, 30 ft. above land surf., yield 60 g.p.m.
6.	9.7	Mar. 3	100	2.3	Top of well tee	42			P. S.	
7.	10.4	Jan. 21	105	3.0	Top of well tee			71	School	Reported static level of water when drilled, 20 ft. above land surf., yield; 40 g.p.m.
8.	3.2	Mar. 3	116	4	Top of well tee				Dom.	Reported static level of water in 1937, 7 ft. above land surface, yield; 14 g.p.m.
9.	3.0	Mar. 3	114	1.5	Top of well elbow	14	13		Dom.	Reported yield in 1934, 60 g.p.m.
10.	3.6	Mar. 3	115	4.1	Top of well tee	17			Dom.	
11.	9.4	Feb. 28	110	1	Top of well elbow				Dom.	
12.	3.0	Feb. 28	117	4.4	Top of well tee				Dom.	
13.	8.3	Feb. 28	109	1	Top of well tee				Dom.	Reported yield when drilled, 50 g.p.m. Static water level, 21 ft. above land
16.	16.1	Feb. 28	105	5	Top of well elbow				Dom.	Richey well, Water Supply Paper 576, p. 419
17.	6.5	Feb. 28	114	2.3	Top of well tee	86			Dom.	Reported static level of water when drilled, 11 ft. above land surf., yield, 120 g.p.m.
18.	7	Feb. 28	115	3	Top of well tee	16			Dom.	
19.										Reported yield when drilled, 25 g.p.m. Static water level, 21 ft. above land
21.	7.1	Feb. 24	105	3	Top of well tee	13			Dom.	Reported yield when drilled, 46 g.p.m.
22.	16.8	Mar. 3	101	0.9	Top of well tee	67			Dom.	Supplies 7 families. Reported yield when drilled, 40 g.p.m. Static level, 28 ft. above surface of land
23.	8.5	Feb. 27	105	2.3	Top of well elbow				Dom.	
25.	14.2	Feb. 18	108	1	Top of well elbow	100			Dom.	Reported yield when drilled
26.	+					60			P. S.	Supplies numerous homes in Anguilla
27.	8.8	Feb. 18	109	2.5	Top of well elbow	13		78	P. S.	Supplies numerous homes in Anguilla
28.	14.2	Feb. 18	105	0.6	Top of well tee	56		81	Dom.	

TABLE 21—RECORD OF WATER WELLS IN SHARKEY COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
29.	NW.1/4, SW.1/4, Sec.29, T.13 N., R. 6 W.	J. B. Dunaway	C. M. Journey Co.	1937	2	997	997	954	43	95	Sand	Kosciusko
30.	SW.1/4, NE.1/4, Sec.25, T.13 N., R. 7 W.	H. G. Carpenter	.....	.....	4	1071	.....	.....	.....	.....	Sand	Kosciusko
31.	SE.1/4, NW.1/4, Sec.26, T.13 N., R. 7 W.	Miss Olive Alexander	C. M. Journey	1937	2	970	970	930	40	92	Sand	Kosciusko
32.	NE.1/4, NW.1/4, Sec.27, T.13 N., R. 7 W.	Thomas McMahon	T. B. Minyard	1922	3	1052	1052	.....	20	.....	Sand	Kosciusko
33.	NE.1/4, SW.1/4, Sec.36, T.13 N., R. 7 W.	County Farm	T. B. Minyard	1926	2	839	839	793	40	45	Sand	Cockfield
34.	NW.1/4, NE.1/4, Sec.31, T.13 N., R. 6 W.	George C. Cortright	C. M. Journey	1936	2	996	996	955	41	31	Sand	Kosciusko
35.	NW.1/4, SW.1/4, Sec.1, T.12 N., R. 7 W.	Town of Rolling Fork	Layne-Central	1925	6	1042	1042	982	60	100	Sand	Kosciusko
36.	SW.1/4, SW.1/4, Sec.1, T.12 N., R. 7 W.	Town of Rolling Fork	.....	.....	3	900	.....	.....	.....	.....	Sand	Kosciusko
37.	SW.1/4, SW.1/4, Sec.11, T.12 N., R. 7W.	George C. Cortright	C. M. Journey	1936	2	1158	1158	1117	41	99	Sand	Kosciusko
38.	NE.1/4, NE.1/4, Sec.11, T.12 N., R. 7 W.	Town of Rolling Fork	.....	1907	2½	785	.....	.....	.....	.....	Sand	Wautubbee
39.	NW.1/4, SW.1/4, Sec.23, T.12 N., R. 7 W.	W. F. Paine & E. T. Garrett	C. M. Journey	1935	2	874	874	833	41	18	Sand	Kosciusko
40.	SE.1/4, SE.1/4, Sec.23, T.12 N., R. 7 W.	Paine, Garrett, & Baggett	C. M. Journey	1938	2	848	848	788	60	85	Sand	Kosciusko
41.	NW.1/4, NE.1/4, Sec.27, T.12 N., R. 7 W.	Egremont Gin Co.	C. M. Journey	1937	2	877	877	813	64	61	Sand	Kosciusko
42.	NW.1/4, NE.1/4, Sec.27, T.12 N., R. 7 W.	E. V. Perry	Mr. Bell	1914	2	1000	.....	.....	.....	.....	Sand	Kosciusko
42a.	NE.1/4, SW.1/4, Sec.34, T.12 N., R. 7 W.	Ike Grundfest	Charles Perkins	1939	2	896	896	851	45	60+	Sand	Kosciusko
43.	SE.1/4, SW.1/4, Sec.9, T.11 N., R. 7 W.	Town of Carey	T. B. Minyard	1910	2½	747	.....	.....	.....	50	Sand	Kosciusko
44.	NE.1/4, NW.1/4, Sec.16, T.11 N., R. 7 W.	Cary School	C. M. Journey	1934	2½	1149	1149	624(?)	.....	60	Sand	Kosciusko
45.	NE.1/4, NE.1/4, Sec.29, T.11 N., R. 7 W.	J. H. Moore	Layne-Bowler	.....	4	1279	1279	1119	.....	49	Sand	Kosciusko
46.	SW.1/4, SW.1/4, Sec.33, T.11 N., R. 7 W.	A. S. Darden	T. B. Minyard	1923	6.2	1114	1114	.....	.....	.....	Sand	Kosciusko
47.	SE.1/4, SE.1/4, Sec.7, T.10 N., R. 7 W.	Henry Kline	.....	.....	2½	879	.....	.....	.....	.....	Sand	Kosciusko
48.	SE.1/4, NW.1/4, Sec.17, T.10 N., R. 7 W.	Sou. United Gas Co.	Layne-Central	1936	6	.....	.....	.....	.....	.....	.....	Kosciusko
49.	NW.1/4, SE.1/4, Sec.20, T.10 N., R. 7 W.	James Hand & others	C. M. Journey	1936	2	1201	1201	1160	41	73	Sand	Kosciusko
50.	SW.1/4, NE.1/4, Sec.26, T.10 N., R. 7 W.	James Hand	.....	.....	3	.....	.....	.....	.....	.....	.....	

TABLE 21—RECORD OF WATER WELLS IN SHARKEY COUNTY—(Continued)

	Water Level		Measuring point			Yield / Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
29.	18.4	Feb. 18	107	0.4	Top of well tee	45			Dom.	Reported yield when drilled
30.	17.0	Feb. 18	106	1.0	Top of well elbow	60		81¼	Dom.	George C. Harris well, Water Supply Paper 576, p. 420
31.	14.3	Feb. 21	102	0.1	Top of well tee				Dom.	
32.	14.8	Feb. 21	103	1.1	Top of well tee	30		78½	Dom.	
33.	14.9	Feb. 18	104	0.7	Top of well tee				Dom.	Reported yield when drilled, 40 g.p.m. Static water level, 23 ft. above surf. of land
34.	17.5	Feb. 18	103	0	Top of well tee	45			Dom.	Reported yield when drilled
35.	13.0	Feb. 17	108	1.3	Top of well elbow	210		80	P. S.	Reported yield when drilled
36.	12.1	Feb. 17	108	0.8	Top of well plug			79½	P. S.	Reported yield in 1929, 60 g.p.m.
37.	19.4	Feb. 20	103	0	Top of well tee				Dom.	
38.	13.0	Feb. 17	110	0	Top of well tee	20		74¼	Aban.	Found flowing
39.	17.4	Feb. 17	102	0	Top of well tee	60			Dom.	Reported yield when drilled
40.	23.2	Feb. 20	102	0	Top of well tee	75			Dom.	Reported yield when drilled
41.	20.4	Feb. 17	105	0	Top of well tee	66			Dom.	Reported yield when drilled
42.	+					30			Dom.	Reported yield
42a.	+		103	0	Surface at well head				Dom.	Landed 4 in. casing at 426 ft. Reported by driller
43.	24.6	Feb. 10	97	−3	Top of well tee	49		70	P. S.	Cary well, Water Supply Paper 576, p. 420
44.	23.4	Feb. 10	102	0.5	Top of well tee	42		77	P. S.	Finished with 2 screens
45.	33.2	Feb. 10	103	1	Top of well tee	180		82	P. S.	Issaquena well, Water Supply Paper 576, p. 419
46.	32.4	Feb. 10	101	3.7	Top of well tee			77	Dom.	H. A. Darden well, Water Sup. Paper 576, p. 419. Rep. yield when drilled, 15 g.p.m. Static water level 40 ft. above surf. of land
47.	27.8	Feb. 9	98	3	Top of well cross			78	Dom.	
48.	33.5	Feb. 9	103	3	Center of pressure gage on well	300		84½	Ind.	Yield reported
49.	39.4	Feb. 9	95	0	Top of well tee	45		84	Dom.	
50.	46.5	Feb. 9	92	1.5	Top of 3 in. reducer				Dom.	

TABLE 22—RECORD OF WATER WELLS IN SUNFLOWER COUNTY

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
1.	SW.1/4, NE.1/4, Sec.1, T.24 N., R. 4 W.	J. E. Oliver	C. M. Journey	1938	2	1363	1363	1320	40	121	Sand	Meridian
2.	SE.1/4, NW.1/4, Sec.2, T.24 N., R. 4 W.	J. C. McCoy	T. B. Minyard	1924	3.2	1331	1211	.....	184	.....	Sand	Meridian
3.	SE.1/4, NE.1/4, Sec.3, T.24 N., R. 4 W.	J. D. McCoy	C. M. Journey	1938	2	1491	1491	1387	60	218	Fine Sand	Meridian
4.	NE.1/4, SW.1/4, Sec.8, T.24 N., R. 3 W.	State Prison			4	.....	.....	.....	.....	.....	.....	
5.	NE.1/4, SW.1/4, Sec.11, T.24 N., R. 3 W.	A. J. Hill	T. B. Minyard	1924	2½	1020	.....	.....	.....	96	Hard brown & white sand	Meridian & Basic City
6.	SE.1/4, SW.1/4, Sec.13, T.24 N., R. 3 W.	Thomas Edmonston		1919	3	1200(?)	.....	.....	.....	.....	.....	
7.	SE.1/4, SE.1/4, Sec.15, T.24 N., R. 3 W.	J. N. Boyd			3	1013	.....	.....	.....	11	Sand	Basic City
8.	NW.1/4, SW.1/4, Sec.23, T.24 N., R. 4 W.	State Prison			3	.....	.....	.....	.....	.....	.....	
9.	NE.1/4, SW.1/4, Sec.27, T.24 N., R. 3 W.	State Prison	Layne-Central		4	.....	.....	.....	.....	.....	.....	Meridian
10.	NW.1/4, SW.1/4, Sec.27, T.24 N., R. 3 W.	State Prison	Joe Theders		3	1100	.....	.....	.....	.....	.....	
11.	NW.1/4, SW.1/4, Sec.27, T.24 N., R. 3 W.	State Prison	C. M. Journey	1931	4	1284	1284	1224	60	45	Sand	Meridian
12.	SW.1/4, NW.1/4, Sec.28, T.24 N., R. 3 W.	State Prison		.....	.....	1100(?)	.....	.....	.....	.....	.....	
13.	NW.1/4, SW.1/4, Sec.28, T.24 N., R. 3 W.	State Prison	C. M. Journey	1931	4	1317	1317	1257	60	45	Sand	Meridian
14.	NW.1/4, SW.1/4, Sec.28, T.24 N., R. 3 W.	State Prison			4	1100	.....	.....	.....	.....	Sand	Basic City & Meridian
15.	SE.1/4, SE.1/4, Sec.25, T.24 N., R. 4 W.	State Prison			4	.....	.....	.....	.....	.....	.....	
16.	SW.1/4, SE.1/4, Sec.26, T.24 N., R. 4 W.	State Prison	T. B. Minyard		4	1085	1051(?)	.....	.....	60	Sand	Basic City
17.	SE.1/4, SW.1/4, Sec.36, T.24 N., R. 4 W.	State Prison			4	.....	.....	.....	.....	.....	.....	
18.	SW.1/4, NE.1/4, Sec.1, T.23 N., R. 3 W.	H. S. Bickett	T. B. Minyard	1936	2	975	975	807	63	.....	Sand	Basic City & Meridian
19.	NW.1/4, SW.1/4, Sec.9, T.23 N., R. 3 W.	Goldfield	T. B. Minyard	1917	3.2	1044	1044	.....	9	41	Sand	Meridian
20.	SE.1/4, NE.1/4, Sec.16, T.23 N., R. 4 W.	W. P. Brown	T. B. Minyard	1924	2	1283	1283	1115	168	25	Sand	Basic City & Meridian
21.	SW.1/4, NW.1/4, Sec.23, T.23 N., R. 4 W.	Mrs. R. O. Smith	T. B. Minyard	1940	2	1041	1041	.....	.....	13	Sand	Basic City

TABLE 22—RECORD OF WATER WELLS IN SUNFLOWER COUNTY—(Continued)

	Water Level		Measuring point			Yield	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
1.	24.7	June 12, 1939	150	0.5	Top of well tee	50			Dom.	Reported yield when drilled
2.						65				Reported yield when drilled
3.						34			Dom.	Reported yield when drilled
4.	4.6	June 13	150	4	Top of 4 in. casing			73½	Prison	
5.	14.0	June 12	148	1.5	Top of well tee	42½		73	Dom.	Reported yield when drilled, 60 g.p.m.
6.	7.5	June 12	145	1	Top of lower well tee			70	Dom.	Reported yield when drilled, 50 g.p.m.
7.	9	June 12	149	2	Top of well tee				Dom.	Static water level, 27.6 feet above the surface of the land
8.	13.0	June 13	148	2.5	Top of well tee		40(app.)	70	Prison	
9.	18.1	June 10	145	0.5	Top of well tee	160		78	Prison	
10.	+					40			Prison	
11.	17.95	June 13	145	0	Top of well tee	125		78¼	Prison	Reported yield when drilled
12.	+					4			Prison	
13.	17.25	June 13	145	2	Top of well elbow	125	50(app.)	79	Prison	Reported yield when drilled
14.	14.0	June 13	145	0	Top of well casing			75¾	Prison	
15.	10.75	June 13	148	1	Top of well tee		50(app.)	74	Prison	
16.	10.35	June 13	147	1.5	Top of well tee			73	Prison	
17.	14.55	June 13	147	2	Top of well cross		60(app.)		Prison	
18.			142							Reported yield when drilled 35 g.p.m. Static water level, 30 feet above the surface of the land
19.	46.00	1917	140			65			Dom.	Reported yield & static level when drilled
20.			144		Surface of land				Dom.	Reported yield when drilled, 52 g.p.m.
21.	25.0	1940	143		Surface of land	72			Dom.	Static level of water and yield reported

TABLE 22—RECORD OF WATER WELLS IN SUNFLOWER COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
22.	NW.1/4, SW.1/4, Sec.23, T.23 N., R. 4 W.	Mrs. Ricketts	T. B. Minyard	.....	.....	1219	1219	1105	50.5	36	Sand	Basic City
23.	SE.1/4, SE.1/4, Sec.29, T.23 N., R. 3 W.	McLemore Estate	T. B. Minyard	.....	.....	966	.....	.....	.....	19	Sand	
24.	NW.1/4, SW.1/4, Sec.32, T.23 N., R. 4 W.	Sunflower Plantation	C. M. Journey	1936(?)	2	1385	1385	1325	60	44	Sand	Meridian
25.	NW.1/4, SW.1/4, Sec.32, T.23 N., R. 4 W.	Sunflower Plantation		1904	2	960	.....	.....	.....	.....	Sand	Winona
26.	SE.1/4, SE.1/4, Sec.34, T.23 N., R. 4 W.	Herman Dixon		1925	3	1150	.....	.....	.....	.....	.....	Basic City
27.	SW.1/4, NE.1/4, Sec.36, T.22 N., R. 4 W.	Mr. Yerger	T. B. Minyard	1922	3	1027	.....	.....	.....	26	Sand	Easic City
28.	NE.1/4, SW.1/4, Sec.31, T.23 N., R. 3 W.	Mr. Yerger	T. B. Minyard	1922	.....	1027	.....	.....	.....	.....	Sand	Basic City
29.	SE.1/4, SW.1/4, Sec.1, T.22 N., R. 3 W.	P. H. Brooks & Co.	C. M. Journey	1939	2	1118	1118	1037	40	.....	Sand	Meridian(?)
30.	NW.1/4, NE.1/4, Sec.5, T.22 N., R. 3 W.	Town of Drew	T. B. Minyard	1926	6.4	1428	1428	.....	150+	91	Sand	Meridian & Basic City
31.	NW.1/4, NE.1/4, Sec.5, T.22 N., R. 3 W.	Town of Drew	T. B. Minyard	1929	6.4	1362	1362	.....	60	91	Sand	Basic City & Meridian(?)
32.	NW.1/4, SE.1/4, Sec.5, T.22 N., R. 3 W.	Federal Compress	T. B. Minyard	1933	.....	1093.5	1060	917	40	40	Coarse sand	Basic City
33.	NE.1/4, SW.1/4, Sec.1, T.22 N., R. 4 W.	Mrs. Greenlee	T. B. Minyard	1935	2	1292	1292	.....	63	29	Sand	Basic City
34.	SE.1/4, SW.1/4, Sec.2, T.22 N., R. 4 W.	Wilson Banking Co.		.....	4	.....	.....	.....	.....	.....	.....	
35.	NE.1/4, NE.1/4, Sec.15, T.22 N., R. 4 W.	J. W. Jennings et al	T. B. Minyard	1934	2	1232	1232	1129	62	9	Sand	Basic City
36.	NE.1/4, SE.1/4, Sec.2, T.22 N., R. 5 W.	Earl Smith	T. B. Minyard	.....	2	1314	1314	1191	82	30	Brownish gray sand	Basic City
37.	NW.1/4, SE.1/4, Sec.25, T.22 N., R. 4 W.	J. R. Buckley	T. B. Minyard	1934	2	1286	1280	1199	41	19	Sand	Basic City
38.	SW.1/4, NE.1/4, Sec.30, T.22 N., R. 4 W.	J. W. Buckley	T. B. Minyard	1935	3.2	1314	1314	1142	90	24	Sand	Basic City
39.	SW.1/4, NE.1/4, Sec.32, T.22 N., R. 4 W.	J. R. Dockery		.....	3	960	.....	.....	.....	.....	.....	Winona
40.	SW.1/4, NE.1/4, Sec.32, T.22 N., R. 4 W.	J. R. Dockery	T. B. Minyard	.....	4	1200	.....	.....	.....	.....	Sand	Basic City
41.	NW.1/4, SE.1/4, Sec.33, T.22 N., R. 4 W.	J. R. Dockery		.....	....	961	.....	.....	.....	.....	.....	Winona
42.	NW.1/4, SE.1/4, Sec.33, T.22 N., R. 4 W.	J. R. Dockery	T. B. Minyard	1925	3	1294	1294	.....	.....	58	Sand	Meridian

TABLE 22—RECORD OF WATER WELLS IN SUNFLOWER COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.) Flow	Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
22.	.....	.....	144	.....	Surface of land.....	.....	.....	.....	Dom.....	Reported yield when drilled, 40 g.p.m. Static water level was 29 feet above surface of land
23.	.....	.....	137	.....	Surface of land.....	.....	.....	.....	Dom.....	
24.	33.2	June 10, 1939	137	1.3	Top of well tee.....	.....	.....	.....	Dom.....	
25.	6.7	June 10	143	2.5	Top of well tee.....	5	.....	70	Dom.....	Well No. 6, Water Supply Paper 576, p. 434
26.	+	.....	139	.....	.....	.....	.....	.....	Dom.....	
27.	.....	.....	139	.....	Surface of land.....	.....	.....	.....	Dom.....	Found flowing
28.	.....	.....	138	.....	Surface of land.....	.....	.....	.....	Dom.....	
29.	.....	.....	135	.....	.....	.....	.....	.....	Dom.....	
30.	31.4	June 12	139	0	Top of well elbow.....	340	.....	79	P. S.....	Found flowing 111 g.p.m. into surface reservoir
31.	2.9	Oct. 1938	141	2.5	Top of 4 in. discharge pipe	160	640	.....	P. S.....	Static level of water and yield reported
32.	.....	.....	139	.....	Surface of land.....	.....	.....	74	Ind.....	Reported yield when drilled, 38 g.p.m.
33.	.....	.....	137	.....	Surface of land.....	.....	.....	.....	Dom.....	
34.	5.75	June 10, 1939	143	4	Top of 1¼ in. tee.....	.....	.....	.....	Dom.....	
35.	7.2	June 10	138	1.5	Top of 3 in. casing.....	.....	7(app.)	.....	Dom.....	
36.	.....	.....	139	.....	Surface of land.....	.....	.....	.....	Dom.....	Reported yield when drilled, 35 g.p.m.
37.	24	Sept. 1934	135	.....	Surface of land.....	24	.....	74	Dom.....	Static level of water and yield reported when drilled
38.	+	.....	135	.....	Surface of land.....	.....	.....	74	Dom.....	Reported yield when drilled, 45 g.p.m. Static level, 24 ft. above land surface
39.	+	.....	.....	.....	....	1	.....	70	Dom.....	Well No. 2, Water Sup. Paper 576, p. 434
40.	15.5	June 5, 1939	137	1.2	Top of well tee.....	.....	.....	76	Dom.....	Casing diam. is probably reduced at depth
41.	3(app.)	June 5	134	0	Casing at base of tank	3	.....	.....	Dom.....	Reported to flow only part of each year. Probably Well No. 1, Water Sup. Paper 576, p. 434
42.	23.0	June 5	134	0	Top of well tee.....	.....	.....	.....	Dom.....	Yield when drilled, 110 g.p.m. Static level 35 feet above surface of land

TABLE 22—RECORD OF WATER WELLS IN SUNFLOWER COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
43.	SE.1/4, SE.1/4, Sec.34, T.22 N., R. 4 W.	Mr. Livingston	T. B. Minyard	.....	2	1188	1188	.....	.....	28	Sand	Basic City
44.	SW.1/4, SW.1/4, Sec.36, T.22 N., R. 4 W.	C. W. McBee	T. B. Minyard	1909	2	940	.....	.....	.....	.....	Sand	Winona
45.	SW.1/4, SW.1/4, Sec.36, T.22 N., R. 4 W.	Ira Marshall	T. B. Minyard	1936	3	1114	1114	.....	.....	26	Sand	Basic City
46.	SW.1/4, SW.1/4, Sec.31, T.22 N., R. 3 W.	Town of Ruleville	Layne-Bowler	1917	4	1484	.....	.....	.....	.....	Sand	Meridian
47.	SW.1/4, SW.1/4, Sec.31, T.22 N., R. 3 W.	Mrs. Henry Hart		.....	3	.....	.....	.....	.....	.....	.....	
48.	SE.1/4, SW.1/4, Sec.31, T.22 N., R. 3 W.	Ruleville School	T. B. Minyard	1914	5	.....	.....	.....	.....	.....	.....	
49.	SE.1/4, SE.1/4, Sec.31, T.22 N., R. 3 W.	Dunaway	T. B. Minyard	.....	2	1176	1176	1056	60	36	Sand	Basic City
51.	SE.1/4, SE.1/4, Sec.5, T.21 N., R. 4 W.	C. A. Lusk	T. B. Minyard	1938	3	1289	.....	.....	.....	21	Sand	Basic City
52.	NW.1/4, SE.1/4, Sec.5, T.21 N., R. 4 W.	Henry Hart	T. B. Minyard	.....	2	1055	.....	.....	.....	.....	Sand	Winona
53.	SW.1/4, NW.1/4, Sec.5, T.21 N., R. 4 W.	F. H. Ringold	T. B. Minyard	1919	3	1140	.....	.....	.....	22	Sand	Winona
54.	NE.1/4, SE.1/4, Sec.20, T.21 N., R. 3 W.	Doddsville Ld. & Mer. Co...		.....	2½	1000(?)	.....	.....	.....	.....	.....	Winona(?)
55.	SW.1/4, SE.1/4, Sec.16, T.21 N., R. 4 W.	County School	T. B. Minyard	1922	3(?)	1051	.....	.....	.....	.....	Sand	Winona & Basic City
56.	SE.1/4, SW.1/4, Sec.15, T.21 N., R. 4 W.	Henry Hart	T. B. Minyard	1916	2	1065	1060	.....	.....	22	Sand	Winona & Basic City
57.	SW.1/4, NE.1/4, Sec.29, T.21 N., R. 3 W.	Doddsville Ld. & Mer. Co...		1900	2	820	.....	.....	.....	.....	Sand	Winona
58.	NE.1/4, SE.1/4, Sec.29, T.21 N., R. 3 W.	E. L. Coleman and others	T. B. Minyard	1909	4	990	.....	.....	.....	.....	Sand	Winona & Basic City
59.	NE.1/4, SE.1/4, Sec.29, T.21 N., R. 3 W.	Mr. Thorson	T. B. Minyard	.....	.....	1005	.....	.....	.....	.....	Sand	Winona
60.	NW.1/4, SW.1/4, Sec.28, T.21 N., R. 3W.	E. L. Coleman and others	T. B. Minyard	1925	2	1180	.....	.....	1147(?)	30	Sand	Basic City
61.	SE.1/4, NE.1/4, Sec.28, T.21 N., R. 3 W.	Dr. Coleman	T. B. Minyard	.....	.....	888	.....	.....	.....	100	Sand	Winona
62.	SE.1/4, NW.1/4, Sec.34, T.21 N., R. 3 W.	E. L. Coleman	T. B. Minyard	1914	3	980	.....	.....	.....	.....	Sand	Winona
63.	SE.1/4, NE.1/4, Sec.25, T.21 N., R. 4 W.	R. D. McLean		.....	3	.....	.....	.....	.....	.....	.....	
64.	NW.1/4, SW.1/4, Sec.21, T.21 N., R. 4 W.	W. D. Wallace	T. B. Minyard	1908	4	1250	.....	1100	.....	.....	Sand	Winona

TABLE 22—RECORD OF WATER WELLS IN SUNFLOWER COUNTY—(Continued)

	Water Level		Measuring point							
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description	Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
43.	.....	.....	135	.....	Surface of land.....	.....	.....	.....	Dom.....	Reported yield when drilled, 60 g.p.m.
44.	8.8	June 5	139	2	Top of upper well valve	21½	.....	.....	Dom.....	Well No. 20, Water Sup. Paper 576, p. 434
45.	.....	.....	138	.....	Surface of land.....	.....	.....	.....	Dom.....	Yield reported when drilled, 95 g.p.m.
46.	22.8	June 10	141	1.9	Top of well elbow.....	.....	.....	79	P. S.....	Found flowing 255 g.p.m.
47.	7.0	June 11	129	1	Top of well tee.....	7½	.....	78	Dom.....	Casing diameter may be reduced at depth
48.	16.65	June 11	135	1.5	Top of well tee.....	.....	.....	.....	School.....	Casing diameter is probably reduced at depth
49.	.....	.....	138	.....	Surface of land.....	.....	.....	.....	Dom.....	Reported yield when drilled, 40 g.p.m.
51.	22.5	June 19	136	1.5	Top of well tee.....	60	.....	77	Dom	Static water level, 24 feet above surface of the land Reported yield when drilled
52.	.....	.....	134	.....	Surface of land.....	.....	.....	.....	Dom.....	Reported yield when drilled, 60 g.p.m Static level, 50 ft. above surface of land
53.	17.6	June 19	133	1.5	Top of upper well tee	.....	.....	.....	Dom.....	Reported yield when drilled, 70 g.p.m.
54.	9.2	June 20	127	2	Top of well tee.....	.....	.....	.....	Dom.....	
55.	16.2	June 17	136	2	Top of well elbow.....	.....	.....	.....	School.....	Reported yield when drilled, 63 g.p.m. Static level, 27 ft. above land surface
56.	13.8	June 19	133	0.7	Top of well elbow.....	.....	.....	71	Dom.....	Reported yield when drilled, 50 g.p.m.
57.	4.7	June 20	129	3	Top of well elbow.....	.....	7(app.)	.....	Dom.....	Well No. 4, Water Sup. Paper 576, p. 434
58.	8.8	June 20	129	1.5	Top of 1½ in. well tee	.....	.....	.....	Dom.....	Casing diameter is probably reduced at depth
59.	.....	.....	128	.....	Surface of land.....	.....	.....	.....	.....	
60.	28.75	June 20	128	0.5	Top of well elbow.....	.....	.....	.....	P. S.....	Reported static level of water when drilled, 45 feet
61.	.....	.....	125	.....	Surface of land.....	.....	.....	.....	Dom.....	
62.	10.7	June 20	127	3	Top of well tee.....	.....	.....	.....	Dom.....	
63.	9.55	June 19	129	1	Top of well tee.....	.....	.....	.....	Dom.....	
64.	+	.....	135	.....	.....	.....	.....	.....	Dom.....	Casing diameter is probably reduced at depth

TABLE 22—RECORD OF WATER WELLS IN SUNFLOWER COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
65.	SE.1/4, NE.1/4, Sec.36, T.21 N., R. 4 W.	R. D. McLean		.....	2	80	.....	.....	4	.....	Sand & gravel	Alluvium
66.	SW.1/4, SW.1/4, Sec.3, T.20 N., R. 3 W.	E. A. Dailey Estate	Mr. Hannah	1904	4	.....	.....	.....	8	.....	.....	Winona(?)
67.	NE.1/4, SE.1/4, Sec.5, T.20 N., R. 5 W.	J. W. Weilenman	T. B. Minyard	1924	2	1445	1445	.....	.....	58	Sand	Basic City
68.	NW.1/4, NW.1/4, Sec.16, T.20 N., R. 3 W.	A. E. Dickerson and others		.....	3	1050	.....	.....	.....	.....	Sand	Winona & Basic City
69.	NW.1/4, NW.1/4, Sec.23, T.20 N., R. 3 W.	P. G. Fisackerly	T. B. Minyard	1926	2½	936	.....	.....	.....	.....	Sand	Winona
70.	SE.1/4, NE.1/4, Sec.23, T.20 N., R. 3 W.	B. L. Dodd	T. B. Minyard	1940	2	1064	1047	947	100	.....	Sand	Basic City
71.	SW.1/4, NW.1/4, Sec.20, T.20 N., R. 3 W.	B. E. Kelly	T. B. Minyard	.....	2	1017	1010	.....	120	.....	Sand	Winona
72.	SE.1/4, SE.1/4, Sec.27, T.20 N., R. 3 W.	J. A. Bennett	T. B. Minyard	1938	2	1066	1066	985	81	18	Sand	Basic City
73.	NW.1/4, NE.1/4, Sec.34, T.20 N., R. 3 W.	Noel Morgan	T. B. Minyard	1939	2	1043	.....	.....	81	26	Sand	Basic City
74.	NW.1/4, NW.1/4, Sec.33, T.20 N., R. 3 W.	A. G. Sledge	T. B. Minyard	1914	2	942	942	804	140	25	Sand	Winona
75.	SE.1/4, SE.1/4, Sec.25, T.20 N., R. 5 W.	E. E. Britt	Kenneth Journey	1941	2	1380	1380	1280	100	62	Sand	Basic City
76.	SE.1/4, SE.1/4, Sec.26, T.20 N., R. 4 W.	Lee Fox	T. B. Minyard	1916	3	985	.....	.....	.....	.....	Sand	Kosciusko
76a.	SW.1/4, NW.1/4, Sec.32, T.20 N., R. 4 W.	A. Boyer Co.	T. B. Minyard	1918–34	1¼	1337	1320	1247	73	2	Sand	Basic City
77.	SW.1/4, NW.1/4, Sec.5, T.19 N., R. 3 W.	Mrs. K. W. Butler		1898	3	1085(?)	.....	.....	.....	.....	Sand	Winona(?)
78.	SW.1/4, NW.1/4, Sec.5, T.19 N., R. 3 W.	A. G. Sledge	T. B. Minyard	1914	3	985	.....	.....	60	.....	Sand	Basic City
79.	SW.1/4, NW.1/4, Sec.5, T.19 N., R. 3 W.	Town of Sunflower	C. M. Journey	1936	4	1268	1267	1146	88	75	Gray sand & shale	Basic City
80.	SW.1/4, NW.1/4, Sec.12, T.19 N., R. 3 W.	Mr. Pitman	T. B. Minyard	1935	2	1006	1006	.....	78	31	Sand	Basic City
81.	NW.1/4, SE.1/4, Sec.17, T.19 N., R. 3 W.	Ellis Clark	T. B. Minyard	.....	2	979	979	.....	.....	20	Sand	Basic City
82.	NW.1/4, SW.1/4, Sec.17, T.19 N., R. 4 W.	Faison Smith	T. B. Minyard	.....	2	1321	1310	.....	.....	.....	Sand	Basic City
83.	NW.1/4, SE.1/4, Sec.14, T.19 N., R. 4 W.	Mr. Wheeler	T. B. Minyard	1937	.....	1209	.....	.....	.....	33	Sand	Basic City
84.	NE.1/4, SE.14, Sec.27, T.19 N., R. 4 W.	J. C. Allen	Delta Drilling Co.	1940	2	1380	1380	.....	80	77	Hard sand	Basic City

TABLE 22—RECORD OF WATER WELLS IN SUNFLOWER COUNTY—(Continued)

	Water Level		Measuring point							
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description	Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
65.	−20(app.)	March	125	.....	Top of well casing	.....	125	.....	Ins.	Static water level and yield reported
66.	12.6	June 17	124	1	Top of well cross	.....	.....	70	Dom.	Casing diameter may be reduced at depth
67.	31.5	May 17	133	0	Top of well tee	.....	.....	77½	Dom.	Found flowing 5 g.p.m. Yield when drilled, 66 g.p.m. Static level, 50 feet above land surface
68.	9.0	June 17	126	1	Top of well tee	.....	.....	72	P. S.	
69.	18.25	June 17	121	1	Top of well tee	.....	.....	72	Dom.	
70.	36	Oct. 5, 1940	118	.....	.....	35	.....	.....	Dom.	Static water level and yield reported
71.	+	.....	.....	.....	.....	.....	.....	.....	Dom.	Reported yield when drilled, 60 g.p.m.
72.	33(app.)	June 17, 1939	119	0	Top of well tee	.....	.....	.....	Dom.	Static level of water reported
73.	33.2	June 17	120	1.5	Top of well tee	.....	.....	.....	Dom.	Water sand underlies rock 12 ft. thick
74.	+	.....	120	.....	Surface of land	.....	.....	.....	Dom.	Well head buried
75.	.....	.....	.....	.....	.....	90	.....	.....	Dom.	Yield reported when drilled
76.	28.75	June 17	121	1	Top of well cross	.....	.....	74½	Dom.	Reported static level of water when drilled, 35 ft.
76a.	28.45	June 17	125	2	Top of well tee	.....	.....	78	Dom.	Completed with perforated pipe. Deepened in 1934
77.	.....	.....	.....	.....	.....	.....	.....	74	Dom.	Probably Well No. 22, Water Sup. Paper 576, p. 434
78.	19.8	June 17	120	0	Top of well elbow	.....	.....	.....	Dom.	
79.	26.5	June 17	121	.....	Top of well elbow	110	.....	76	P. S.	Found flowing. Completed with 4 joints of perforated pipe
80.	+	.....	116	.....	Surface of land	.....	.....	.....	Dom.	
81.	+	.....	117	.....	Surface of land	.....	.....	.....	Dom.	Reported yield when drilled, 70 g.p.m.
82.	+	.....	122	.....	Surface of land	.....	.....	.....	Dom.	Reported yield when drilled, 90 g.p.m.
83.	+	.....	113	.....	Surface of land	.....	.....	.....	Dom.	
84.	40(app.)	Dec. 24, 1940	123	0	Level of land at well head	60	.....	.....	Dom.	3 in. casing landed at 910 feet. Reported by driller

TABLE 22—RECORD OF WATER WELLS IN SUNFLOWER COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
85.	NE.1/4, SW.1/4, Sec.1, T.18 N., R. 3 W.	Mr. Thoreson	T. B. Minyard	.....	4½	895	895	.....	.....	28	Sand	Basic City
86.	NW.1/4, SW.1/4, Sec.3, T.18 N., R. 3 W.	Southern U. Ice Co.	Owner	.....	2½	80	.....	75	5	.....	Sand & gravel	Alluvium
87.	NW.1/4, SW.1/4, Sec.3, T.18 N., R. 3 W.	W. T. Hull		.....	3	900	.....	.....	.....	.....	.....	Winona(?)
88.	SE.1/4, SE.1/4, Sec.4, T.18 N., R. 3 W.	C. H. Pond Estate		.....	3	1048	.....	.....	.....	.....	.....	Winona(?)
89.	SE.1/4, NE.1/4, Sec.4, T.18 N., R. 3 W.	Town of Moorhead	T. B. Minyard	1906	6	1100	.....	.....	.....	.....	Sand	Basic City
90.	NE.1/4, NE.1/4, Sec.9, T.18 N., R. 3 W.	Town of Moorhead	T. B. Minyard	1917	4	1640	1640	1610(?)	30	.....	Sand	Meridian
91.	NE.1/4, NE.1/4, Sec.8, T.18 N., R. 3 W.	Mr. Lewis	T. B. Minyard(?)	.....	2½	.....	.....	.....	.....	.....	.....	Meridian(?)
92.	SE.1/4, NW.1/4, Sec.36, T.19 N., R. 4 W.	W. S. Webster	T. B. Minyard	.....	2½	1200	.....	.....	.....	.....	Sand	Basic City
93.	NE.1/4, SE.1/4, Sec.31, T.19 N., R. 4 W.	Town of Indianola		1904	4	1320	.....	.....	35	.....	Sand	Basic City
94.	NE.1/4, SE.1/4, Sec.31, T.19 N., R. 4 W.	Town of Indianola		.....	2½	1240	.....	.....	.....	.....	Sand	Winona
95.	NE.1/4, SE.1/4, Sec.31, T.19 N., R. 4 W.	Town of Indianola		1915	4½	1500(?)	.....	.....	35	.....	.....	Basic City(?)
96.	NE.1/4, SW.1/4, Sec.31, T.19 N., R. 4 W.	Town of Indianola	T. B. Minyard	1925	6.4	1760	1760(?)	1456	60+	90	Sand	Meridian & Basic City
97.	NE.1/4, NW.1/4, Sec.6, T.18 N., R. 5 W.	Wm. Robertson	T. B. Minyard	1920	4½	1606	1570	1510	60	43	Sand	Basic City
98.	SW.1/4, NE.1/4, Sec.4, T.18 N., R. 5 W.	Robertshaw Company	T. B. Minyard	1917	8	1431	1419(?)	1291	100	18	Sand	Basic City & Winona
99.	NW.1/4, SW.1/4, Sec.5, T.18 N., R. 3 W.	County Farm	T. B. Minyard	.....	4½	1110	.....	.....	.....	26	Sand	Basic City
99a.	SE.1/4, NE.1/4, Sec.13, T.18 N., R. 3 W.	H. W. Smith	T. B. Minyard	1918	2	800(?)	.....	.....	.....	.....	Sand	
100.	NE.1/4, SW.1/4, Sec.11, T.18 N., R. 4 W.	James Baird and others	T. B. Minyard	1912	3	1308	.....	.....	.....	.....	Sand	Basic City
101.	NW.1/4, NE.1/4, Sec.12, T.18 N., R. 5 W.	W. B. Fletcher	R. H. Ray	1925	2	1429	1429	.....	.....	48	Sand	Basic City
101a.	NW.1/4, SW.1/4, Sec.7, T.18 N., R. 5 W.	Ed Holmes	T. B. Minyard	.....	.....	1714	1714(?)	1574	160	16	Sand	Basic City
102.	NW.1/4, SW.1/4, Sec.30, T.18 N., R. 3 W.	J. C. Allen	T. B. Minyard	1910	2	1397	.....	.....	84	41	Sand	Basic City
103.	SE.1/4, NW.1/4, Sec.21, T.18 N., R. 4 W.	James Baird	T. B. Minyard	1912	2	1310	1310	.....	.....	.....	Sand	Basic City

TABLE 22—RECORD OF WATER WELLS IN SUNFLOWER COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.) Flow	Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
85.	+	.....	112	.....	Surface of land.....	.....	.....	.....	Dom.....	Reported 50 g.p.m. when drilled
86.	−	.....	.....	.....	.....	.....	20(app.)	65½	Ind.....	A field of five wells are pumped 100 g.p.m.
87.	+	.....	.....	.....	.....	.....	.....	.....	.....	Well No. 16, Water Sup. Paper 576, p. 434
88.	.....	.....	.....	.....	.....	.....	.....	.....	Aban.....	Found capped
89.	7.5	June 6, 1939	116	1	Top of well tee.....	3½	.....	72	Aban.....	Found flowing
90.	28.3	June 6	113	0	Top of well elbow.....	200	.....	.....	P. S.....	Found flowing
91.	29.9	June 7	116	1.3	Top of well elbow.....	.....	.....	.....	Dom.....	
92.	32.8	June 16	120	2	Top of upper well plug	.....	.....	75	Dom.....	Found flowing about 5 g.p.m.
93.	+	.....	121	.....	Surface of land.....	.....	.....	.....	P. S.....	Found flowing into surface reservoir. Well No. 9, Water Sup. Paper 576, p. 434
94.	.....	.....	.....	.....	.....	5	.....	74¼	P. S.....	Probably Well No. 8, Water Sup. Paper 576, p. 434
95.	27.5	June 9	121	4	Top of cast iron tee flange	130	.....	83	P. S.....	Well No. 10, Water Supply Paper 576, p. 434. Flows open into surface reservoir
96.	70.45	June 9	117(app.)	3	Top of ¾ in. elbow W. wall of pump house....	353	.....	88½	P. S.....	
97.	29.3	May 15	122	0.7	Top of 6 in. casing.....	.....	.....	.....	P. S.....	Reported yield when drilled, 80 g.p.m.
98.	34.5	June 16	121	2.5	Top of 3 in. well tee	.....	.....	81	Dom.....	Static level of water reported when drilled. 40 ft. above land surface
99.	33.6	June 7	117	2.5	Top of well elbow.....	.....	.....	.....	Dom.....	Reported yield when drilled, 90 g.p.m.
99a.	30.55	June 7	117	1	Top of well tee.....	36	.....	74	Dom.....	
100.	+	.....	.....	.....	.....	.....	.....	.....	P. S.....	Several small automatic pumps connected to well
101.	.....	.....	122	.....	Surface of land.....	.....	.....	.....	Dom.....	Reported yield when drilled, 79 g.p.m. Static level, 55 ft. above surface of land
101a.	.....	.....	122	.....	Surface of land.....	.....	.....	.....	Dom.....	Reported yield when drilled, 90 g.p.m.
102.	16.2	June 7	116	1.3	Top of well tee.....	.....	.....	75	Dom.....	
103.	15.95	June 16	117	2	Top of well elbow.....	.....	.....	74	Dom.....	

TABLE 22—RECORD OF WATER WELLS IN SUNFLOWER COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
104.	SE.1/4, SW.1/4, Sec.22, T.18 N., R. 5 W.	Mrs. J. F. Craig		.....	8	1500(?)	.....	.....	.....	.....	.....	Basic City(?)
105.	SE.1/4, SW.1/4, Sec.27, T.18 N., R. 5 W.	Percy Ray	T. B. Minyard	1914	4	1520	.....	.....	.....	.....	Sand	Basic City
106.	SW.1/4, NE.1/4, Sec.29, T.18 N., R. 4 W.	Albert Reed		.....	3	1200	.....	.....	.....	.....	Sand	Basic City
107.	NW.1/4, NE.1/4, Sec.28, T.18 N., R. 4 W.	George Baird	T. B. Minyard	1912	3	1200	.....	.....	.....	.....	Sand	Basic City
108.	NW.1/4, NW.1/4, Sec.34, T.18 N., R. 3 W.	William M. Duncan	T. B. Minyard	1915	.....	900(?)	.....	.....	.....	.....	.....	Winona(?)
109.	SW.1/4, NW.1/4, Sec.1, T.17 N., R. 3 W.	Joe Prichard	T. B. Minyard	1924	2	1079	1070	935	120	21	Sand	Winona
110.	SE.1/4, NE.1/4, Sec.3, T.17 N., R. 3 W.	R. W. Wright	T. B. Minyard	1929	2	1188	.....	.....	.....	.....	Sand	Basic City & Winona
111.	SW.1/4, NW.1/4, Sec.3, T.17 N., R. 3 W.	Miss Jennie Stevens	T. B. Minyard	1922	2	1092	1092	998	80	.....	Sand	Winona
112.	SW.1/4, NW.1/4, Sec.4, T.17 N., R. 3 W.	A. J. Ward	T. B. Minyard	1929	2	1238	1238	.....	.....	20	Sand	Basic City
113.	NW.1/4, SE.1/4, Sec.4, T.17 N., R. 4 W.	Joe Lee	T. B. Minyard	1936	3	1499(?)	1481	1253	100	20	Sand	Basic City
114.	SE.1/4, NE.1/4, Sec.3, T.17 N., R. 4 W.	Town of Inverness		1909	3	1250	.....	.....	.....	.....	Sand	Winona
115.	NE.1/4, SE.1/4, Sec.3, T.17 N., R. 4 W.	Town of Inverness	Gray Artesian Well Co.	1936	6	1749	1708	1648	60	64	Sand	Meridian
116.	SE.1/4, NE.1/4, Sec.3, T.17 N., R. 4 W.	Delta Gin Co.		1911	2	1312	1312	.....	.....	.....	Sand	Winona
117.	NE.1/4, SE.1/4, Sec.3, T.17 N., R. 4 W.	Town of Inverness	Gray Artesian Well Co.	1920	4	1303	.....	.....	.....	.....	Sand	Winona
118.	NW.1/4, SE.1/4, Sec.1, T.17 N., R. 4 W.	H. B. Tolar	T. B. Minyard	1915	2	1265	1265	.....	40	.....	Sand	Winona
119.	SE.1/4, NE.1/4, Sec.10, T.17 N., R. 4 W.	D. Lester	T. B. Minyard	1916	3.2	1379	1378	.....	.....	21	Sand	Basic City
120.	NW.1/4, NE.1/4, Sec.13, T.17 N., R. 5 W.	James Price	T. B. Minyard	1936	2	1475	1475	1331	20	14	Sand	Winona
121.	SW.1/4, NW.1/4, Sec.22, T.17 N., R. 5 W.	L. N. Dantzler	T. B. Minyard	1939	3.2	1784	1783	1713	70	33	Sand	Meridian
122.	SW.1/4, NW.1/4, Sec.26, T.17 N., R. 4 W.	J. W. Jones		1911	2	1282	1282	.....	.....	.....	Sand	Winona
123.	SW.1/4, NW.1/4, Sec.35, T.17 N., R. 4 W.	J. D. Wilson	T. B. Minyard	1938	2	1477	1477	1277	110	36	Sand	Winona & Basic City

TABLE 22—RECORD OF WATER WELLS IN SUNFLOWER COUNTY—(Continued)

	Water Level		Measuring point			Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
104.	34.5	June 16	116	2.3	Top of well tee	.....	.....	81	Dom.	Casing diameter probably is reduced at depth
105.	30.55	June 16	115	0	Top of well elbow	.....	.....	77	Dom.	
106.	+	.....	118	.....	Surface of land	.....	.....	.....	Dom.	
107.	18.75	June 16	117	1.2	Top of well tee	.....	.....	78	Dom.	Reported yield when drilled, 55 g.p.m.
108.	15(app.)	June 7	118	3	Top of well tee	.....	.....	75½	Dom.	
109.	25.0	June 8	116	0.7	Top of well elbow	.....	.....	74½	Dom.	Reported yield when drilled, 50 g.p.m. Static level, 32 ft. above surface of the land
110.	+	.....	115	.....	Surface of land	.....	.....	79	Dom.	Found flowing. 5 g.p.m. Reported yield when drilled, 75 g.p.m. Static level, more than 35 ft. above surface of the land
111.	23.19	June 7	117	2.7	Top of well tee	.....	.....	.....	Dom.	
112.	51.75	June 7	113	1.3	Top of well tee	.....	.....	.....	Dom.	Reported yield when drilled, 70 g.p.m.
113.	41.0	June 16	117	0	Top of well tee	.....	.....	.....	Dom.	
114.	7.6	June 2	115	0	Top of concrete curb at S. end of pool	10	.....	.....	Pool	Found flowing. Well No. 12, Water Sup. Paper 576, p. 434
115.	76.8	June 2	119	3	Top of well elbow	430	.....	88½	P. S.	
116.	+	.....	.....	.....	.....	.....	.....	.....	Ind.	Well No. 14, Water Sup. Paper 576, p. 434
117.	25.1	June 2	120	4.5	Top of upper well tee	36	.....	84	P. S.	Found flowing. Well No. 13, Water Sup. Paper 576, p. 434
118.	22.25	June 7	116	1	Top of well elbow	.....	.....	.....	Dom.	
119.	.....	.....	115	.....	Surface of land	.....	.....	.....	.....	Reported yield when drilled, 95 g.p.m. Static water level, 103 ft. above surface of land
120.	38.4	Nov. 12, 1938	117	0	Top of well valve	52	.....	82½	Dom.	
121.	75.75	June 16, 1939	117	2	Top of well tee	55	.....	.....	Dom.	
122.	31.1	Dec. 10. 1938	114	1.4	Top of 4 in. casing	60	.....	78	Dom.	Yield reported
123.	2.25	Dec. 10, 1938	112	0	Top of casing	.....	7(app.)	.....	Dom.	

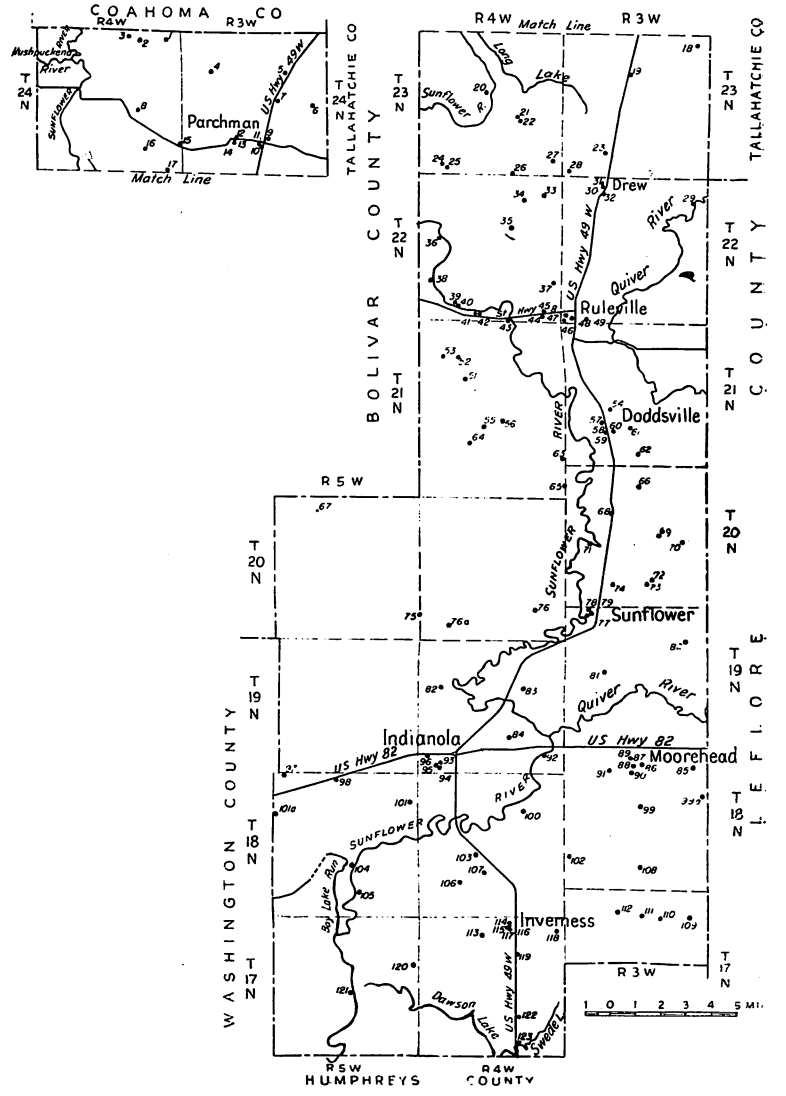


Figure 32.—Map of wells in Sunflower County.

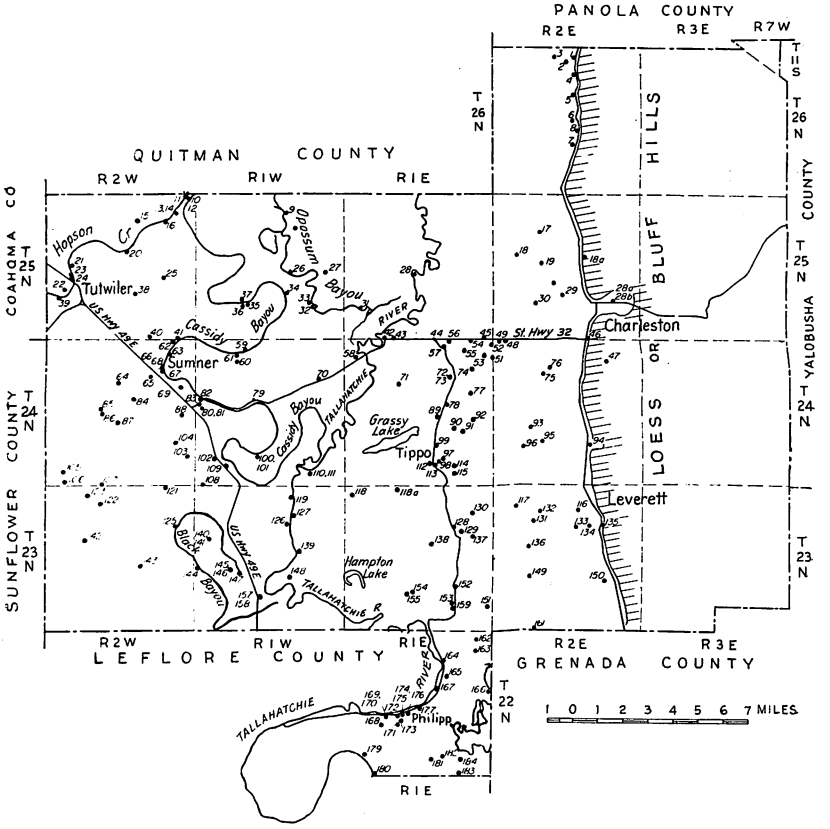


Figure 33.—Map of wells in Tallahatchie County.

TABLE 23—RECORD OF WATER WELLS IN TALLAHATCHIE COUNTY

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
1.	SE.1/4, NW.1/4, Sec.3, T.26 N., R. 2 E.	Charles Mitchell	C. C. Gunter	1925	2	180	.....	.....	.....	.....	.....	Winona
2.	NE.1/4, SE.1/4, Sec.4, T.26 N., R. 2 E.	J. A. Henson	Mr. Journey	1903	3	360	360	340	20	140(?)	Sand	Basic City
3.	N-S mid section line, Sec.4, T.26, N., R. 2 E.	J. P. Burkeholder	.....	.....	2	.....	.....	.....	.....	.....	.....	
4.	NE.1/4, NW.1/4, Sec.10, T.26 N., R. 2 E.	Conn. Life Ins. Co.	.....	1918	2	400	.....	.....	.....	.....	.....	Winona & Basic City
5.	SE.1/4, SW.1/4, Sec.10, T.26 N., R. 2 E.	Herman Smith	.....	.....	2	400(?)	.....	.....	.....	.....	.....	
6.	SW.1/4, SW.1/4, Sec.15, T.26 N., R. 2 E.	O. J. Sherman	C. M. Journey	1937	1¼	360	.....	.....	.....	.....	.....	Winona & Basic City
7.	SW.1/4, SW.1/4, Sec.22, T.26 N., R. 2 E.	P. H. Sherman	C. C. Gunter	1930	2	500	100	.....	.....	.....	.....	Winona & Basic City
8.	SE.1/4, NW.1/4, Sec.22, T.26 N., R. 2 E.	O. J. Sherman	Mr. Journey	.....	2	100	.....	.....	.....	.....	.....	Winona
9.	NW.1/4, SE.1/4, Sec.3, T.25 N., R. 1 W.	Barclay Hicks	.....	.....	2	.....	.....	.....	.....	.....	.....	
10.	NE.1/4, NE.1/4, Sec.1, T.25 N., R. 2 W.	Dr. W. A. Prince	.....	.....	2	720	720	680	40	.....	Sand	Meridian
11.	NE.1/4, NE.1/4, Sec.1, T.25 N., R. 2 W.	Town of Vance	C. E. Feigler	.....	2	720	700	.....	.....	.....	Sand	Meridian
12.	NW.1/4, NE.1/4, Sec.1, T.25 N., R. 2 W.	Dr. G. C. Denson	L. S. Journey	1928	2	900	900	840	60	.....	Sand	Meridian
13.	NE.1/4, SW.1/4, Sec.1, T.25 N., R. 2 W.	S. M. Fewell	C. E. Feigler	1910	3	750	.....	.....	.....	.....	Sand	Meridian
14.	NE.1/4, SW.1/4, Sec.1, T.25 N., R. 2 W.	S. M. Fewell	[illegible]	1928	3	750	.....	.....	.....	.....	Sand	Meridian
15.	NW.1/4, NE.1/4, Sec.10, T.25 N., R. 2 W.	L. Avent & others	Mr. Journey	1928	2	.....	.....	.....	.....	.....	.....	
16.	NE.1/4, NE.1/4, Sec.11, T.25 N., R. 2 W.	A. W. Willis	.....	1918	2	.....	.....	.....	.....	.....	.....	
17.	NE.1/4, SE.1/4, Sec.8, T.25 N., R. 2 E.	Mr. Brown	C. C. Gunter	1937	2	250(?)	.....	.....	.....	.....	.....	Winona(?)
18.	Sec. line, Secs.17-18, T.25 N., R. 2 E.	Paducah Cooperage Co.	.....	1909	2	600	600	.....	.....	.....	.....	Meridian(?)
18a.	NE.1/4, SW.1/4, Sec.15, T.25 N., R. 2 E.	E. C. Stancel	T. B. Minyard	1939	2	532	532	.....	41	25	Sand	Meridian
19.	SE.1/4, SE.14, Sec.17, T.25 N., R. 1 W.	J. B. Hill	.....	1910(?)	3	.....	.....	.....	.....	.....	.....	
20.	SW.1/4, NW.1/4, Sec.15, T.25 N., R. 2 W.	P. H. Thornton	T. B. Minyard	1933	2	916	916	872(?)	40	.....	Sand	Meridian
21.	SW.1/4, SW.1/4, Sec.17, T.25 N., R. 2 W.	J. H. Luckett	C. M. Journey	1928	2	1489	1489	1439	50	.....	Sand	Lower Wilcox
22.	SE.1/4, SE.1/4, Sec.19, T.25 N., R. 2 W.	Town of Tutwiler	C. M. Journey	1926	8	1300	1300	.....	.....	.....	Sand	Meridian

TABLE 23—RECORD OF WATER WELLS IN TALLAHATCHIE COUNTY—(Continued)

	Water Level		Measuring point			Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
1.	−29.0	Nov. 29, 1938	189	1.7	Base of pitcher pump	.....	.....	.....	Dom.	
2.	5.0	Nov. 29	179	3	Top of 1¼ in. pipe	3	.....	63¾	Dom.	Found flowing
3.	1.6	Nov. 29	174	4.6	Top of 1¼ in. elbow	3	.....	64	Dom.	Found flowing
4.	2(app.)	Nov. 29	187	0	Surface at well head	1.5	.....	65	Dom.	Found flowing
5.	2.0	Nov. 29	182	0	Surface at well head	1.5	.....	64	Dom.	Found flowing
6.	0	Oct. 31	187	0	Surface at well head	.....	.....	.....	.....	Small flow reported
7.	.....	.....	193	.....	Well head buried	.....	.....	.....	.....	Water level 2 feet below ground surface when drilled
8.	2	Oct. 31	194	0	Surface at well head	5	.....	63½	Dom.	Found flowing
9.	3.1	Nov. 19	153	3	Top of well tee	9	.....	67¾	Dom.	Found flowing
10.	11.7	Nov. 16	156	1.5	Top of faucet by front porch	27	.....	61	Dom.	Finished with perforated pipe
11.	.....	.....	.....	.....	Buried in road bed	30	.....	.....	P. S.	Supplies school, several stores and homes. Well No. 26, Water Sup. Paper 576, p. 441
12.	11.8	Nov. 16	156	1	Top of well valve	20	.....	66¼	Dom.	Yield reported when drilled
13.	6.4	Nov. 16	156	0.5	Top of well tee	.....	.....	66½	Dom.	Gradual decline in head reported
14.	.....	.....	.....	.....	.....	.....	.....	.....	Dom.	Finished with perforated pipe
15.	4.0	Nov. 14	158	3.2	Top of well arch	7	.....	69½	Dom.	
16.	2.8	Nov. 14	157	2	Top of well tee	.....	.....	67	Dom.	
17.	13.3	Oct. 31	154	1.2	Top of well elbow	33	.....	65½	Dom.	Found flowing
18.	8.2	Oct. 31	151	0.4	Top of well elbow	10	.....	64½	Dom.	Finished with screen
18a.	18.0	July, 1939	175	.....	Surface of land	25	.....	68	Dom.	Completed with modified gravel wall
19.	11.8	Nov. 19, 1938	156	3.0	Top of well tee	.....	.....	67	Dom.	
20.	10.3	Nov. 14	157	0.3	Top of well arch	.....	.....	.....	Dom.	
21.	7.2	Nov. 14	162	1.8	Top of well elbow	12	.....	66¼	Dom.	Also pumped
22.	5.75	.....	.....	.....	.....	.....	175	.....	P. S.	

TABLE 23—RECORD OF WATER WELLS IN TALLAHATCHIE COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
23.	NW.1/4, SW.1/4, Sec.20, T.25 N., R. 2 W.	Town of Tutwiler		1900(?)	3	.....	.....	.....	.....	.....	.....	
24.	SW.1/4, SW.1/4, Sec.20, T.25 N., R. 2 W.	Town of Tutwiler		1911	2	1180	.....	.....	.....	70	Sand	Meridian
25.	SW.1/4, NE.1/4, Sec.23, T.25 N., R. 2 W.	T. R. Rice	J. A. Pollard(?)	1921	2	800(?)	.....	.....	.....	.....	.....	
26.	NE.1/4, NE.1/4, Sec.22, T.25 N., R. 1 W.	Ben Pennington		1912	2	800	.....	.....	.....	.....	.....	Meridian
27.	NW.1/4, NE.1/4, Sec.24, T.25 N., R. 1 W.	Fred Milton	C. C. Gunter	1936	1½	480	480	.....	.....	.....	Sand	Winona & Basic City
28.	SE.1/4, NE.1/4, Sec.21, T.25 N., R. 1 E.	Lamb-Fish Lbr. Co.	C. C. Gunter	.....	2	450	.....	.....	.....	.....	.....	Meridian
28a.	SE.1/4, NE.1/4, Sec.26, T.25 N., R. 2 E.	Town of Charleston	W. A. Jacobs	1918	6	1330 ft.	.....	.....	.....	.....	Sand	Meridian
28b.	SE.1/4, NE.1/4, Sec.26, T.25 N., R. 2 E.	Town of Charleston		1938	.....	9 in.	.....	.....	.....	.....	.....	
29.	NE.1/4, NE.1/4, Sec.28, T.25 N., R. 2 E.	Mallory Smith		.....	3	400(?)	100	.....	.....	.....	.....	Winona & Basic City
30.	SW.1/4, NE.1/4, Sec.29, T.25 N., R. 2 E.	Adam Moore		.....	2	400(?)	.....	.....	.....	.....	.....	Winona & Basic City
31.	NW.1/4, SE.1/4, Sec.30, T.25 N., R. 1 E.	.....	C. C. Gunter	1937	1¼	780(?)	.....	.....	.....	.....	.....	Meridian(?)
32.	NW.1/4, SE.1/4, Sec.26, T.25 N., R. 1 W.	Ben Pennington	C. C. Gunter	1937	2	783	.....	.....	.....	.....	Blue Sand	Meridian
33.	NW.1/4, SE.1/4, Sec.26, T.25 N., R. 1 W.	T. B. Abbey	C. C. Gunter	1937	2	700	.....	.....	.....	.....	.....	Meridian
34.	NW.1/4, NE.1/4, Sec.27, T.25 N., R. 1 W.	L. R. Willis	J. A. Pollard(?)	1918	3	.....	.....	.....	.....	.....	.....	Meridian(?)
35.	NW.1/4, SW.1/4, Sec.28, T.25 N., R. 1 W.	Frank Mitchner	C. E. Feigler	1921	2	836	836	.....	.....	.....	.....	Meridian
36.	NE.1/4, SE.1/4, Sec.29, T.25 N., R. 1 W.	Smith Murphey	Mr. Benson	1923	3	810	770	.....	40	.....	.....	Meridian
37.	SE.1/4, NE.1/4, Sec.29, T.25 N., R. 1 W.	Smith Murphey		1905	2	550	100	.....	.....	.....	.....	Winona & Basic City
38.	NW.1/4, NE.1/4, Sec.27, T.25 N., R. 2 W.	T. K. Scott	T. B. Minyard	1933	2	902	900	860	40	.....	Sand	Meridian
39.	NW.1/4, NE.1/4, Sec.30, T.25 N., R. 2 W.	A. Falls	C. M. Journey	1933	3	1125(?)	1125(?)	.....	130	.....	Sand	Meridian(?)
40.	SW.1/4, SW.1/4, Sec.35, T.25 N., R. 2 W.	Dr. Casburn		1912	.....	.....	.....	.....	.....	.....	.....	
41.	SE.1/4, SW.1/4, Sec.36, T.25 N., R. 2 W.	W. B. Buford	C. E. Feigler	1913	2	850	.....	.....	.....	.....	.....	Meridian
42.	SW.1/4, SE.1/4, Sec.32, T.25 N., R. 1 E.	J. R. Denman	C. M. Journey(?)	1918	2	500(?)	.....	.....	.....	.....	.....	Meridian(?)
43.	SE.1/4, SE.1/4, Sec.32, T.25 N., R. 1 E.	Joe Denman	C. M. Journey(?)	1918	2	517	200	.....	.....	.....	Sand	Basic City & Winona

TABLE 23—RECORD OF WATER WELLS IN TALLAHATCHIE COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.) Flow	Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l	+ or − ground (feet)	Description					
23.	4.2	Nov. 14	156	1.3	Top of well tee	3		68¾	Obs.	
24.	6.7	Nov. 14	159	3	Top of well tee	15		70¼	P. S.	Well No. 25, Water Sup. Paper 576, p.441
25.	6.7	Nov. 14	155	3.8	Top of well arch			67½	Dom.	Found flowing 3 g.p.m.
26.	7.0	Nov. 11	154	2.8	Top of well tee			68¾	P. S.	Supplies most of town of Brazil
27.	17.5	Nov. 11	149	1.3	Top of well tee			68	Dom.	
28.	7.4	Nov. 11	149	1.0	Top of well tee	12		65¾	Dom.	Found flowing
28a.	21.29	Mar. 23, 1940	205	3.5	Bottom of opening in 4 in. tee				Obs.	Well No. 3, Water Supply Paper 576, p. 441. Now abandoned
28b.							500		P. S.	Town supply. Reported finished with gravel wall
29.	3.6	Oct. 31, 1938	167	2.4	Top of 3 in. casing	4.5		65¾	Dom.	Found flowing
30.	7.0	Oct. 31	162	0	Top of casing	3		65	Dom.	Found flowing
31.	26.4	Nov. 10	147	0.8	Top of inverted drill pipe	14		68	Dom.	Found flowing
32.	19.8	Nov. 10	151	1.3	Top of 3 in. casing	40		71¼	Dom.	Found flowing. Finished with perforated pipe
33.	5.9	Nov. 10	152	2.8	Top of lower well tee	5		67½	Dom.	Found flowing 3 g.p.m.
34.	10.3	Nov. 10	153	0	Top of 3 in. casing	10			Dom.	Found flowing
35.	9.5	Nov. 11	153	2.0	Top of well tee			67¼	Dom.	Gradual decline of static head reported
36.	9.8	Nov. 11	154	3.0	Top of well tee	80		69	Dom.	Finished with perforated pipe
37.	0.4	Nov. 11	155	2.6	Top of well tee	5		65¾	Dom.	
38.	20.4	Nov. 14	146	1.0	Top of well arch	24		67¾	Dom.	
39.	+					25			Dom.	Yield reported when drilled
40.	10.7	Nov. 14	145	0	Top of well cross				Dom.	Reported marked decline in static head last few years
41.	7.3	Nov. 10	154	1.4	Top of well tee			65	Dom.	Reported marked decline in static head last few years
42.	9.5	Nov. 3	150	1	Top of well tee	5			Dom.	
43.	4.6	Nov. 3	154	3.0	Top of 1 In. pipe at swimming pool	5		65¾	Dom.	Reported 22 g.p.m. flow when drilled

TABLE 23—RECORD OF WATER WELLS IN TALLAHATCHIE COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
44.	SW.1/4, SE.1/4, Sec.34, T.25 N., R. 1 E.	J. J. Pitts	C. C. Gunter	1925	2	500	150(?)	.....	.....	.....	Sand	Basic City & Winona
45.	SE.1/4, SW.1/4, Sec.36, T.25 N., R. 1 E.	Mr. McCullen	C. C. Gunter	.....	2	350	150	.....	.....	.....	Sand	Basic City & Winona
46.	SE.1/4, SE.1/4, Sec.34, T.25 N., R. 2 E.	Mrs. M. Ladd	C. C. Gunter	1931	2	460	.....	.....	.....	.....	Sand	Meridian(?)
47.	SE.1/4, SE.1/4, Sec.2, T.24, N., R. 2 E.	Tallaha Scout Camp	Layne-Central	1938	4	550	550	505(?)	45(?)	40	Sand	Meridian
48.	NW.1/4, NE.1/4, Sec.6, T.24 N., R. 2 E.	D. B. Brannon	C. C. Gunter	1918	2	540	150(?)	.....	.....	.....	Sand	Winona & Basic City
49.	NW.1/4, NW.1/4, Sec.6, T.24 N., R. 2 E.	C. C. Gunter	Owner	1938	2	525	150	.....	.....	.....	Sand	Winona & Basic City
51.	NW.1/4, SW.1/4, Sec.6, T.24 N., R. 2 E.	William Brown	.....	.....	2	.....	.....	.....	.....	.....	.....	.....
52.	NE.1/4, NE.1/4, Sec.1, T.24 N., R. 1 E.	Mr. Roy	C. C. Gunter	1938	2	438	180	.....	.....	.....	Sand	Winona & Basic City
53.	NW.1/4, SE.1/4, Sec.1, T.24 N., R. 1 E.	Federal Land Bank	.....	1918	2	350(?)	.....	.....	.....	.....	.....	Winona
54.	NW.1/4, NW.1/4, Sec.1, T.24 N., R. 1 E.	Edgar Prescott	.....	1900	2	.....	.....	.....	.....	.....	.....	.....
55.	SE.1/4, NE.1/4, Sec.2, T.24 N., R. 1 E.	Edgar Prescott	.....	1900	2	.....	.....	.....	.....	.....	.....	.....
56.	NE.1/4, NW.1/4, Sec.2, T.24 N., R. 1 E.	Mrs. Stackhouse	.....	.....	2	450	150(?)	.....	.....	.....	Sand	Winona & Basic City
57.	SW.1/4, NW.1/4, Sec.2, T.25 N., R. 1 E.	Mr. Fredric	.....	1905	2	390	.....	.....	.....	.....	White Sand	Winona & Basic City
58.	NE.1/4, SW.1/4, Sec.6, T.24 N., R. 1 E.	Henry Webb	.....	1925	3	500	.....	.....	.....	.....	Sand	Winona & Basic City
59.	SE.1/4, NE.1/4, Sec.5, T.24 N., R. 1 W.	Frank Mitchner	.....	.....	3(?)	800	.....	.....	.....	.....	Sand	Basic City
60.	SW.1/4, SE.1/4, Sec.5, T.24 N., R. 1 W.	J. B. Sheedy	C. C. Gunter	1936	2	777	777	697	80	.....	Sand	Meridian
61.	NW.1/4, SE.1/4, Sec.5, T.24 N., R. 1 W.	J. S. Sumner	C. C. Gunter	1936	1¼	928	928	868	60	.....	Sand	Meridian
62.	NW.1/4, NW.1/4, Sec.1, T.24 N., R. 2 W.	Mrs. C. B. Phillips	J. A. Pollard	1908	2(?)	800	.....	.....	.....	.....	White Sand	Basic City
63.	NE.1/4, SE.1/4, Sec.2, T.24 N., R. 2 W.	Mr. Huffman	.....	.....	2	550	.....	.....	.....	.....	.....	Winona & Basic City
64.	NE.1/4, SE.1/4, Sec.9, T.24 N., R. 2 W.	W. A. MacMullen	C. E. Feigler	1912	2	850	.....	.....	.....	.....	Sand	Meridian & Basic City
65.	NW.1/4, SW.1/4, Sec.11, T.24 N., R. 2 W.	J. J. Webb	.....	.....	3	850	.....	.....	.....	.....	Sand	Meridian & Basic City
66.	NW.1/4, NE.1/4, Sec.11, T.24 N., R. 2 W.	Town of Sumner	J. A. Pollard	1916	6	760	.....	.....	.....	.....	Sand	.....
67.	NW.1/4, NE.1/4, Sec.11, T.24 N., R. 2 W.	Smith Murphey	J. A. Pollard	1918	2	780	.....	.....	.....	.....	Sand	.....

TABLE 23—RECORD OF WATER WELLS IN TALLAHATCHIE COUNTY—(Continued)

	Water Level		Measuring point							
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l	+ or − ground (feet)	Description	Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
44.	7.2	Oct. 25	150.8	3.0	Top of well valve	4		65	Dom.	
45.	.....	.....	.....	.....	.....	5	.....	65¼	Dom.	Found flowing
46.	−8.65	Oct. 26	187	2.3	Base of pitcher pump	.....	.....	.....	Dom.	
47.	−30(app.)	Sept. 19	213	.....	Surface at well head	.....	150(app.)	65¼	P. S.	Supplies family and scout camp
48.	10.1	Oct. 25	156	2.2	Top of well tee	10	.....	.....	Dom.	Found flowing
49.	11.0	Oct. 22	151	1	Top of well elbow	30	.....	67	Dom.	
51.	2.0	Oct. 22	153	4	Top of well elbow	5	.....	65½	Dom.	Found flowing
52.	9.2	Oct. 22	152	2.4	Top of well tee	18¾	.....	66½	Dom.	Found flowing
53.	5.2	Oct. 22	152	3	Top of well tee	11	.....	66	Dom.	Dark colored water found flowing
54.	1.9	Oct. 22	142	2.5	Top of well tee	3	.....	64	Dom.	Found flowing
55.	5.6	Oct. 22	146	3	Top of well elbow	13½	.....	66	Dom.	Found flowing
56.	5.5	Oct. 25	149	3.6	Top of well elbow	15	.....	65	Dom.	Found flowing
57.	9.9	Oct. 25	149	0	Top of well tee	.....	.....	.....	Dom.	Found flowing partly open
58.	16.6	Nov. 3	151	3	Top of well tee	.....	.....	66½	Dom.	Reported decline in static head during 1938
59.	3.1	Nov. 10	153	1.2	Top of well arch	.....	.....	.....	Dom.	
60.	9.6	Nov. 5	154	1.5	Top of well tee	7½	.....	70	Dom.	
61.	10.4	Nov. 5	152	0.5	Top of well tee	35	.....	70	Dom.	Water has alkaline taste
62.	6.3	Nov. 10	153	0.3	Top of lower well tee	5	.....	68½	Dom.	Reported marked decline in flow during last two years
63.	4.4	Nov. 8	150	0	Top of well elbow	.....	10(app.)	65	Dom.	
64.	0.4	Nov. 10	144	3	Top of well tee	1	10(app.)	67	Dom.	Reported static head in 1917, 17 feet
65.	2.0	Nov. 10	151	0	Surface of ground at well head	.....	.....	.....	Dom.	Pumped with pitcher pump
66.	+	Nov. 8	155	3	Top of pipe to reservoir	.....	200	73¼	P. S.	
67.	−4.08	Nov. 8	152	0.8	Top of well tee	.....	.....	.....	Obs.	Flows when nearby town well is not pumped

TABLE 23—RECORD OF WATER WELLS IN TALLAHATCHIE COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
68.	NW.1/4, NE.1/4, Sec.11, T.24 N., R. 2 W.	Town of Sumner	Layne-Central	1939	4	1680	.....	.....	.....	80	Sand	Lower Wilcox
69.	SE.1/4, SW.1/4, Sec.12, T.24 N., R. 2 W.	Planter's Hill	J. A. Pollard(?)	1915	3	750	.....	.....	.....	.....	Sand	Basic City
70.	Center Sec.12, T. 24 N., R. 1 W.	G. B. Countiss	.....	.....	2	.....	.....	.....	.....	.....	.....	
71.	SW.1/4, SW.1/4, Sec.9, T.24 N., R. 1 E.	J. A. Shaw	C. M. Journey	.....	2	500(?)	.....	.....	.....	.....	.....	
72.	NW.1/4, SW.1/4, Sec.11, T.24 N., R. 1 E.	O. F. Bruggs	.....	1905	2	.....	.....	.....	.....	.....	.....	
73.	NW.1/4, SW.1/4, Sec.11, T.24 N., R. 1 E.	O. F. Bruggs	C. M. Journey	1936	3	550	550	510	40	.....	Sand	Basic City
74.	NE.1/4, NW.1/4, Sec.12, T.24 N., R. 1 E.	O. S. Sumner	.....	1900	2	420(?)	.....	.....	.....	.....	.....	Winona & Basic City
75.	NE.1/4, SE.1/4, Sec.8, T.24 N., R. 2 E.	Robert Reed	.....	1923	2	380(?)	100	.....	.....	.....	.....	
76.	SE.1/4, NW.1/4, Sec.9, T.24 N., R. 2 E.	J. J. Milan	C. C. Gunter	1928	2	540	90	.....	.....	.....	White Sand	Winona, Basic City
77.	NW.1/4, NW.1/4, Sec.13, T.24 N., R. 1 E.	Guaranty Loan & Trust Co.	.....	1905	2	450	.....	.....	.....	.....	.....	& Meridian
78.	NW.1/4, SW.1/4, Sec.14, T.24 N., R. 1 E.	Guaranty Loan & Trust Co.	.....	.....	1¼	450	.....	.....	.....	.....	.....	
79.	SE.1/4, NW.1/4, Sec.16, T.24 N., R. 1 W.	J. L. Dyess	.....	.....	2	602	602	572	30	11	Sand	Meridian
80.	NW.1/4, SW.1/4, Sec.18, T.24 N., R. 1 W.	Town of Webb	T. B. Minyard	1926	6	865	865	815	50	.....	Sand	Meridian
81.	NW.1/4, SW.1/4, Sec.18, T.24 N., R. 1 W.	Town of Webb	T. B. Minyard	1926	6	865	865	790	75	.....	Sand	Meridian
82.	SW.1/4, NW.1/4, Sec.18, T.24 N., R. 1 W.	T. B. Abbey	J. A. Pollard	.....	3	800	800	780	20	.....	Sand	Meridian
83.	NW.1/4, SW.1/4, Sec.18, T.24 N., R. 1 W.	Mrs. N. M. Glover	.....	.....	2	.....	.....	.....	.....	.....	.....	
84.	NW.1/4, SE.1/4, Sec.15, T.24 N., R. 2 W.	John Stevens	J. A. Pollard	1909	2	890(?)	.....	.....	.....	.....	Sand	Meridian(?)
85.	SE.1/4, SW.1/4, Sec.16, T.24 N., R. 2 W.	W. W. Ferguson	J. A. Pollard	1911	2	900	.....	.....	.....	.....	Sand	Meridian
86.	NE.1/4, NW.1/4, Sec.21, T.24 N., R. 2 W.	Blue Lake School	C. M. Journey	1927	3	900	900	820(?)	80(?)	.....	Sand	Meridian
87.	SE.1/4, NE.1/4, Sec.21, T.24 N., R. 2 W.	J. J. Webb	J. A. Pollard(?)	1914	2	.....	350(?)	.....	.....	.....	.....	Kosciusko(?)
88.	NE.1/4, NW.1/4, Sec.24, T.24 N., R. 2 W.	Kelso Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....	
89.	NW.1/4, NE.1/4, Sec.22, T.24 N., R. 1 E.	W. H. Dick	.....	1905	2	450	150(?)	.....	.....	.....	.....	
90.	NE.1/4, SW.1/4, Sec.23, T.24 N., R. 1 E.	Mr. Kimbrough	C. C. Gunter	1929	2	500(?)	150	.....	.....	.....	Sand	Winona & Basic City

TABLE 23—RECORD OF WATER WELLS IN TALLAHATCHIE COUNTY—(Continued)

	Water Level		Measuring point			Yield	(g.p.m.)	Temp.	Use of	Other records and
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l	+ or − ground (feet)	Description	Flow	Pump	°F.	water	general information
68.	55.6	Aug. 13, 1939	153.8	0.5	Top of 8 in. casing	315		84¼	P. S.	
69.	+	Nov. 8, 1938	151			20	45		Ind.	Supplies Oil Mill. Reported yield was measured in Nov., 1937
70.	11.5	Nov. 3	155	2.6	Top of well tee			66½	Dom.	
71.	+	Nov. 5	152			12			Dom.	Found flowing
72.	4.2	Oct. 25	142	2	Top of 2 in. casing	2		64½	Dom.	Found flowing
73.	13.8	Oct. 25	146	2	Top of well tee	25			Dom.	
74.	8.45	Oct. 22	147	2.5	Top of well elbow	19		66	Dom.	Open end well: found flowing
75.	6.9	Oct. 28	149	0.7	Top of well tee	6		65¼	Dom.	Found flowing
76.	16.6	Oct. 28	156	0.5	Top of well cross	45		66¾	Dom.	
77.	+					10		66	Dom.	Found flowing
78.	10.0	Oct. 25	151	0	Top of 2 in. casing				Dom.	
79.	0.5(app.)	Nov. 3	150	2.5	Top of well elbow	3½		71	Dom.	Reported to have stopped flowing for 2 years
80.	8.0	Nov. 3	153	0	Top of well casing		115	73	P. S.	
81.	+		152			50				Flows into surface reservoir
82.	7.1	Nov. 4	147	0	Top of well tee				Dom.	
83.	2.0	Nov. 3	156	2.9	Top of well tee				Dom.	
84.	1.1	Nov. 10	153	3.2	Top of 2 in. casing	5	25(app.)		Dom.	Gradual decline in static head reported
85.	12.5	Nov. 8	146	0	Top of well elbow	16		69¼	Dom.	Well was deepened from 806 feet in 1927
86.	2.9	Nov. 9	148	1.7	Top of well tee	3		69½	School	
87.	6.7	Nov. 8	150	0.5	Top of well elbow	5		62½	Dom.	
88.	+		148					71	Ind.	Supplies ice manufacturing plant
89.	+		153			2.5		66½	Dom.	Found flowing
90.	10.7	Oct. 25	146	1.5	Top of 2 in. reducer	125		66	Dom.	Found flowing

TABLE 23—RECORD OF WATER WELLS IN TALLAHATCHIE COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
91.	NW.1/4, SE.1/4, Sec.23, T.24 N., R. 1 E.	W. H. Dick		1920	3	.....	.....	.....	.....	.....	.....	
92.	NW.1/4, NW.1/4, Sec.24, T.24 N., R. 1 E.	Guaranty Loan & Trust Co.		.....	2	450	150(?)	.....	.....	.....	.....	Winona & Basic City
93.	NE.1/4, SW.1/4, Sec.20, T.24 N., R. 2 E.	C. A. Lee		.....	2	.....	.....	.....	.....	.....	.....	
94.	SE.1/4, NE.1/4, Sec.27, T.24 N., R. 2 E.	George Payne	C. C. Gunter	.....	2	600	600	.....	.....	.....	Sand	Meridian
95.	NE.1/4, NE.1/4, Sec.29, T.24 N., R. 2 E.	Mrs. F. M. Mounce	C. M. Journey	1924	2	400	100	.....	.....	.....	Sand	Winona & Basic City
96.	SW.1/4, NW.1/4, Sec.29, T.24 N., R. 2 E.	George Payne	C. C. Gunter	1930	2	400	100	.....	.....	.....	Sand	Winona & Basic City
97.	SE.1/4, SE.1/4, Sec.27, T.24 N., R. 1 E.	A. G. Murphey, Sr.	C. C. Gunter	1926	2	500	.....	.....	.....	.....	Sand	Winona & Basic City
98.	SE.1/4, SE.1/4, Sec.27, T.24 N., R. 1 E.	A. G. Murphey, Sr.	C. C. Gunter	1921	2	508	.....	.....	.....	.....	Sand	Winona & Basic City
99.	SW.1/4, NE.1/4, Sec.27, T.24 N., R. 1 E.	J. H. Dickson	C. C. Gunter	1928	2	500	.....	.....	.....	.....	Glauconitic gray sand	Winona & Basic City
100.	NE.1/4, SW.1/4, Sec.28, T.24 N., R. 1 W.	Robert Dyess	Mr. Journey	1917	3	1117	1117(?)	.....	.....	.....	Sand	Wilcox(?)
101.	NE.1/4, SW.1/4, Sec.28, T.24 N., R. 1 W.	Robert Dyess	C. C. Gunter	1933	1¼	980	980	880	100	.....	Sand	Meridian
102.	SE.1/4, SE.1/4, Sec.30, T.24 N., R. 1 W.	A. Falls	C. E. Feigler	1908	2	550(?)	.....	.....	.....	.....	.....	
103.	NW.1/4, SE.1/4, Sec.25, T.24 N., R. 2 W.	Rainbow Plant. Co.		.....	2	300	.....	.....	.....	.....	.....	Kosciusko(?)
104.	NE.1/4, NW.1/4, Sec.25, T.24 N., R. 2 W.	Rainbow Plant. Co.	H. Riggles	1915	2	400	400	.....	.....	.....	Sand	Kosciusko
105.	SW.1/4, NE.1/4, Sec.31, T.24 N., R. 2 W.	W. O. Sheridan	T. B. Minyard	.....	3	677	.....	.....	.....	30	Sand	Winona
106.	SE.1/4, SE.1/4, Sec.31, T.24 N., R. 2 W.	J. A. Brown, M. F. Tyler	C. M. Journey	1938	2	1140	1140	1090	50	73	Sand	Meridian
107.	SE.1/4, SW.1/4, Sec.33, T.24 N., R. 2 W.	Clyde Booth	T. B. Minyard	1918	2	787	.....	.....	153	.....	Sand	Winona & Basic City
108.	SE.1/4, SW.1/4, Sec.31, T.24 N., R. 1 W.	Mr. Countiss		.....	3	800	.....	.....	.....	.....	Sand	Basic City
109.	NW.1/4, NW.1/4, Sec.32, T.24 N., R. 1 W.	W. E. Smith		.....	2	.....	.....	.....	.....	.....	.....	
110.	SW.1/4, NE.1/4, Sec.35, T.24 N., R. 1 W.	W. K. James		1899(?)	3	450	.....	.....	.....	.....	Sand	Kosciusko
111.	SW.1/4, NE.1/4, Sec.35, T.24 N., R. 1 W.	W. K. James	J. A. Pollard(?)	1918(?)	3	755(?)	.....	.....	.....	.....	.....	Basic City(?)
112.	NE.1/4, NW.1/4, Sec.34, T.24 N., R. 1 E.	M. Allison		.....	2	596	100(?)	.....	.....	.....	Sand	Winona & Basic City
113.	NW.1/4, NE.1/4, Sec.34, T.24 N., R. 1 E.	County School	C. M. Journey	1923	2	490	250	.....	.....	.....	Sand	Winona & Basic City

TABLE 23—RECORD OF WATER WELLS IN TALLAHATCHIE COUNTY—(Continued)

	Water Level		Measuring point			Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l.	+ or − ground (feet)	Description					
91.	+	.....	.....	.....	.....	18.5	.....	66	Dom.	Found flowing
92.	+	.....	.....	.....	.....	3	.....	65	Dom.	Found flowing
93.	4.7	Oct. 28	145	0.5	Top of 2 in. casing union	2.5	.....	65	Dom.	Found flowing
94.	.....	.....	186	.....	.....	.....	15(app.)	.....	Dom.	Water level reported at land surface
95.	4.5	Oct. 28	150	0	Top of 2 in. casing.....	4½	.....	66¼	Dom.	Found flowing
96.	.....	Oct. 28	150	2	Top of 2 in. casing.....	5	.....	66¾	Dom.	Dark colored water; found flowing
97.	4.6	Oct. 25	149	2	Top of 2 in. casing.....	10	.....	67	Dom.	Found flowing
98.	+	Oct. 25	140	.....	.....	10	.....	66½	Dom.	Found flowing
99.	7.0	Oct. 25	146	2	Top of 2 in. casing.....	15	.....	66	Dom.	Found flowing
100.	2.8	Nov. 8	151	2.5	Top of 2 in. overflow pipe	4½	.....	66½	Dom.	Found flowing
101.	11.9	Nov. 8	151	1.3	Top of well tee.....	.....	.....	68¼	Dom.	
102	3(app.)	Nov. 8	146	0	Top of well tee.....	4	15(app.)	66½	Dom.	
103.	−4.44	Nov. 9	150	1.2	Top of 2 in casing.....	.....	.....	.....	Aban.	Reported to have been blasted 10 years ago
104.	0.5	Nov. 9	152	2.5	Top of well elbow.....	.....	15(app.)	.....	Dom.	
105.	2.8	Nov. 9	147	1.2	Top of well casing.....	.....	.....	68	Dom.	
106.	21.2	Nov. 8	142	0	Top of well tee.....	51½	.....	69¾	Dom.	
107.	14.5	Nov. 9	143	2	Top of 2 in. well coupling	.....	.....	68	Dom.	
108.	6.6	Nov. 8	149	1	Top of well tee.....	6	.....	65¾	Dom.	Gradual decline in static head reported
109.	3(app.)	Nov. 7	145	0	Surface of ground at well head	1	.....	66¼	Dom.	Pumped during operation of cotton gin
110.	1.0	Sept. 20	149	1	Top of well cross.....	1	.....	68	Dom.	Probably Well No. 14, Water Supply Paper 576, p. 441
111.	14.9	Sept. 20	147	−2	Top of faucet 200 feet E of well.....	3	.....	.....	Dom.	
112.	1.8	Oct. 27	147	1.8	Top of 2 in. reducer....	2	.....	66	Dom.	
113.	3.5	Oct. 26	146	0	Surface at concrete reservoir.....	8	.....	65¾	Dom.	

TABLE 23—RECORD OF WATER WELLS IN TALLAHATCHIE COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
114.	NE.1/4, NW.1/4, Sec.35, T.24 N., R. 1 E.	Marshal Huston		1908	2	620	.....	.....	.....	.....	Sand	Meridian & Basic City
115.	SE.1/4, NW.1/4, Sec.35, T.24 N., R. 1 E.	Marshal Huston		1922	2	600	.....	.....	.....	.....	Sand	Meridian & Basic City
116.	SE.1/4, SW.1/4, Sec.3, T.23 N., R. 2 E.	County School		1913	2(?)	400	.....	.....	.....	.....	Sand	Meridian & Basic City
117.	SE.1/4, SE.1/4, Sec.6, T.23 N., R. 2 E.	J. W. Hyde	C. C. Gunter	.....	2	500	150(?)	.....	.....	.....	Sand	Winona, Basic City
118.	SW.1/4, NW.1/4, Sec.6, T.23 N., R. 1 E.	Conn. Gen. Life Ins. Co.	C. M. Journey	1936	2	818	818	748	40	.....	Sand	& Meridian Meridian
118a.	NW.1/4, NW.1/4, Sec.4, T.23 N., R. 1 E.	Ware Plantation	T. B. Minyard	1930	2	816	815	755	40	81	Sand	Meridian
119.	SE.1/4, NE.1/4, Sec.3, T.23 N., R. 1 W.	J. R. Flautt	C. E. Feigler	.....	1¼	800	.....	.....	.....	.....	Sand	Basic City
121.	NE.1/4, NE.1/4, Sec.2, T.23 N., R. 2 W.	G. Countiss	T. B. Minyard	1937	2	919	919	859	60	75	Sand	Meridian
122.	NE.1/4, SW.1/4, Sec.4, T.23 N., R. 2 W.	J. A. Brown	J. A. Pollard	1911	2	730	702	.....	.....	.....	Sand	Basic City
123.	SE.1/4, NE.1/4, Sec.5, T.23 N., R. 2 W.	W. M. Waller	C. M. Journey	1926	2	840	840	780	60	.....	Sand	Basic City
125.	NW.1/4, SW.1/4, Sec.12, T.23 N., R. 2 W.	T. C. Buford	C. E. Feigler	.....	3	900	900	885	15	.....	Sand	Basic City
126.	NW.1/4, SE.1/4, Sec.10, T.23 N., R. 1 W.	J. R. Flautt		.....	3	800(?)	800(?)	.....	.....	.....	.....	Basic City(?)
127.	NE.1/4, NE.1/4. Sec.10, T.23 N., R. 1 W.	R. K. Rice	C. E. Feigler	.....	3	.....	.....	.....	.....	.....	.....	
128.	NE.1/4, SW.1/4, Sec.11, T.23 N., R. 1 E.	Met. Life Ins. Co.		.....	2	.....	.....	.....	.....	.....	.....	
129.	SW.1/4, SE.1/4, Sec.11, T.23 N., R. 1 E.	John Allison	Mr. Journey	.....	2	.....	.....	.....	.....	.....	.....	Meridian
130.	NW.1/4, NW.1/4, Sec.12, T.23 N., R. 1 E.	J. Buckholder	C. M. Journey	1936	2	466	466	406	60	.....	Sand	Basic City
131.	SW.1/4, NE.1/4, Sec.8, T.23 N., R. 2 E.	G. F. Houston		1925	2	350	.....	.....	.....	.....	.....	Basic City
132.	NE.1/4, NE.1/4, Sec.8, T.23 N., R. 2 E.	R. Stratton	E. Ratliff	1936	3	410	220	.....	.....	.....	Sand	Basic City & Meridian
133.	NE.1/4, SW.1/4, Sec.10, T.23 N., R. 2 E.	Kirk Orrell	Mr. Journey	1918	2	410	80	.....	.....	.....	Sand	Winona & Basic City
134.	NE.1/4, SE.1/4, Sec.10, T.23 N., R. 2 E.	Mrs. J. Crenshaw	J. A. Pollard	.....	2	400	100	.....	.....	.....	Sand	Basic City & Meridian
135.	NE.1/4, SW.1/4, Sec.11, T.23 N., R. 2 E.	Mrs. R. C. Orrell	Mr. Journey	1905	2	350	.....	.....	.....	.....	.....	
136.	NE.1/4, SW.1/4, Sec.17, T.23 N., R. 2 E.	Mrs. A. C. Grissom	E. Ratliff	1932	2	415	200	.....	.....	.....	Sand	Basic City & Meridian
137.	NW.1/4, NW.1/4, Sec.13, T.23 N., R. 1 E.	Met. Life Ins. Co.		.....	.....	.....	.....	.....	.....	.....	.....	

TABLE 23—RECORD OF WATER WELLS IN TALLAHATCHIE COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.)		Temp.	Use of	Other records and
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l	+ or − ground (feet)	Description	Flow	Pump	°F.	water	general information
114.	12.6	Oct. 25	146	0.9	Top of well elbow	5		67½	Dom.	Found flowing. Deepened from 580 feet in 1920
115.	5.9	Oct. 25	151	3	Top of well tee	5			Dom.	Found flowing
116.	16.6	Oct. 28	154	2.4	Top of well elbow	5(app.)		66¾	Dom.	Found flowing
117.			141			12½		67	Dom.	Found flowing
118.	17.9	Sept. 20	149	2.8	Top of driven 2 in. iron pipe	40		68	Dom.	Yield reported when drilled
118a.	25	Mar. 29, 1930	144			35			Dom.	Static water level and yield reported when drilled
119.	2.7	Sept. 19, 1938	148	0	Top of well elbow	1		69	Dom.	Well is pumped for household use
121.	11.7	Nov. 8	147	2	Top of well tee	60		70	Dom.	Yield reported when drilled
122.	10.7	Nov. 8	144	1.6	Top of well elbow			69½	Dom.	
123.	16.6	Nov. 9	141	1.1	Top of 3 in. casing	20		69¼	Dom.	
125.	5.5	Nov. 5	146	2.5	Top of well tee			67	Dom.	
126.	7.8	Sept. 19	153	2.5	Base of stock hydrant 100 feet S of well	5		70	Dom.	
127.	7.8	Sept. 20	147	1.5	Top of well tee			67½	Dom.	Probably Well No. 23, Water Supply Paper 576, p. 441
128.	7.3	Oct. 26	148	3.0	Top of 2 in. casing	13½		70	Dom.	Found flowing
129.	14.6	Oct. 26	143	1	Top of 2 in. casing	15		68	Dom.	Found flowing about 10 g.p.m.
130.	8.2	Oct. 27	141	0	Top of 2 in. casing union	40		66¼	Dom.	Yield reported when drilled
131.	+	Oct. 27	151			6		66½	Dom.	Flows 6 g.p.m. from overflow pipe 10.3 feet above ground level
132.	8.2	Oct. 28	142	1.9	Top of well elbow	14		67	Dom.	Found flowing
133.	1.7	Oct. 28	145	1.5	Top of well elbow	2½		64¾	Dom.	Found flowing
134.	3.8	Oct. 28	167	2.8	Base of pitcher pump		pitcher		Dom.	
135.	−	Oct. 28	183				pitcher		Dom.	Stopped flowing 10 years ago
136.	6.9	Oct. 27	140	3.4	Top of well elbow	12½		66¼	Dom.	Found flowing
137.	11.4	Oct. 26	144	0	Surface of ground			69	Dom.	Well head buried

TABLE 23—RECORD OF WATER WELLS IN TALLAHATCHIE COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
138.	SE.1/4, NW.1/4, Sec.15, T.23 N., R. 1 E.	J. H. Hey	C. C. Gunter	1929	2	585	85	.....	.....	.....	Green Sand	Winona & Basic City
139.	NW.1/4, SW.1/4, Sec.14, T.23 N., R. 1 W.	A. B. Mahoney	..	.....	2	.....	.....	.....	.....	.....	.....	
140.	NW.1/4, NE.1/4, Sec.18, T.23 N., R. 1 W.	M. P. Sturdivant	.....	1900(?)	2	650	.....	.....	.....	.....	.....	
141.	NW.1/4, NE.1/4, Sec.18, T.23 N., R. 1 W.	W. D. Sturdivant	C. M. Journey	1936	3	807	807	762	40	43	Sand	Meridian(?)
142.	SW.1/4, NE.1/4, Sec.17, T.23 N., R. 2 W.	M. C. Tyler	C. M. Journey	.....	3	954	.....	.....	.....	.....	.....	Meridian
143.	SE.1/4, NE.1/4, Sec.22, T.23 N., R. 2 W.	John Hancock Life Ins. Co.	.....	1923	3	950(?)	.....	.....	.....	.....	.....	
144.	SW.1/4, NW.1/4, Sec.19, T.23 N., R. 1 W.	T. C. Buford	C. E. Feigler	1915	3	900	900	885	15	.....	Sand	Meridian
145.	NE.1/4, SW.1/4, Sec.20, T.23 N., R. 1 W.	M. P. Sturdivant	C. M. Journey	1935	2	954	954	913	41	22	Sand	Meridian
146.	NE.1/4, SW.1/4, Sec.20, T.23 N., R. 1 W.	W. B. Sturdivant	C. E. Feigler	1918	1	620	620	.....	.....	.....	.....	Basic City
147.	NW.1/4, SE.1/4, Sec.20, T.23 N., R. 1 W.	W. D. Sturdivant	.....	1910	2	925	.....	.....	.....	.....	Sand	Meridian
148.	SE.1/4, SE.1/4, Sec.22, T.23 N., R. 1 W.	W. D. Alexander	.....	.....	2	.....	.....	.....	.....	.....	.....	
149.	NE.1/4, SW.1/4, Sec.20, T.23 N., R. 2 E.	William McClelland	E. Ratliff	.....	2	600	.....	.....	.....	.....	Sand	Basic City & Meridian
150.	SW.1/4, SE.1/4, Sec.23, T.23 N., R. 2 E.	H. E. Payne	Mr. Journey	1918	2	450	.....	.....	.....	.....	Sand	Meridian(?)
151.	SE.1/4, SE.1/4, Sec.25, T.23 N., R. 1 E.	J. W. Smith	.....	.....	3	.....	.....	.....	.....	.....	.....	
152.	NW.1/4, NE.1/4, Sec.26, T.23 N., R. 1 E.	Mrs. J. A. Roane	.....	.....	2	.....	.....	.....	.....	.....	.....	
153.	SE.1/4, SW.1/4, Sec.26, T.23 N., R. 1 E.	T. F. Willingham	.....	.....	2	360	.....	.....	.....	.....	Sand	Kosciusko
154.	SE.1/4, NE.1/4, Sec.28, T.23 N., R. 1 E.	T. F. Willingham	C. C. Gunter	.....	2	500	.....	.....	.....	.....	.....	
155.	Center Sec.28, T.23, N., R. 1 E.	Mrs. Maude Phelen	C. C. Gunter	.....	3	.....	.....	.....	.....	.....	.....	
157.	NW.1/4, SE.1/4, Sec.28, T.23 N., R. 1 W.	W. R. Gay	.....	1900(app.)	2	675(?)	.....	.....	.....	.....	.....	Basic City(?)
158.	NW.1/4, SE.1/4, Sec.28, T.23 N., R. 1 W.	W. R. Gay	.....	1900(app.)	4	675(?)	.....	.....	.....	.....	.....	Basic City(?)
159.	NE.1/4, NW.1/4, Sec.35, T.23 N., R. 1 E.	T. F. Willingham	C. C. Gunter	1923	2	568	200	.....	.....	.....	Sand	Basic City
161.	SW.1/4, SE.1/4, Sec.32, T.23 N., R. 2 E.	H. G. Cobwell, Jr.	C. C. Gunter	1918(app.)	2½	350(app.)	.....	.....	.....	.....	.....	Winona(?)
162.	SE.1/4, NW.1/4, Sec.1, T.22 N., R. 1 E.	William McClelland	.....	.....	2	.....	.....	.....	.....	.....	.....	

TABLE 23—RECORD OF WATER WELLS IN TALLAHATCHIE COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.) Flow	Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l	+ or − ground (feet)	Description					
138.	10.3	Oct. 26	138	1	Top of 2 in. casing	10		67½	Dom.	Flows 4 g.p.m. at barn
139.	6.0	Sept. 20	147	2	Top of concrete trough			70½	Dom.	
140.	3.9	Nov. 4	147	2	Top of well tee	4		67	Dom.	Well No. 11, Water Sup. Paper 576, p. 441
141.	16.7	Sept. 16	147	2	Top of faucet in barn lot	47		69	Dom.	Yield reported
142.	23.1	Nov. 8	139	1.5	Top of well tee	60		69¾	Dom.	
143.	8.7	Nov. 5	142	2	Top of well tee			67¾	Dom.	
144.	6	Nov. 5	147	0	Surface of ground		15(app.)		Dom.	
145.	12.4	Sept. 16	148	2.2	Top of faucet by kitchen	45		69	Dom.	
146.	+	Sept. 16	146	0		17			Dom.	Yield reported when drilled. Static head has declined
147.	11.75	Sept. 16	149	1	Tee at faucet at NE corner of shed	30		70½	Dom.	
148.	5.6	Sept. 20	147	2	Top of well tee				Dom.	
149.	16.8	Oct. 27	138	2.5	Top of well tee	16½		66¼	Dom.	
150.	+	Oct. 28	155			3		65	Dom.	Found flowing
151.	+	Oct. 26	139			15		66½	Dom.	Found flowing
152.	5.2	Oct. 26	144	0.6	Top of well tee	14½		68	Dom.	
153.	2.5	Oct. 27	142	5	Top of 2 in. casing	5		65¾	Dom.	Found flowing
154.	+	Oct. 27	139			15		67	Dom.	Found flowing
155.	4.5	Oct. 27	140	0.5	Top of 3 in. reducer	2		68	Dom.	
157.	1.3	Sept. 20	148	1.0	Top of well elbow	1		66½	Dom.	Used for watering lawn
158.	2	Sept. 20	148	1	Top of well tee			68	Dom.	
159.	9.8	Oct. 27	142	1.6	Top of 2 in. casing	5		67	Dom.	
161.	7.5	Oct. 11	140	2.5	Top of 2½ in. casing	20		65¼	Dom.	Found flowing
162.	3.7	Oct. 11	131	1.2	Top of well tee	2		64½	Dom.	

TABLE 23—RECORD OF WATER WELLS IN TALLAHATCHIE COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
163.	SE.1/4, SW.1/4, Sec.1, T.22 N., R. 1 E.	W. M. Bell		1916	4	.....	.....	.....	.....	.....	.....	Meridian(?)
164.	NW.1/4, NW.1/4, Sec.11, T.22 N., R. 1 E.	Mrs. Maude Phelen		1918	2	.....	.....	.....	.....	.....	.....	
165.	SE.1/4, SW.1/4, Sec.11, T.22 N., R. 1 E.	T. P. Cason		.....	4	.....	.....	.....	.....	.....	.....	
166.	SE.1/4, NE.1/4, Sec.13, T.22 N., R. 1 E.	Frank McClelland		1918	2	350	100(?)	.....	.....	.....	.....	Winona
167.	SE.1/4, NE.1/4, Sec.15, T.22 N., R. 1 E.	M. Thornton		.....	3	.....	.....	.....	.....	.....	.....	
168.	SE.1/4, SW.1/4, Sec.20, T.22 N., R. 1 E.	Dr. Basterville		1908	2	.....	.....	.....	.....	.....	.....	
169.	SE.1/4, NE.1/4, Sec.20, T.22 N., R. 1 E.	Dr. Basterville		.....	2	.....	.....	.....	.....	.....	.....	
170.	SE.1/4, NE.1/4, Sec.20, T.22 N., R. 1 E.	Dr. Basterville		.....	2	.....	.....	.....	.....	.....	.....	
171.	NW.1/4, SW.1/4, Sec.21, T.22 N., R. 1 E.	Phillipp Stave Mill	C. M. Journey	1931	2	613	613	.....	.....	64	Sand	Basic City
172.	SW.1/4, NW.1/4, Sec.21, T.22 N., R. 1 E.	Mrs. J. R. Moreland		1908	3	465	.....	.....	.....	.....	.....	Basic City
173.	NW.1/4, SW.1/4, Sec.21, T.22 N., R. 1 E.	Robert Williams		.....	2	.....	.....	.....	.....	.....	.....	
174.	SE.1/4, NW.1/4, Sec.21, T.22 N., R. 1 E.	Consolidated School	C. M. Journey	1928	2	1285(?)	.....	.....	60	.....	.....	Meridian
175.	SE.1/4, NW.1/4, Sec.21, T.22 N., R. 1 E.	Mrs. Adell Moreland	C. M. Journey	1930	3	1285(?)	.....	.....	.....	.....	.....	Meridian
176.	SE.1/4, NW.1/4, Sec.21, T.22 N., R. 1 E.	R. F. McClelland		.....	.....	700	.....	.....	.....	.....	.....	Basic City
177.	NW.1/4, NW.1/4, Sec.22, T.22 N., R. 1 E.	W. R. McBride		.....	2	700(?)	.....	.....	.....	.....	.....	Basic City
179.	NW.1/4, NE.1/4, Sec.31, T.21 N., R. 1 E.	L. O. Blaylock	Mr. Journey	.....	3	350	.....	.....	.....	.....	.....	
180.	SW.1/4, SW.1/4, Sec.32, T.21 N., R. 1 E.	J. F. Gates	E. Ratliff	1920	2½	710(app.)	.....	.....	.....	.....	White Sand	Basic City
181.	SW.1/4, NE.1/4, Sec.34, T.22 N., R. 1 E.	N. Houston		.....	2	.....	.....	.....	.....	.....	.....	
182.	NW.1/4, NW.1/4, Sec.35, T.22 N., R. 1 E.	Robert Williams		.....	2	350(?)	.....	.....	.....	.....	.....	Winona
183.	SW.1/4, SE.1/4, Sec.35, T.22 N., R. 1 E.	Claude Hall		.....	2	350(?)	.....	.....	.....	.....	.....	Basic City
184.	SE.1/4, NE.1/4, Sec.35, T.22 N., R. 1 E.	Claude Hall		.....	2	.....	.....	.....	.....	.....	.....	Winona

TABLE 23—RECORD OF WATER WELLS IN TALLAHATCHIE COUNTY—(Continued)

	Water Level		Measuring point			Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l	+ or − ground (feet)	Description					
163.	22.0	Oct. 27	141	3.8	Top of 2 in. well tee	30		68¼	Aban.	Found flowing
164.	6.2	Oct. 10	141	1	Top of well tee			68	Dom.	Found flowing about 10 g.p.m.
165.	+	Oct. 10				5		65	Dom.	Found flowing
166.	6(app.)	Oct. 11	136	1.5	Top of well tee				Dom.	
167.	7(app.)	Oct. 11	139	1	Top of 3 in. casing			66	Dom.	
168.	+					10		69	Dom.	Found flowing
169.	2.7	Oct. 11	142	0.5	Top of well tee	5		66¼	Dom.	
170.	25.3	Oct. 11	142	0.3	Top of well tee			69¾	Dom.	
171.	9.8	Oct. 10	141	1	Top of well tee	30		68½	Ind.	Yield reported when drilled
172.	4.5(app.)	Oct. 10	142	0	Top of well casing				Dom.	Supplies several families
173.	3.5	Oct. 11	142	2	Top of well tee	5		68	Dom.	Supplies several families
174.	21.0	Oct. 10	140	0	Top of well tee					Supplies school
175.	21.0	Oct. 11	140	0.9	Top of well tee			70¼	P. S.	Supplies about 5 families
176.	9.0	Oct. 10	142	0	Top of well tee			68	Dom.	Well head buried
177.	6.7(app.)	Oct. 10	144	2	Top of well tee				Dom.	
179.	+	Oct. 10	144			2				Gradual decline of static head reported
180.	5(app.)	Oct. 10	138	0	Top of well tee			68	Dom.	Decline of static head reported
181.	1.2	Oct. 12	141	4	Top of well tee	1		67	Dom.	Reported more than 30 years old
182.	4.6	Oct. 12	134	2.5	Top of well tee			67	Dom.	
183.	11.3	Oct. 12	140	0.7	Top of well cross	5		68	Dom.	
184.	4.3	Oct. 12	140	3.7	Top of well elbow	12.5		67¼	Dom.	Found flowing

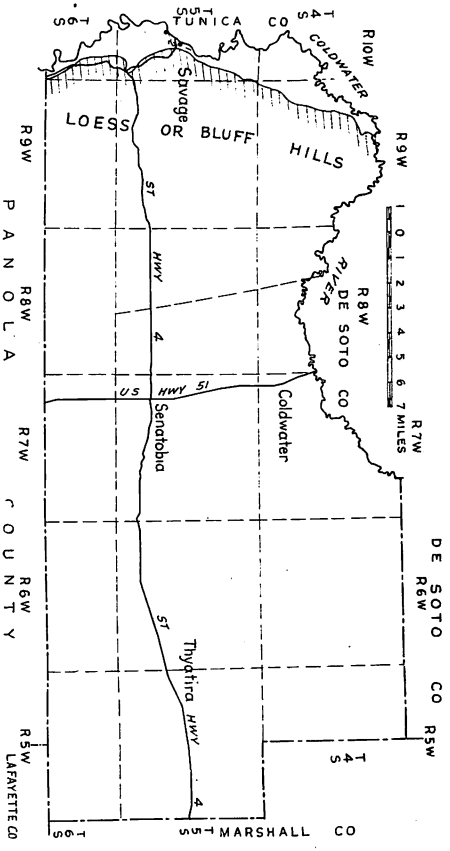


Figure 34.—Map of wells in Tate County.

TABLE 24—RECORD OF WATER WELLS IN TATE COUNTY

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed: Thick. (feet)	Material	Geologic form.
1.	SW.1/4, NW.1/4, Sec.23, T.5 S., R. 10 W.	J. N. Fewell	J. N. Fewell	1920	2½	840	840	780	60	80	Fine sand	Basic City
2.	SE.1/4, SE.1/4, Sec.22, T.5 S., R. 10 W.	W. G. Cocke	J. N. Fewell	1911	2½	500	.....	.....	.....	.....	.....	Kosciusko

TABLE 24—(Continued)

No.	Water Level: + or – meas. pt. (feet)	Water Level: Date measured	Measuring point: Feet above m.s.l	Measuring point: + or – ground (feet)	Measuring point: Description	Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
1.	.....	1939	.....	.....	.....	.....	.....	69	Dom.	Found flowing about 5 g.p.m. through sub-surface leak
2.	4(app.)	July 14	.....	.....	.....	1	.....	.....	Dom.	Well No. 11, Water Sup. Paper 576, p. 446

TABLE 25—RECORD OF WATER WELLS IN TUNICA COUNTY

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
1.	SE.1/4, NW.1/4, Sec.14, T.3 S., R. 10 W.	Gus Neely		1917	2½	1650	1650	1615	35	.....	Sand	Lower Wilcox
2.	SW.1/4, SE.1/4, Sec.13, T.3 S., R. 11 W.	K. & B. B. Stevenson	T. B. Minyard	1920	4	1638(?)	1638(?)	.....	.....	39	Sand	Lower Wilcox
3.	SE.1/4, SE.1/4, Sec.17, T.3 S., R. 11 W.	Abbay & Leatherman	Layne-Central	1934	2	1204	1204	1164	40	.....	Sand	Meridian
4.	SW.1/4, NE.1/4, Sec.17, T.3 S., R. 11 W.	Miss. River Levee Board	J. A. Pollard	1916	2	1675	.....	.....	.....	.....	Sand	Lower Wilcox
5.	SE.1/4, NW.1/4, Sec.19, T.3 S., R. 11 W.	Abbay & Leatherman		.....	.....	1680	.....	.....	.....	.....	Sand	Lower Wilcox
6.	NW.1/4, NE.1/4, Sec.21, T.3 S., R. 11 W.	Mrs. L. Andrews		.....	2	1650(?)	.....	.....	.....	.....	.....	Lower Wilcox
7.	NE.1/4, SE.1/4, Sec.29, T.3 S., R. 10 W.	H. K. Knowles	C. M. Journey	1937	2	1711	1711	1665	44	125	Sand	Lower Wilcox
7a.	SW.1/4, NE.1/4, Sec.26, T.3 S., R. 11 W.	C. P. Owen	C. M. Journey	1940	2	1706	1706	1666	40	106+	Sand	Lower Wilcox
8.	NE.1/4, NW.1/4, Sec.8, T.4 S., R. 11 W.	G. D. Perry, Sr.	C. M. Journey	1937	3	1700	.....	.....	.....	.....	Sand	Lower Wilcox
9.	NE.1/4, NW.1/4, Sec.18, T.4 S., R. 11 W.	G. D. Perry, Sr.	T. B. Minyard	1920	4	1800	.....	.....	.....	.....	Sand	Lower Wilcox
10.	SE.1/4, NE.1/4, Sec.13, T.4 S., R. 12 W.	Miss. River Levee Board		.....	4	600	.....	.....	.....	.....	.....	Kosciusko
10a.	SW.1/4, SW.1/4, Sec.15, T.4 S., R. 11 W.	Simpson Tate Estate	T. B. Minyard	.....	4½	1631	1631	.....	.....	.....	Sand	Lower Wilcox
11.	SE.1/4, SE.1/4, Sec.27, T.4 S., R. 10 W.	Y. & M. V. Railroad		1924	2	1800(?)	.....	.....	.....	.....	.....	Lower Wilcox
12.	SW.1/4, SE.1/4, Sec.32, T.4 S., R. 11 W.	Town of Tunica	J. A. Pollard	1918	6	1700	.....	.....	.....	.....	Sand	Lower Wilcox
13.	SW.1/4, NE.1/4, Sec.32, T.4 S., R. 11 W.	Planters Oil Mill		1930	4½	700	.....	.....	.....	.....	Fine sand	Kosciusko
13a.	SW.1/4, NE.1/4, Sec.32, T.4 S., R. 11 W.	Planters Mill Co.	T. B. Minyard	.....	4	500	342	303	54	51	Sand	Kosciusko
14.	SW.1/4, SE.1/4, Sec.32, T.4 S., R. 11 W.	Town of Tunica		.....	.....	865	.....	.....	.....	.....	White sand	Meridian

TABLE 25—RECORD OF WATER WELLS IN TUNICA COUNTY—(Continued)

	Water Level		Measuring point			Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l	+ or − ground (feet)	Description					
1.	21.5	July 15, 1939	198	1	Top of well tee	35	.....	.....	Dom.	Reported yield when drilled
2.	28.0	July 16	200	0	Top of well tee	.....	.....	.....	P. S.	Reported yield when drilled, 150 g.p.m. Static level, 30 ft. above surface of land
3.	25.0	March 7, 1940	197	0	Top of well tee	.....	.....	.....	Dom.	.....
4.	21.85	July 16, 1939	209	2	Top of well elbow	13	.....	76½	Aban.	Found flowing
5.	18.2	July 16	198	1	Top of 1¼ in. elbow	.....	.....	.....	Dom.	Mrs. M. S. Leatherman well. Water Supply Paper No. 576, p. 460
6.	20.7(app.)	July 16	202	4	Faucet by roadside	.....	.....	.....	Dom.	.....
7.	29.3	July 16	198	0	Top of well tee	55	.....	.....	Dom.	Reported yield when drilled
7a.	30(app.)	Jan. 25, 1940	200	0	Surface of land at well head	45	.....	.....	Dom.	3 in. casing landed at 1240 ft. Reported by driller
8.	32.5	July 16, 1939	192	0	Top of well tee	.....	.....	.....	Dom.	.....
9.	+	.....	.....	.....	.....	.....	.....	.....	Dom.	Well is pumped
10.	−20.0	July 16	.....	.....	Top of casing on slope of levee	.....	.....	.....	Aban.	Reported to have been a flowing well
10a.	+	.....	.....	.....	.....	.....	.....	.....	Dom.	.....
11.	35.65	July 15	192	2.6	Top of well elbow	60(app.)	.....	79	P. S.	Found flowing 3 g.p.m.
12.	29.5	July 11	194.63	.....	Top of 6 in. pipe union	.....	360	.....	P. S.	Described in Water Supply Paper 576, pp. 461, 462
13.	−27(app.)	1935	202.43	.....	Top of well tee	.....	300	.....	Ind.	.....
13a.	.....	.....	197.5	.....	Surface of land	.....	.....	.....	Ind.	.....
14.	−15(app.)	July 11, 1939	.....	.....	Top of concrete drinking fountain	.....	.....	.....	Drinking	Well is pumped with manual force pump

TABLE 25—RECORD OF WATER WELLS IN TUNICA COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
15.	NE.1/4, NW.1/4, Sec.36, T.4 S., R. 11 W.	Mrs. W. Quinn & others	J. A. Pollard	1917	3(?)	1740	.....	.....	.....	.....	Sand	Lower Wilcox
16.	SW.1/4, SE.1/4, Sec.2, T.5 S., R. 11 W.	G. D. Perry, Sr.	C. M. Journey	1939	3	1681	1681	1640	40	50	Sand	Lower Wilcox
17.	SW.1/4, SE.1/4, Sec.7, T.5 S., R. 11 W.	G. D. Perry, Sr.	C. M. Journey	1939	2	1806	1806	.....	.....	70	Sand	Lower Wilcox
18.	NE.1/4, SW.1/4, Sec.18, T.5 S., R. 11 W.	R. W. Owen & Son	J. A. Pollard	1922	6	1750	.....	.....	.....	.....	Sand	Lower Wilcox
19.	SW.1/4, SE.1/4, Sec.35, T.5 S., R. 12 W.	E. M. Hood	C. M. Journey	1938	2	1783	1783	1740	43	48	Sand	Lower Wilcox
20.	SW.1/4, SE.1/4, Sec.36, T.5 S., R. 12 W.	R. T. Fant		1909	4	1700	.....	.....	.....	.....	Sand	Lower Wilcox
20a.	SW.1/4, SE.1/4, Sec.36, T.5 S., R. 12 W.	R. T. Fant	C. M. Journey	1940	2	1798	1798	1758	40	64+	Sand	Lower Wilcox
21.	NE.1/4, SW.1/4, Sec.31, T.5 S., R. 11 W.	C. H. Bradshaw	Layne-Central	1937	3	880	880	.....	.....	.....	Sand	Basic City
22.	SE.1/4, SE.1/4, Sec.1, T.6 S., R. 13 W.	Mrs. A. Riley & others		.....	.....	1200	.....	.....	.....	.....	Sand	Meridian
23.	NE.1/4, NW.1/4, Sec.16, T.6 S., R. 11 W.	G. D. Perry. Jr.		1934	3	1690	1690	1624	65	85	Sand	Lower Wilcox
24.	SW.1/4, NW.1/4, Sec.13, T.6 S., R. 12 W.	E. G. Johnson	J. A. Pollard	1916	3	1300	.....	.....	.....	.....	Sand	Meridian
25.	SE.1/4, NW.1/4, Sec.14, T.6 S., R. 12 W.	E. J. Lake		.....	3	.....	.....	.....	.....	.....	.....	
27.	SW.1/4, NE.1/4, Sec.18, T.6 S., R. 12 W.	Norfleet-Midland Plantation		1925	2	1300(app.)	.....	.....	.....	.....	.....	Meridian
28.	SE.1/4, SW.1/4, Sec.27, T.6 S., R. 12 W.	Town of Dundee	Joe Theders(?)	1914	2	1090	.....	.....	20	.....	Sand	Meridian
29.	NW.1/4, NW.1/4, Sec.18, T.7 S., R. 11 W.	Harry & Irbine		.....	2	1096	934	665	61	755	Sand	Meridian
30.	NE.1/4, NE.1/4, Sec.30, T.6 S., R. 12 W.	E. P. Mangum Estate	C. M. Journey	.....	.....	1730	1730	.....	.....	54	Sand	Lower Wilcox

TABLE 25—RECORD OF WATER WELLS IN TUNICA COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.) Flow	Yield (g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l	+ or − ground (feet)	Description					
15.	32.7	July 15	195	1	Top of well elbow	.....	.....	.....	Dom.	
16.	36.0	May 8	187	0.5	Top of well tee	200	.....	.....	Dom.	Reported yield when drilled
17.	30.9	July 12	193	0.5	Top of well tee	.....	.....	.....	Dom.	
18.	28.5	July 11	194	1.2	Top of well elbow	.....	.....	.....	Dom.	
19.	35	Oct. 25, 1938	191	0	Top of well tee	45	.....	.....	Dom.	
20.	−	.....	.....	.....	.....	.....	15(app.)	.....	Dom.	Ceased flowing about 1937
20a.	32	1940	192	0	Surface of land at well head	50	.....	.....	Dom.	3 in. casing landed at 1260 feet. Reported by driller
21.	8(app.)	July 12, 1939	190	0	Floor of pump house	.....	15(app.)	.....	Dom.	
22.	1.8	July 12	185	0.5	Top of well tee	.....	15(app.)	.....	Dom.	Found flowing 1 g.p.m.
23.	33.9	July 14	186	−0.5	Top of well tee	72	.....	.....	Dom.	Reported yield when drilled
24.	+	July 14	.....	.....	.....	7	15(app.)	71	Dom.	Found flowing
25.	4(app.)	July 14	182	.....	Surface of land	3	15(app.)	70	Dom.	Found flowing
27.	1.8	July 12	184	1.2	Top of 2 in. well tee	.....	15(app.)	.....	Dom.	Found flowing 3 g.p.m.
28.	4.5(app.)	July 12	.....	.....	.....	.....	.....	.....	.....	Several small automatic pumps are connected to the well
29.	+	July 12	175	.....	.....	.....	15(app.)	.....	Dom.	Found leaking 5 g.p.m. Reported yield when drilled, 36 g.p.m. Static water level, 18 ft. above surface of land
30.	+	.....	185	.....	Surface of land	55	.....	.....	Dom.	

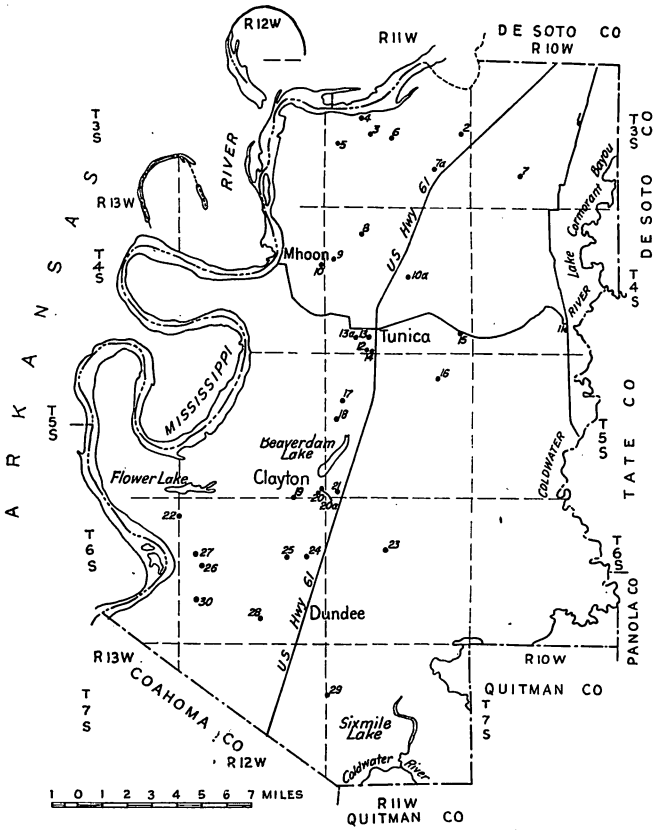


Figure 35.—Map of wells in Tunica County.

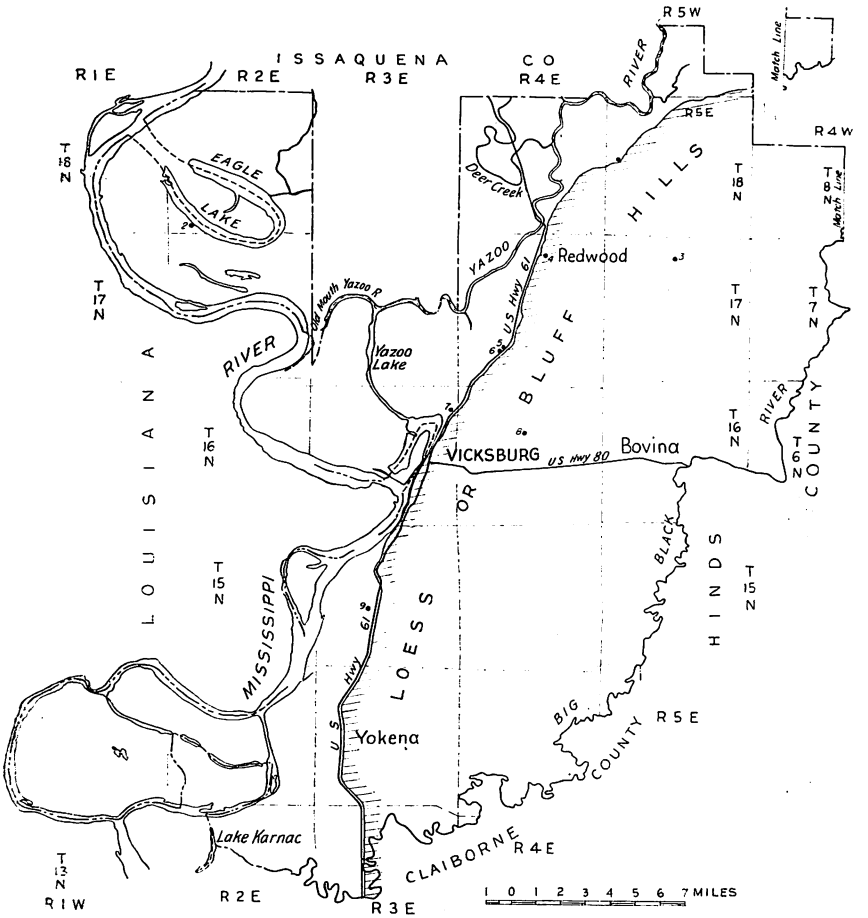


Figure 36.—Map of wells in Warren County.

TABLE 26—RECORD OF WATER WELLS IN WARREN COUNTY

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed: Thick. (feet)	Material	Geologic form.
1.	NE.1/4, SW.1/4, Sec.18, T.18 N., R. 5 E.	N. Simrall	C. M. Journey	1936	2	1076	1075	1030	44	66	Sand	Cockfield
2.	NE.1/4, SE.1/4, Sec.31, T.18 N., R. 2 E.	T. M. Morrissey	C. M. Journey	1938	2	1741	1741	1701	40	35	Sand	Kosciusko
3.	NE.1/4, SE.1/4, Sec.4, T.17 N., R. 5 E.	Oak Ridge School	C. M. Journey	1939	2	1534	1534	1454	20	114	.....	Cockfield
4.	SW.1/4, NE.1/4, Sec.3, T.17 N., R. 4 E.	Redwood School	C. M. Journey	1941	3	126	126	.....	.....	46	Gravel	Alluvium
5.	NW.1/4, NW.1/4, Sec.37, T.17 N., R. 4 E.	King Stave Mill	C. M. Journey	1937	2	1263	1263	1221	42	48	Sand	Cockfield
6.	SW.1/4, NW.1/4, Sec.37, T.17 N., R. 4 E.	Warren Co. Heading Co.	C. M. Journey	1937	4	1387	.....	.....	40	.....	Sand	Cockfield
7.	NW.1/4, NE.1/4, Sec.12, T.16 N., R. 3 E.	Anderson-Tully Lbr. Co.	Layne-Central	1939	.....	169	.....	.....	.....	19	Gravel	Alluvium
8.	NE.1/4, NW.1/4, Sec.17, T.16 N., R. 4 E.	Culkin Academy	C. M. Journey	1933	2	1131	1131	1091	40	15	Sand	Cockfield
9.	SW.1/4, Sec.20, T.15 N., R. 3 E.	Cedars	Layne-Bowler	1910	5	900	900	.....	.....	106	Sand	Cockfield

TABLE 26—(Continued)

No.	Water Level: + or – meas. pt. (feet)	Water Level: Date measured	Measuring point: Feet above m.s.l	Measuring point: + or – ground (feet)	Measuring point: Description	Yield Flow	Yield (g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
1.	–6.6	Feb. 1936	115	0	Surface of land	.....	41	.....	Dom.	
2.	50.6	Feb. 1939	97	1	Top of well tee	75	.....	92¼	Dom.	
3.	–	.....	.....	.....	.....	.....	.....	.....	School	
4.	–16	Sept. 1941	95	0	Surface of land	.....	.....	.....	School	
5.	+	.....	106	0	Surface of land	.....	.....	.....	Ind.	
6.	+	.....	106	0	Surface of land	.....	.....	89¼	Ind.	
7.	.....	.....	100	0	Surface of land	.....	.....	.....	Ind.	
8.	.....	.....	.....	.....	.....	.....	.....	.....	.....	
9.	+13.7	May 12, 1939	102	0.5	Top of well tee	.....	.....	84	Aban.	Well is on Glass salt dome. Chemical analysis of water

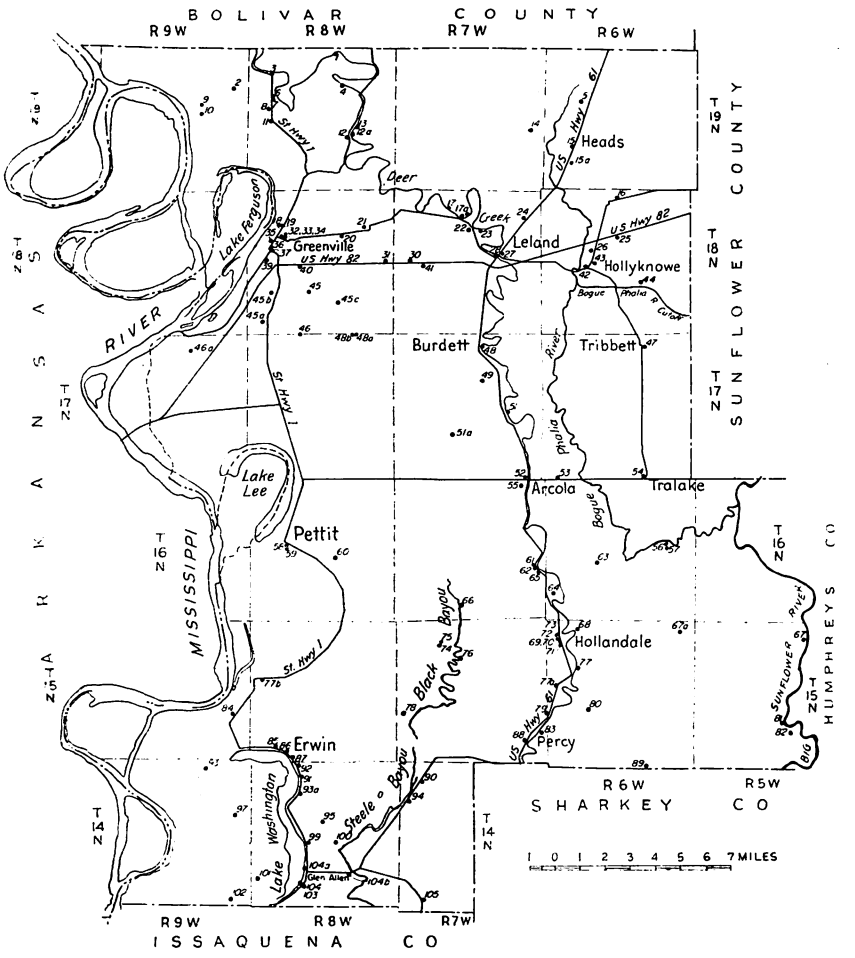


Figure 37.—Map of wells in Washington County.

TABLE 27—RECORD OF WATER WELLS IN WASHINGTON COUNTY

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
1.	NW.1/4, NE.1/4, Sec.3, T.19 N., R. 8 W.	Dever Dierks	Layne-Bowler	1914(?)	5	1700	.....	.....	.....	.....	Sand	Basic City
2.	NW.1/4, SE.1/4, Sec.26, T.19 N., R. 9 W.	Delta Pine & Land Co.		.....	2½	690	.....	.....	20	.....	Sand	Cockfield
3.	NE.1/4, NE.1/4, Sec.7, T.19 N., R. 8 W.	B. B. Payne	T. B. Minyard	1919	5	1865	.....	.....	.....	.....	Sand	Meridian
4.	NE.1/4, SE.1/4, Sec.10, T.19 N., R. 8 W.	Mrs. Clive Metcalfe	Layne-Bowler	1917	4	.....	.....	.....	20	.....	.....	Basic City(?)
5.	NE.1/4, NW.1/4, Sec.17, T.19 N., R 6 W.	G. R. Bland		.....	3	1572	1572	.....	.....	96	Sand	Kosciusko(?)
6.	NW.1/4, NW.1/4, Sec.17, T.19 N., R. 8 W.	Dr. Crockett	L. S. Journey	1933	2	478	478	.....	20	.....	Sand	Cockfield
7.	NW.1/4, NW.1/4, Sec.17, T.19 N., R. 8 W.	Mrs. Ann Bridges	Layne-Bowler	1914	4	1700	.....	.....	.....	.....	Sand	Basic City
8.	SE.1/4, SE.1/4, Sec.18, T.19 N., R. 8 W.	T. H. Golding	Kenneth Journey	1941	2	467	.....	.....	.....	.....	Sand	Cockfield
9.	SE.1/4, NW.1/4, Sec.19, T.19 N., R. 9 W.	V. M. Allen	A. L. Journey(?)	1938	2	485	475	465	10	.....	Sand	Cockfield
10.	NE.1/4, NE.1/4, Sec.19, T.19 N., R. 9 W.	B. S. Byrnes	C. M. Journey	1941	.....	530+	.....	.....	.....	.....	Sand	Cockfield
11.	NW.1/4, NW.1/4, Sec.20, T.19 N., R. 8 W.	Conn. Gen. Life Ins. Co.	C. M. Journey	.....	3	490	.....	.....	.....	.....	Sand	Cockfield
12.	NW.1/4, SW.1/4, Sec.23, T.19 N., R. 8 W.	R. A. Ireland	C. M. Journey	1936	2	570	.....	.....	.....	40	White Sand	Cockfield
12a.	NE.1/4, SW.1/4, Sec.23, T.19 N., R. 8 W.	Greenville Air Base	Layne-Central	1941	.....	595	.....	.....	.....	33	Coarse Sand	Cockfield
13.	NW.1/4, NE.1/4, Sec.23, T.19 N., R. 8 W.	George Metcalf	Layne-Bowler	1914	4	1643	1643	.....	40	.....	Sand	Basic City
14.	SE.1/4, NW.1/4, Sec.24, T.19 N., R. 7 W.	W. W. Bettis	C. M. Journey	1937	3	590	590	.....	.....	.....	Sand	Cockfield
15.	SW.1/4, SW.1/4, Sec.20, T.19 N., R. 6 W.	W. C. Neill	T. B. Minyard	1925	3	1730	.....	.....	.....	.....	Sand	Basic City
15a.	NW.1/4, SW.1/4, Sec.29, T.19 N., R. 6 W.	J. R. Brown	Delta Drilling Co.	1939	1¼	503	503	580	20	83	Sand	Cockfield
16.	SW.1/4, NW.1/4, Sec.3, T.18 N., R. 6 W.	J. W. Thompson	T. B. Minyard	1918	3	1692	1692	1530	108	.....	Sand	Basic City
17.	SW.1/4, SW.1/4, Sec.4, T.18 N., R. 7 W.	V. L. Weilenman & others	T. B. Minyard	1936	2	1736	1736	1593	93	.....	Sand	Basic City
17a.	NE.1/4, NE.1/4, Sec.9, T.18 N., R. 7 W.	Walker Dairy	Kenneth Journey	.....	.....	464	464	.....	.....	33+	Sand	Cockfield
18.	SE.1/4, NW.1/4, Sec.3, T.18 N., R. 9 W.	U. S. Gypsum Co.	C. M. Journey	1938	12	105	103	63	39	80	Sand & Gravel	Alluvium
19.	SE.1/4, NW.1/4, Sec.3, T.18 N., R. 9 W.	U. S. Gypsum Co.	Layne-Central	1929	12	500	500	420	80	.....	Sand	Cockfield
20.	SE.1/4, SE 1/4, Sec.12, T.18 N., R. 8 W.	L. Dettman & others	T. B. Minyard	.....	3	505	.....	.....	12	.....	Sand	Cockfield

TABLE 27—RECORD OF WATER WELLS IN WASHINGTON COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.) Flow	Yield (g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l	+ or − ground (feet)	Description					
1.	+	.....	135.4	.....	.....	.....	.....	89	Dom.....	
2.	−	.....	136.3	.....	.....	.....	10(app.)	.....	Dcm.....	
3.	46.3	May 5, 1939	135.0	1.3	Top of well tee.....	.....	.....	84	Dom.....	Casing diameter probably is reduced at depth
4.	37.8	May 5	132.5	1	Top of well tee.....	.....	.....	85½	Dom.....	
5.	27.8(app.)	May 10	125.1	2.5	Top of well tee.....	.....	.....	.....	Dom	Repd. static level of water when drilled 80 ft. above surface of land; yield, 148 g.p.m.
6.	−27(app.)	May 5	134.8	0	Level of land at well head.....	.....	.....	.....	Dom.....	Well No. 12. Water Sup. Paper 576, p. 480 Static level of water reported
7.	38.4	May 5	134.6	1.5	Top of well tee.....	.....	.....	.....	Dom	Reported static level of water when drilled 54 ft. above level of land
8.	−22.0	May 6	133.3	2	Top of 1 in. pipe.....	.....	7(app.)	.....	Dom.....	
9.	−15.94	May 6	130.2	0	Top of 1¼ in. bushing	.....	5(app.)	.....	Dom.....	
10.	.....	.....	132	.....	Surface of land.....	.....	.....	.....	Dom.....	
11.	−16.90	May 6	128.2	3	Top of union on base of pump.....	.....	10(app.)	.....	Dom.....	
12.	−20(app.)	Dec. 1938	128.0	.....	Level of land at well head.....	.....	.....	.....	Dom.....	Water is lifted by means of a windmill
12a.	.....	.....	.....	.....	.....	.....	.....	.....	.....	Test hole for air base water supply
13.	39.4	May 4, 1939	133.3	0	Top of well tee.....	.....	.....	86	Dom.....	Reported yield when drilled, 80 g.p.m.
14.	−11.67	May 10	121	1.8	Top of 1 in. tee.....	.....	7(app.)	.....	Dom.....	
15.	47.65	May 16	118.3	1	Top of well tee.....	.....	.....	.....	Dom.....	Reported static level of water when drilled, 72 ft. above level of land
15a.	−	.....	118	.....	Surface of land	.....	.....	.....	Dom.....	
16.	45.8	May 15	119.1	1.2	Top of well tee.....	.....	.....	.....	Dom.....	Reported yield when drilled, 60 g.p.m.
17.	46.9	May 6	128.0	1	Top of well tee.....	.....	.....	.....	Dom.....	Reported yield when drilled, 60 g.p.m. Static level more than 50 ft. above the surface of the land
17a.	.....	.....	123.6	.....	.....	.....	.....	62	Dom.....	
18.	−30(app.)	Apr. 24	123.6	0	Level of land at base of well pump.....	.....	700	.....	Ind.....	Static level of water and yield reported
19.	−25(app.)	Apr. 24	119.9	0	Level of land at base of well pump	.....	700	69	Ind.....	Static level of water and yield reported
20.	−19.8	May 5	122.9	2	Top of 2 in. elbow.....	.....	30(app.)	.....	P. S.....	Supplies 12 families

TABLE 27—RECORD OF WATER WELLS IN WASHINGTON COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
21.	SE.1/4, NE.1/4, Sec.13, T.18 N., R. 8 W.	H. K. Hammett	C. M. Journey	1934	2	486	486	465	21	61	Sand	Cockfield
22.	NW.1/4, SE.1/4, Sec.10, T.18 N., R. 7 W.	V. L. Weilenman & others	T B. Minyard	1915	6	1850	1840	1690	150	.....	Sand	Basic City
23.	NW.1/4, SE.1/4, Sec.10, T.18 N., R. 7 W.	U. S. Cotton Ginning Lab.	C. M. Journey	1934	2½	1820	1810	.....	140	.....	Sand	Basic City
24.	SE.1/4, NW.1/4, Sec.12, T.18 N., R. 7 W.	Planters Gin Co.	Layne-Central	1924	4	520	520	.....	20	.....	.....	Cockfield
25.	SW.1/4, SW.1/4, Sec.10, T.18 N., R. 6 W.	Wagner Plantations		1937	2	1660	1660	1660	60	.....	Sand	Basic City
26.	SW.1/4, NW.1/4, Sec.16, T.18 N., R. 6 W.	F. C. Wagner	T. B. Minyard	.....	6	1704	.....	.....	144	.....	Sand	Basic City
27.	NE.1/4, SW.1/4, Sec.14, T.18 N., R. 7 W.	Town of Leland	Layne-Central	1927	12	526	526	426	100	60	Sand	Cockfield
28.	SW.1/4, SW.1/4, Sec.14, T.18 N., R. 7 W.	Town of Leland	Layne-Central	1925	10	525	525	.....	80	.....	.....	Cockfield
30.	SW.1/4, SE.1/4, Sec.18, T.18 N., R. 7 W.	N. H. Hayes	C. M. Journey	1937	2	467	467	442	20	26	Sand	Cockfield
31.	SW.1/4, SE.1/4, Sec.15, T.18 N., R. 8 W.	Mrs. J. M. Robertshaw	T. B. Minyard	1933	1½	481	481	462	19	.....	Sand	Cockfield
32.	Intersection of Union and Carter Streets	City of Greenville	Layne-Central	1919	12	525	525	445	80	125	Sand	Cockfield
33.	Intersection of Hampgreen and Carter Streets	City of Greenville	Layne-Central	1932	12	520	520	440	80	76	Sand	Cockfield
34.	Intersection of Union and Carter Streets	City of Greenville	Layne-Central	1937	12	527	527	427	100	.....	Sand	Cockfield
35.	Alexander Street and railroad, Greenville	Itzig	T. B. Minyard	1937	4	517	517	.....	.....	72	Sand	Cockfield(?)
36.	Intersection of Y. & M. V. Railroad & Main Street	Greenville Ice & Coal Co.	Layne-Bowler	1914	6	550	.....	.....	40	.....	Sand	Cockfield
37.	Intersection of Y. & M. V. Railroad & Main Street	Greenville Ice & Coal Co.	Layne-Bowler	1915	4	90	.....	.....	....	.....	Sand & Gravel	Alluvium
39.	Intersection of Y. & M. V. Railroad & Broadway St.	Miss. Power & Light Co.		.....	8	529	529	.....	10	.....	Sand	Cockfield
40.	NW.1/4, NE.1/4, Sec.23, T.18 N., R. 8 W.	Greenville Dairy Prod.	Kenneth Journey	1941	1¼	444.5	444.5	424.5	20	83	Sand	Cockfield
41.	NW.1/4, NW.1/4, Sec.20, T.18 N., R. 7 W.	Mrs. J. P. Hammond	L. S. Journey	1933	2	540	540	500	40	.....	Sand	Cockfield
42.	NE.1/4. NE.1/4, Sec.20, T.18 N., R. 6 W.	W. B. Swain, Inc.	Layne-Bowler	1914	4	1677	1677	1533	70	37	Sand	Basic City
43.	NW.1/4, NW.1/4, Sec.21, T.18 N., R. 6 W.	W. B. Swain, Inc.	Layne-Central	1938	4	2106	2045	1502	59	21	Sand	Meridian
44.	NW.1/4, SW.1/4, Sec.23, T.18 N., R. 6 W.	W. H. Neill & Sons	T. B. Minyard	1925	4	1691	1690(?)	.....	.....	.....	Sand	Basic City
45.	NE.1/4, NW.1/4, Sec.30, T.18 N., R. 8 W.	T. Roman	T. B. Minyard	1937	2	483	483	453	20	.....	.....	Cockfield

TABLE 27—RECORD OF WATER WELLS IN WASHINGTON COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.)		Temp.	Use of	Other records and
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l	+ or − ground (feet)	Description	Flow	Pump	°F.	water	general information
21.	−18.36	May 6	123.5	1.1	Top of well tee	.....	20	.....	Dom.	
22.	47.6	May 6	127.9	2	Top of well tee	.....	.....	.....	P. S.	Well No. 21, Water Sup. Paper 576, p. 480
23.	51.3	May 10	123.8	−0.5	Top of well valve	86	.....	96	P. S.	Reported yield when drilled
24.	−14(app.)	July 1938	124.2	1	Top of 1½ in. well elbow	.....	.....	.....	Dom.	Reported static level of water when drilled
25.	42.3	May 15, 1939	122.9	0	Top of well tee	.....	.....	.....	Dom.	
26.	37.8	May 15	125.5	1.3	Top of well tee	.....	.....	85	Dom.	Casing diameter is probably reduced at depth
27.	−20(app.)	June, 1938	127.7	1	Top of pump base plate	.....	808	.....	P. S	Static level of water and yield reported
28.	−20(app.)	June, 1938	127.6	0.5	Top of pump base plate	.....	848	.....	P. S.	Static level of water and yield reported
30.	−12.5	.....	115	.....	.....	.....	.....	.....	.....	.....
31.	−15.53	May 16, 1939	119.6	1.3	Top of well elbow	.....	7(app.)	68	Dom.	
32.	−31(app.)	Mar. 2	124.7	1	Top of concrete pump base	.....	1500	.....	P. S.	Finished with gravel wall
33.	−	.....	132.1	.....	.....	.....	2100	.....	P. S.	Finished with gravel wall
34.	−37.7	Mar. 2	134.2	8	Top of pump base flange	.....	2300	.....	P. S.	Pump was stopped 1½ hrs. for measurement of static level of water
35.	−47.2	Sept. 1937	130	.....	.....	.....	.....	.....	Ind.	
36.	−31.8	May 7, 1939	131.1	0	Top of pump base plate	.....	250	.....	Ind.	Used for manufacture of ice
37.	−	.....	129.9	.....	Top of pump base plate	.....	90	.....	Ind.	Used for manufacture of ice
39.	−28(app.)	Mar. 1938	127.7	0	Surface of land at pump base	.....	1200	.....	Aban.	Static level of water and yield reported
40.	−26	Sept. 1941	127	.....	Surface of land at pump base	.....	.....	.....	Ind.	
41.	−14.26	May 16, 1939	118.7	1.3	Top of 1 in. pipe on well head	.....	7(app.)	.....	Dom.	Supplies 2 families
42.	43.6	May 15	118.8	2.3	Top of well cross	.....	.....	88	Dom.	Well No. 15, Water Sup. Paper 576, p. 480
43.	69.1	May 15	119.2	0.9	Top of well casing	96	.....	80.5	Dom.	Finished with three screens
44.	39.2	May 11	128.2	0.8	Top of well tee	.....	.....	.....	Dom.	Static level, 74 ft. above surface; yield, 75 g.p.m. when drilled
45.	−22(app.)	Mar. 1937	119.2	0	Surface of land at pump base	.....	10	.....	Dom.	Static level of water reported

TABLE 27—RECORD OF WATER WELLS IN WASHINGTON COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
45a.	Center NE.1/4, Sec.33 T.18 N., R. 8 W.	Marvin Rosenberg	Kenneth Journey	1941	2	370	.....	.....	.....	.....	.....	Cockfield(?)
45b.	NE.1/4, NE.1/4, Sec.32, T.18 N., R. 8 W.	Gooch Lumber Co.	T. B. Minyard	1926	4	513	495	433	62	85	Sand	Cockfield
45c.	NW.1/4, SW.1/4, Sec.28, T.18 N., R. 8 W.	Ellis Rivers	Delta Drilling Co.	1941	1¼	455	455	443	12	24+	Sand	Cockfield
46.	SW.1/4, SW.1/4, Sec.35, T.18 N., R. 8 W.	W. Baskin	T. B. Minyard	1936	3	499	499	479	20	35	Sand	Cockfield
46a.	W. Center Sec.16, T.17 N., R. 9 W.	P. L. Bell	C. M. Journey	1936	2	439	439	417	18	42	Sand	Cockfield
47.	SW.1/4, NW.1/4, Sec.2, T.17 N., R. 6 W.	Dean & Walker	T. B. Minyard	1919	4	1792	1792	.....	40	.....	Sand	Basic City
48.	NE.1/4, SW.1/4, Sec.3, T.17 N., R. 7 W.	J. H. Aldridge	Mr. Berry	1911	4–1½	1924	1924	.....	100	.....	Green Sand	Basic City
48a.	NE.1/4, NW.1/4, Sec.7, T.17 N., R. 8 W.	E. H. Fisher	Delta Drilling Co.	1939	2	470	470	.....	.....	30+	Sand	Cockfield
48b.	NE.1/4, NW.1/4, Sec.7, T.17 N R. 8 W.	E. H. Fisher	Charles Perkins	1939	.....	1929	.....	.....	.....	.....	.....	
49.	SW.1/4, SE.1/4, Sec.10, T.17 N., R. 7 W.	Mr. Bennett		.....	5	800(?)	.....	.....	.....	.....	.....	Cockfield
51.	NW.1/4, NE.1/4, Sec.23, T.17 N., R. 7 W.	J. A. Aldridge & others	T. B. Minyard	1916	2½	1901	1901	.....	20	.....	Sand	Basic City
51a.	SW.1/4, SW.1/4, Sec.21, T.17 N., R. 7 W.	Frank Bighelm	T. B. Minyard	1937	2	451	451	418	.....	34.4	Sand	Cockfield
52.	SE.1/4, SW.1/4, Sec.36, T.17 N., R. 7 W.	Town of Arcola	Layne-Central	1937	6	650	650	.....	40	.....	Sand	Cockfield
53.	SW.1/4, SE.1/4, Sec.31, T.17 N., R. 6 W.	E. W. Wood & Co.	T. B. Minyard	1916	6	1500(?)	.....	.....	.....	.....	Sand	Basic City
54.	SW.1/4, SW.1/4, Sec.35, T.17 N., R. 6 W.	Will Percy	T. B. Minyard	1917	6	1917	1917	.....	.....	.....	Sand	Basic City & Kosciusko
55.	NW.1/4, NW.1/4, Sec.1, T.16 N., R. 7 W.	Arcola Gin Co.		.....	3	420	.....	.....	.....	.....	Sand	Cockfield
56.	SE.1/4, SE.1/4, Sec.14, T.16 N., R. 6 W.	Robbs and Powers	T. B Minyard	1916	4	502	475	407	41	327	Sand	Cockfield(?)
57.	SE.1/4, SE.1/4, Sec.14, T.16 N., R. 6 W.	Robbs and Powers	Owner	1938	1¼	34	34	21	13	.....	Sand & Gravel	Alluvium
58.	NW.1/4, NE.1/4, Sec.5, T.16 N., R. 9 W.	Consolidated School		1920	3	1100(app.)	.....	.....	.....	.....	Sand	Kosciusko
59.	NW.1/4, NE.1/4, Sec.5, T.16 N., R. 9 W.	Riverside School	T. B. Minyard	1934	4	1162	1162	1118	.....	150	Sand	Kosciusko
60.	SW.1/4, NE.1/4, Sec.22, T.16 N., R. 8 W.	Robert Patterson		.....	4	1100(app.)	.....	.....	.....	.....	.....	Kosciusko
61.	SW.1/4, SE.1/4, Sec.24, T.16 N., R. 7 W.	R. N. Aldridge	Mr. Bell	1908	2	1228	1228	.....	20	.....	White Sand	Kosciusko
62.	SW.1/4, SE.1/4, Sec.24, T.16 N., R. 7 W.	Delta Pine & Land Co.	T. B. Minyard	.....	6	1700(?)	.....	.....	.....	.....	.....	Meridian(?)

TABLE 27—RECORD OF WATER WELLS IN WASHINGTON COUNTY—(Continued)

	Water Level		Measuring point			Yield	(g.p.m.)	Temp.	Use of	Other records and
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l	+ or − ground (feet)	Description	Flow	Pump	°F.	water	general information
45a.	.....	.....	.....	.....	.....	.....	.....	.....	Dom.	
45b.	−13.0	July 28, 1941	118.0	.....	.....	.....	.....	.....	Ind.	
45c.	.....	.....	.....	.....	.....	.....	.....	.....	.....	
46.	−15.3	April 28, 1939	120.3	0	Top of 3 in. well bushing	.....	30	.....	Dom.	Completed with a gravel screen
46a.	.....	.....	125	.....	.....	.....	.....	.....	Dom.	Equipped with deep well pump
47.	43.0	May 11	117	0	Base of concrete block by well	.....	.....	.....	Dom.	Casing diameter probably is reduced at depth
48.	28.9	Mar. 9	123	3.4	Top of well cross	.....	.....	92	Dom.	Well No. 2, Water Supply Paper 576, p. 480. Well was deepened in 1940
48a.	−12(app.)	Dec. 1	115	0	Surface of land at well head	.....	17	.....	Dom.	
48b.	+	.....	.....	.....	.....	.....	.....	.....	Aban.	Test hole
49.	−12.14	Mar. 9	117.1	1	Top of casing	.....	.....	.....	Aban.	
51.	60.2	Mar. 9	124.0	2.0	Top of well tee	165	.....	94	Dom.	
51a.	.....	.....	.....	.....	.....	.....	.....	.....	.....	
52.	−4(app.)	March	125.3	6.4	Base of pump	.....	150	.....	P. S.	Static level of water reported
53.	64.7	Mar. 8	113	1.5	Top of well tee	120	.....	84	Dom.	
54.	34.6	Mar. 8	110.4	2.0	Top of well tee	.....	.....	.....	Dom.	Casing diameter probably is reduced
55.	−18(app.)	Aug. 1938	119.5	2.5	Top of 4 in. casing	.....	17	.....	Dom.	Well No. 1, Water Sup. Paper 576, p. 480
56.	−13.4	March 7, 1939	101.5	0.7	Top of 6 in. casing	.....	.....	.....	Dom.	
57.	−16.0	Mar. 7	105.0	2.7	Top of 1¼ in. driven casing	.....	pitcher	.....	Dom.	
58.	−1.0	Apr. 27	114	1.3	Top of well bushing	.....	pitcher	.....	Drinking	
59.	0	Apr. 27	113	0	Top of well plug	.....	30(app.)	76	School	Reported yield when drilled, 8 g.p.m. Static water level, 4 ft. above surf. of land
60.	−1.5	Apr. 27	112.0	3.5	Top of 4 in. casing	.....	7(app.)	.....	Dom.	Reported to have stopped flowing in 1927
61.	−9(app.)	Mar. 8	119.3	0	Surface of land at well head	.....	15(app.)	.....	Dom.	Static level of water reported
62.	84.6	Mar. 7	119.9	1.5	Top of well tee	.....	.....	94	Dom.	Casing diameter probably is reduced at depth

TABLE 27—RECORD OF WATER WELLS IN WASHINGTON COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
63.	NW.1/4, SW.1/4, Sec.21, T.16 N., R. 6 W.	Delta Pine & Land Co.		.....	6(?)	600	.....	.....	.....	.....	Sand	Cockfield
64.	SE.1/4, SW.1/4, Sec.30, T.16 N., R. 6 W.	Jones & Rickett	Charles Perkins	1937	4	1877	1877	.....	.....	77	Sand	Meridian
65.	NE.1/4, NE.1/4, Sec.25, T.16 N., R. 7 W.	W. D. Atterbury	A. M. Lockett Co.	1908	5	1950	1950	.....	35	.....	Sand	Meridian
66.	SW.1/4, NE.1/4, Sec.33, T.16 N., R. 7 W.	T. B. Sanders		.....	6	.....	.....	.....	.....	.....	.....	
67.	SE.1/4, SW.1/4, Sec.2, T.15 N., R. 5 W.	American Legion	T. B. Minyard	1916	6	686	686	579	63	113.5	Sand	Kosciusko
67a.	SE.1/4, NW.1/4, Sec.1, T.15 N., R. 6 W.	W. D. Powers		1939	2	452	452	.....	.....	38+	Sand	Cockfield
68.	SE.1/4, NW.1/4, Sec.5, T.15 N., R. 6 W.	K. D. Alexander	Mr. Wise	1913	4½	1700+ (app.)	1700+	.....	20	.....	Sand	Meridian
69.	SW.1/4, SE.1/4, Sec.6, T.15 N., R. 6 W.	Town of Hollandale	Layne-Central	1924	8	348	348	268	80	.....	Sand	Cockfield
70.	SW.1/4, SE.1/4, Sec.6, T.15 N., R. 6 W.	Town of Hollandale	Ed Stinson	1900	6	360.7	362	332(?)	30(?)	.....	Sand	Cockfield
71.	SW.1/4, SE.1/4, Sec.6, T.15 N., R. 6 W.	Town of Hollandale	Charles Perkins	1939	4	1690	1682	1642	40	66	Sand	Meridian
72.	SW.1/4, SE.1/4, Sec.6, T.15 N., R. 6 W.	E. W. Scott	Owner	1926	6	362	362	322	40	.....	Sand	Cockfield
73.	NE.1/4, SW.1/4, Sec.6, T.15 N., R. 6 W.	Hollandale Oil Mill	Charles Perkins	1936	6	1722	1722	.....	.....	+49	Sand	Meridian
74.	NE.1/4, NE.1/4, Sec.8, T.15 N., R. 7 W.	LeRoy Percy State Park	V. C. Mickle	1937	6	350	350	310	40	24	Sand	Cockfield
75.	NE.1/4, NE.1/4, Sec.8, T.15 N., R. 7 W.	LeRoy Percy State Park	Weaver Drilling Co.	1934	4	1719	1719	1687	32	66	Sand	Meridian
76.	NW.1/4, SE.1/4, Sec.9, T.15 N., R. 7 W.	LeRoy Percy State Park	C. M. Journey	1934	2	387	387	365	22	37	Sand	Cockfield
77.	SE.1/4, SW.1/4, Sec.8, T.15 N., R. 6 W.	Torry Wood & Son	C. M. Journey	1936	2	546	546	514	31	31	Sand	Wautubbee(?)
77a.	NE.1/4, SW.1/4, Sec.18, T.15 N., R. 6 W.	T. J. Hays	Delta Drilling Co.	1939	2	752	752	.....	10	103	Sand	Kosciusko
77b.	NE.1/4, SW.1/4, Sec.18, T.15 N., R. 8 W.	J. C. Hoagland	T. B. Minyard	1919	3	980	980	.....	.....	.....	.....	Kosciusko
78.	SW.1/4, SW.1/4, Sec.19, T.15 N., R. 7 W.	M. L. Virden	T. B. Minyard	1919	3	854	854	.....	40	.....	Sand	Kosciusko
79.	SE.1/4, SE.1/4, Sec.24, T.15 N., R. 7 W.	Jones & Rickett	Charles Perkins	1939	3	780	780	758	22	.....	Sand	Kosciusko
80.	NE.1/4, SE.1/4, Sec.20, T.15 N., R. 6 W.	M. A. Treadway	C. M. Journey	1938	2	783	783	.....	.....	116	Sand	Kosciusko
81.	NE.1/4, NW.1/4, Sec.27, T.15 N., R. 5 W.	Torry Wood & Son	C. M. Journey	1937	2½	920	920	869	51	69	Sand	Kosciusko
82.	NE.1/4, SE.1/4, Sec.27, T.15 N., R. 5 W.	J. W. Jordan	C. M. Journey	1937	2	966	966	926	40	41	Sand	Kosciusko

TABLE 27—RECORD OF WATER WELLS IN WASHINGTON COUNTY—(Continued)

	Water Level		Measuring point			Yield (g.p.m.) Flow	Yield (g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l	+ or − ground (feet)	Description					
63.	−23(app.)	June, 1937	111	0	Surface of land at well head	.....	17	.....	Dom.	Static level of water reported
64.	89.1	March 8, 1939	117	1.6	Top of well tee	.....	.....	.....	Dom.	
65.	77.7	Mar. 8	122.1	2.4	Top of well tee	104	.....	96	Dom.	
66.	−4.16	Mar. 8	105	0	Top of 6 in. casing	.....	pitcher	.....	Dom.	
67.	−21.8	Mar. 7	105	2.3	Top of 1½ in. pipe on well head	.....	.....	.....	Dom.	Two pumps are connected to the well
67a.	−18.5(app.)	Nov. 7	103	0	Surface of land at well head	.....	8	.....	Dom.	Reduced to 1¼ in. at depth. Reported by driller
68.	82.1	Mar. 7	118.6	1.4	Top of well cross	164	.....	.....	Dom.	
69.	−30(app.)	Sept. 15, 1938	119.4	5.9	Top of pump base plate	.....	263	.....	P. S.	Static level of water reported
70.	−24.18	March 2, 1939	121	5.5	Top of concrete pump base	.....	.....	.....	Aban.	Well No. 13, Water Sup. Paper 576, p. 480
71.	96.0	August 5, 1939	115.0	2	Top of well tee	290	.....	93¾	P. S.	Yield reported
72.	−18(app.)	Sept. 15, 1938	114	0	Surface of land at well head	.....	125	69½	Ind.	Used for manufacture of ice
73.	96.7	Sept. 15, 1938	115.4	1	Top of well cross	800	.....	93	Ind.	Yield reported
74.	−	.....	107.4	.....	.....	.....	330	.....	.....	Used for public swimming pool
75.	94.8	Feb. 24, 1939	108.7	2.7	Top of well elbow	150	.....	97	Park	Yield reported. Well No. 74 in progress report of State Planning Commission
76.	−	Feb. 27, 1939	108.3	1.3	Top of 1½ in. pipe at well head	.....	.....	.....	Aban.	
77.	−24.8	Dec. 9, 1938	117.8	1.3	Top of elbow on air line	.....	.....	.....	Dom.	
77a.	1(app.)	Nov. 30, 1939	112	0	Surface of land at well head	.....	17	.....	Dom.	Reported by driller
77b.	−	.....	.....	.....	.....	.....	.....	.....	Dom.	Formerly a flowing well
78.	4.8	Feb. 24, 1939	110.3	1.8	Top of well tee	10	.....	.....	Dom.	
79.	3(app.)	March 5, 1939	113.5	0	Surface of land at well head	.....	.....	.....	Dom.	Reported static level of water
80.	0.4	Dec. 9, 1938	114.9	1.3	Top of well tee	4	8	66¾	Dom.	
81.	8.9	Dec. 9, 1938	109.6	2.4	Top of faucet by well head	50	.....	.....	Dom.	Reported yield when drilled
82.	14.1	Dec. 9, 1938	103.8	0	Top of well tee	37	.....	.....	Dom.	Reported yield when drilled

TABLE 27—RECORD OF WATER WELLS IN WASHINGTON COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
83.	NE.1/4, SE.1/4, Sec.25, T.15 N., R. 7 W.	E. G. Gainer		.....	3	708	.....	.....	.....	.....	Sand	Kosciusko
84.	NE.1/4, NW.1/4, Sec.13, T.15 N., R. 9 W.	Mr. Bemus	T. B Minyard	.....	3.2	1234	1234	.....	60	.....	Sand	Kosciusko
85.	SW.1/4, NW.1/4, Sec.32, T.15 N., R. 8 W.	Mrs. E. W. Crozier		1905(?)	4	1300	.....	.....	.....	.....	Sand	Kosciusko
86.	NW.1/4, SE.1/4, Sec.32, T.15 N., R. 8 W.	J. W. Erwin		.....	1¼	35	35	30	5	.....	Sand & Gravel	Alluvium
87.	SW.1/4, SE.1/4, Sec.32, T.15 N., R. 8 W.	E. E. Triplett	Charles Perkins	1937	.....	900	.....	.....	.....	.....	Sand	Kosciusko(?)
88.	NW.1/4, NW.1/4, Sec.36, T.15 N., R. 7 W.	Julius Thompson	T. B. Minyard	.....	3	1006	.....	994	50	.....	Sand	Kosciusko
89.	SW.1/4, SW.1/4, Sec.35, T.15 N., R. 6 W.	L. S. Hemphill		1910	.....	700	.....	.....	.....	.....	Sand	Kosciusko(?)
90.	NE.1/4, SE.1/4, Sec.6, T.14 N., R. 7 W.	C. N. Gerald	Layne-Bowler	1914	4	1200(?)	.....	.....	.....	.....	.....	
91.	NW.1/4, NW.1/4, Sec.2, T.14 N., R. 8 W.	N. C. Skinner	Charles Perkins	1939	3	875	875	845	30	.....	Sand	Kosciusko
92.	SW.1/4, NW.1/4, Sec.1, T.14 N., R. 8 W.	Mrs. Mary Lee		1915	4	.....	.....	.....	.....	.....	.....	
93.	SE.1/4, NW.1/4, Sec.14, T.14 N., R. 9 W.	Stein Bros.	T. B. Minyard	1928	3	1215	.....	.....	60	.....	Sand	Kosciusko
93a.	NW.1/4, NW.1/4, Sec.3, T.14 N., R. 9 W.	D. C. Miller	Charles Perkins	1939	2	1035	1035	995	40	75	Coarse Sand	Kosciusko
94.	NE.1/4, SW.1/4, Sec.7, T.14 N., R. 7 W.	N. D. Life Ins. Co.	Layne-Bowler	1910	4	1200	.....	.....	.....	.....	Sand	Kosciusko
95.	SW.1/4, NE.1/4, Sec.4, T.14 N., R. 8 W.	J. O. Goshorn		1900(?)	4	850	.....	.....	.....	.....	Sand	Kosciusko
97.	SE.1/4, NW.1/4, Sec.24, T.14 N., R. 9 W.	Ben Gildart	Mr. Martin	1919	4	850(app.)	.....	.....	.....	.....	Sand	Kosciusko
99.	SW.1/4, NW.1/4, Sec.6, T.14 N., R. 8 W.	P. L. Mann	.....	1919	2½	850	.....	.....	40	.....	Sand	Kosciusko
100.	NE.1/4. NE.1/4, Sec.6, T.14 N., R. 8 W.	R. L. Jordan	.....	1917	3	1100	.....	600	.....	.....	Sand	Kosciusko
101.	SE.1/4, SW.1/4, Sec.13, T.14 N., R. 8 W.	George Uzzele	Layne-Central	1920(?)	.....	800	.....	.....	.....	.....	Sand	Kosciusko
102.	SW.1/4, SW.1/4, Sec.31, T.11 N., R. 9 W.	Mrs. M. H. Williams		1914	3	820	.....	.....	.....	.....	Sand	Kosciusko
103.	NW.1/4, NW.1/4, Sec.9, T.14 N., R. 8 W.	Glen Allen Oil Mill	Charles Perkins	1937	6	1786	1786	.....	.....	46	White coarse sand	Meridian
104.	NW.1/4, NW.1/4, Sec.9, T.14 N., R. 8 W.	Glen Allen Oil Mill	.....	.....	6	.....	.....	.....	.....	.....	.....	
104a.	SW.1/4, SW.1/4, Sec.7, T.14 N., R. 8 W.	J. M. Jeffreys	Charles Perkins	1940	2½	1848	1848	1808	40	.....	Sand	Meridian
104b.	W. Center Sec.32, T.14 N., R. 8 W.	H. Bently	Charles Perkins	1939	3	458	458	.....	.....	30	Sand	Cockfield
105.	NE.1/4, SE.1/4, Sec.31, T.11 N., R. 7 W.	J. C. Johnson	.....	1919	2½	768	.....	.....	.....	.....	Sand	Kosciusko

TABLE 27—RECORD OF WATER WELLS IN WASHINGTON COUNTY—(Continued)

	Water Level		Measuring point			Yield	(g.p.m.)	Temp.	Use of	
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l	+ or − ground (feet)	Description	Flow	Pump	°F.	water	Other records and general information
83.	2.8	March 6, 1939	113.2	2.2	Top of well tee	.....	.....	.....	Dom.	
84.	2.5	April 27, 1939	113.8	1.5	Top of well elbow	.....	.....	.....	Dom.	Reported static level of water in 1922, 10 ft. above land surface. Reported yield when drilled, 11 g.p.m.
85.	1.75	April 25, 1939	116.9	2.6	Top of ¾ in. bushing on well head	.....	.....	.....	Dom.	Casing diameter may be reduced at depth
86.	−7(app.)	April 25, 1939	115.2	0	Surface of land at well head	.....	7	.....	Dom.	Static level of water reported
87.	−2.5	April 25, 1939	114.9	0	Top of 1 in. pipe on well head	.....	7	73	Dom.	Reported to flow during rainy season
88.	4.3	March 5, 1939	113.5	0.3	Top of well cross	12	.....	.....	Dom.	Hydraulic ram is connected to the well. Reptd. yield when drilled, 45 g.p.m. Static level, 14.5 ft. above the surface of the land
89.	9.5	March 3, 1939	107.0	1.0	Top of well tee	.....	.....	.....	Dom.	
90.	7.6	Feb. 24, 1939	109.4	1	Top of well cross	.....	.....	.....	Dom.	
91.	0.8	April 25, 1939	116.5	2.5	Top of 1 in. tee on well head	.....	10	68¼	Dom.	
92.	2.6	April 25, 1939	114.4	1.7	Top of well tee	.....	.....	72	Dom.	
93.	8.5	April 27, 1939	107.0	0.5	Top of well tee	20	.....	72	Dom.	Reported static level of water when drilled, 16 ft. above land surface
93a.	10	Fall, 1939	118	0	Surface of land at well head	73	.....	.....	Dom.	4 in. casing landed at 823 feet. Reported by driller
94.	5.1	Feb. 24, 1939	112.1	2	Top of well cross	.....	.....	.....	Dom.	Casing diameter probably is reduced at depth
95.	1.4	April 25, 1939	114.5	2.9	Top of well tee	.....	.....	69½	Dom.	Reported static level of water when drilled, 18 ft. above land surface
97.	1.6	April 27, 1939	117	1.6	Top of well tee	.....	10	76¼	Dom.	Reported decline in static level of water
99.	0.0	April 25, 1939	117	1.5	Top of well tee	.....	7	75½	Dom.	Reported static level of water when drilled, 20 ft. above land surface
100.	8.0	April 25, 1939	109.5	1.2	Top of well tee	.....	.....	75	Dom.	Finished with two screens
101.	20.3	April 27, 1939	97.8	0	Top of overflow pipe in swale	5	.....	73½	Dom.	
102.	3.0	April 27, 1939	116.8	4.6	Top of well tee	.....	7	76	Dom.	Found flowing about 10 g.p.m.
103.	+	.....	109.1	.....	.....	.....	.....	98¾	P. S.	Found flowing about 10 g.p.m.
104.	+	.....	112	.....	Surface of land	.....	.....	80	.....	Abandoned and leaking at surface
104a.	97.7	June 25, 1940	105	.....	Top of 4 in. well tee	100	.....	.....	Dom.	Found flowing
104b.	−12(app.)	1939	111	.....	Surface of land at well head	.....	7	.....	Dom.	Reported by driller
105.	10.0	Feb. 24, 1939	107	0.3	Top of well cross	13	.....	.....	Dom.	May have been deepened in 1928. Well No. 5, Water Supply Paper 576, p. 480

TABLE 28—RECORD OF WATER WELLS IN YAZOO COUNTY

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
1.	SW.1/4, SE.1/4, Sec.8, T.13 N., R. 1 W.	M. C. Brister	T. B. Minyard	1938	2½	835	835	775	18	32	Sand	Kosciusko
1a.	NE.1/4, NE.1/4, Sec.10, T.13 N., R. 2 W.	C. H. Phillips	T. B. Minyard	1937	2	778	778	732	42	228	Sand	Kosciusko
2.	SE.1/4, SW.1/4, Sec.8, T.13 N., R. 1 W.	Town of Eden		1905	2	800	.....	.....	.....	.....	Sand	Kosciusko
2a.	SW.1/4, SE.1/4, Sec.11, T.13 N., R. 2 W.	C. E. Hines	T. B. Minyard	1937	3	806	806	.....	.....	55	Sand	Kosciusko
3.	NE.1/4, SE.1/4, Sec.24, T.13 N., R. 2 W.	F. O. Seward	T. B. Minyard	1925	2	788	724	.....	70	87+	Sand	Kosciusko
3a.	NW.1/4, SE.1/4, Sec.21, T.13 N., R. 2 W.	C. E. Hines	T. B. Minyard	.....	2	818	818	777	41	40	Sand	Kosciusko
4.	SW.1/4, NE.1/4, Sec.4, T.12 N., R. 4 W.	E. E. Nixon	W. F. Linsenmeyer	1925	4	1200(?)	.....	.....	.....	.....	Sand	Kosciusko
5.	NE.1/4, SW.1/4, Sec.10, T.12 N., R. 2 W.	Joseph W. Coker		1911	2½	780	780	.....	.....	.....	Sand	Kosciusko
6.	NW.1/4, NE.1/4, Sec.8, T.12 N., R. 3 W.	John Erickson	W. F. Linsenmeyer	1920	3	1370	.....	.....	.....	.....	Sand	Kosciusko
7.	SE.1/4, NE.1/4, Sec.13, T.12 N., R. 5 W.	J. W. Crawford	W. F. Linsenmeyer	1916	6	1276	1276	1251	25	.....	Sand	Kosciusko
8.	SE.1/4, NW.1/4, Sec.15, T.12 N., R. 3 W.	H. D. Morgan	T. B. Minyard	1920	3	940	940	900	40	40	Green Sand	Wautubbee(?)
9.	NW.1/4, SE.1/4, Sec.15, T.12 N., R. 2 W.	James Regan	T. B. Minyard	1926	4	908	908	.....	80	113	Sand	Kosciusko
10.	NW.1/4, SW.1/4, Sec.22, T.12 N., R. 2 W.	M. J. Kern		.....	3	.....	.....	.....	.....	.....	.....	
11.	NW.1/4, NE.1/4, Sec.21, T.12 N., R. 2 W.	James Swaye	W. F. Linsenmeyer	.....	2½	900	900	.....	.....	.....	Sand	Kosciusko
12.	NW.1/4, NW.1/4, Sec.23, T.12 N., R. 3 W.	Mrs. C. S. Coker	T. B. Minyard	.....	2½	1049	1049	969	.....	86	Sand	Kosciusko
13.	NW.1/4, NW.1/4, Sec.23, T.12 N., R. 5 W.	R. J. Hatchett & others	W. F. Linsenmeyer	1907	2½	1000	1000	.....	.....	.....	Sand	Kosciusko
13a.	SE.1/4, SE.1/4, Sec.22, T.12 N., R. 5 W.	J. W. Downer	David Berry	1939	2	1167	1167	1127	40	74	Coarse gray sand	Kosciusko
14.	NE.1/4, SW.1/4, Sec.25, T.12 N., R. 3 W.	M. Schaefer	W. F. Linsenmeyer	1908	2½	980	980	.....	.....	.....	Sand	Kosciusko

TABLE 28—RECORD OF WATER WELLS IN YAZOO COUNTY—(Continued)

	Water Level		Measuring point			Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l	+ or − ground (feet)	Description					
1.	28.4	Oct. 4, 1938	113	.....	Top of well tee	37½	.....	73	Dom.	Reported yield when drilled, 40 g.p.m. Water level, 25 ft., above surface of land
1a.	25	Apr. 1937	110	.....	.....	60	.....	.....	Dom.	
2.	25.2	Feb. 1, 1939	119	6.7	Top of 3 in. elbow	127	.....	73¼	P. S.	Well No. 2, Water Sup. Paper 576, p. 503
2a.	.....	.....	.....	.....	.....	100	.....	.....	Dom.	
3	20.7	Oct. 4, 1938	124	3.9	Top of 1½ in. pipe at well head	.....	.....	73	Dom.	Reported yield when drilled, 45 g.p.m., also, one joint of screen placed opposite sand at depth 584-630 feet.
3a.	.....	.....	105	.....	Surface of land	.....	.....	.....	Dom.	
4.	25.7	Jan. 27, 1939	102	1.8	Top of gate valve	.....	.....	81	Dom.	
5.	24.9	Feb. 1, 1939	109	1.0	Top of well tee	.....	.....	.....	Dom.	Well No. 15, Water Sup. Paper 576, p. 503
6.	14.9	Jan. 28, 1939	98	2.8	Top of well tee	3	.....	.....	Dom.	
7.	33.2	Jan. 27, 1939	103	1.25	Top of well tee	72	.....	82	Dom.	
8.	30.4	Jan. 28, 1939	102	2.5	Top of well tee	.....	.....	74½	Dom.	Reported yield when drilled, 60 g.p.m.
9.	33.9	Feb. 1, 1939	112	2.7	Top of well elbow	.....	.....	76½	Dom.	Reported yield when drilled, 275 g.p.m. Static water level, 40 ft. above surface of land
10.	4.0	Jan. 31, 1939	115	3	Top of well elbow	3	.....	71¾	Dom.	
11.	35.7	Feb. 1, 1939	103	0.9	Top of well tee	90	.....	79¼	Dom.	Finished with perforated pipe
12.	37.5	Jan. 27, 1939	85	1.1	Top of well tee	80	.....	76½	Dom.	Reported yield when drilled, 110 g.p.m. Static water level, 60 feet above surface of the land
13.	23.8	Jan. 26, 1939	99	1	Top of well tee	60	.....	79¼	Dom.	
13a.	33.35	Aug. 17, 1939	93	1	Top of well tee	65	.....	82	Dom.	
14.	37.2	Jan. 27, 1939	100	0	Top of well tee	.....	.....	.....	Dom.	

TABLE 28—RECORD OF WATER WELLS IN YAZOO COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
15.	NW.1/4, NW.1/4, Sec.27, T.12 N., R. 2 W.	Aponaug Manf. Co.		.....	4	1500	.....	.....	.....	.....	.....	Kosciusko
17.	NW.1/4, NW.1/4, Sec.33, T.12 N., R. 2 W.	Yazoo City		.....	2½	1000(?)	.....	.....	.....	.....	.....	Kosciusko
18.	SE.1/4, NE.1/4, Sec.32, T.12 N., R. 2 W.	Coca Cola Ice Co.		1930	2½	900	900	860	40	.....	Sand	Kosciusko
19.	NE.1/4, SE.1/4, Sec.32, T.12 N., R. 2 W.	Southern United Ice Co.	Capt. Stutz	1905	6	860	.....	.....	.....	.....	Sand	Kosciusko
20.	NE.1/4, SE.1/4, Sec.32, T.12 N., R. 2 W.	Planters Oil Mill		1898	.....	500	.....	.....	.....	.....	Sand	Cockfield
21.	SE.1/4, NE.1/4, Sec.32, T.12 N., R. 2 W.	Planters Oil Mill		1900	.....	500	.....	.....	.....	.....	.....	Cockfield
22.	SE.1/4, NE.1/4, Sec.32, T.12 N., R. 2 W.	Planters Oil Mill		1908	6	900	.....	.....	.....	.....	Sand	Kosciusko
23.	SW.1/4, NE.1/4, Sec.32, T.12 N., R. 2 W.	Yazoo City	Layne-Central	1926	12	890	890	820	70	74	Coarse Sand	Kosciusko
24.	SW.1/4, NE.1/4, Sec.32, T.12 N., R. 2 W.	Yazoo City	Mr. Young	.....	4(?)	800	.....	.....	.....	.....	Sand	Kosciusko
25.	SW.1/4, NE.1/4, Sec.32, T.12 N., R. 2 W.	Yazoo City	Mr. Young	1906	6	890	.....	.....	.....	.....	Sand	Kosciusko
26.	SW.1/4, NE.1/4, Sec.32, T.12 N., R. 2 W.	Yazoo City	Mr. Young	.....	6	801	.....	.....	.....	.....	Sand	Kosciusko
27.	SW.1/4, NE.1/4, Sec.32, T.12 N., R. 2 W.	Yazoo City	Mr. Young	.....	6	1275	.....	.....	.....	.....	Sand	Kosciusko(?)
28.	NE.1/4, NE.1/4, Sec.36, T.12 N., R. 3 W.	G. D. Latham	T. B. Minyard	1925	3	911	911	851	.....	64	Sand	Kosciusko
28a.	SE.1/4, SE.1/4, Sec.4, T.11 N., R. 5 W.	Consolidated School	Layne-Central	.....	4	980	980	.....	.....	.....	Sand	Kosciusko
29.	NE.1/4, SE.1/4, Sec.1, T.11 N., R. 3 W.	Mrs. W. R. Page		.....	5	.....	.....	.....	.....	.....	.....	Kosciusko
30.	NW.1/4, SE.1/4, Sec.10, T.11 N., R. 3 W.	H. B. Lightcap	W. F. Linsenmeyer	1920	3	1100	1100	.....	.....	.....	Sand	Kosciusko
31.	NE.1/4, NE.1/4, Sec.9, T.11 N., R. 5 W.	F. W. Sharbrough	W. F. Linsenmeyer	1905	2½	1120	1120	.....	40	.....	Sand	Kosciusko
31a.	SW.1/4, NE.1/4, Sec.11, T.11 N., R. 5 W.	C. W. Perry	C. M. Journey	1940	.....	1344	.....	.....	.....	.....	.....	Kosciusko

TABLE 28—RECORD OF WATER WELLS IN YAZOO COUNTY—(Continued)

	Water Level		Measuring point			Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l	+ or − ground (feet)	Description					
15.	.....	.....	.....	.....	.....	.....	.....	81	Ind.	
17.	15.15	Jan. 24, 1939	102	−1.1	Top of well tee	.....	.....	.....	Drinking	Well No. 10, Water Sup. Paper 576, p. 503
18.	32.2	Feb. 1, 1939	100	0.8	Top of well arch	.....	.....	.....	Ind.	
19.	28.3	Feb. 1, 1939	.....	1	Top of well elbow	180	.....	82	Ind.	Yield reported in 1930
20.	+	.....	.....	.....	.....	7	.....	.....	Aban.	Found flowing
21.	+	.....	.....	.....	.....	.....	.....	.....	.....	
22.	17.02	Feb. 1, 1939	112	4	Top of well elbow	.....	.....	.....	Ind.	
23.	32.4	Jan. 19, 1939	108	0	Mark at southeast door of power plant	380	1500	82	P. S.	
24.	+	.....	.....	.....	.....	36	.....	71	Aban.	Found flowing well No. 6, Water Supply Paper 576, p. 503
25.	22.0	Jan. 17, 1939	113	5	Cen. of tapped hole in 4 in. pipe at generator	.....	.....	.....	Ind.	Used for cooling elec. generator. Well No. 7, Water Supply Paper 576, p. 503
26.	26.1	Jan. 17, 1939	101	.....	Top of well elbow	180	.....	81	P. S.	Well No. 8, Water Sup. Paper 576, p. 503
27.	18.3	Jan. 17, 1939	102	1.2	Top of 3 in. pipe on well head	105	.....	85¼	Ind.	
28.	41.6	Jan. 28, 1939	106	1.75	Top of well tee	90	.....	76½	Dom.	Reported yield when drilled, 82½ g.p.m.
28a.	35.7	Aug. 17	103	3	Top of well tee	.....	.....	79½	School	
29.	38.7	Jan. 31, 1939	104	3	Top of well elbow	.....	.....	79	Dom.	
30.	41.2	Jan. 28, 1939	106	2.5	Top of well tee	.....	.....	.....	Dom.	
31.	34.6	Jan. 26, 1939	101	2.5	Top of well tee	.....	.....	83¼	P. S.	Reported yield when drilled, 100 g.p.m.
31a.	50	July 15, 1940	94	.....	.....	65	.....	.....	Dom.	Yield and static water level reported by driller

TABLE 28—RECORD OF WATER WELLS IN YAZOO COUNTY—(Continued)

No.	Location	Owner or name	Driller	Completed	Diameter well (In.)	Depth well (feet)	Depth cased (feet)	Depth to screen (feet)	Length of screen (feet)	Principal water-bearing bed		
										Thick. (feet)	Material	Geologic form.
32.	SW.1/4, NE.1/4, Sec.8, T.11 N., R. 5 W.	J. T. Montgomery	David Berry	1939	2½	1151	1151	1111	40	.....	Sand	Kosciusko
33.	NW.1/4, SW.1/4, Sec.24, T.11 N., R. 3 W.	Mrs. N. P. S. Cheatham	David Berry	1937	2	955	955	.....	20	.....	Sand	Wautubbee
34.	NW.1/4, NW.1/4, Sec.29, T.11 N., R. 3 W.	Joe Montgomery	W. F. Linsenmeyer	.....	2½	1125	.....	.....	.....	.....	Sand	Kosciusko
35.	SE.1/4, SW.1/4, Sec.26, T.11 N., R. 3 W.	Frank McGraw	T. B. Minyard	1940	3	1024	1024	960	60	.....	Sand	Kosciusko
36.	NE.1/4, SW.1/4, Sec.34, T.11 N., R. 3 W.	T. B. Slick Estate		1917	4	990	.....	.....	250(?)	.....	Sand	Wautubbee(?)
37.	NW.1/4, NW.1/4, Sec.2, T.11 N., R. 4 W.	J. W. Nabors	W. F. Linsenmeyer	1910(?)	3	960	.....	.....	.....	.....	Sand	Wautubbee(?)
38.	NW.1/4, NE.1/4, Sec.4, T.10 N., R. 3 W.	Buford Atkinson		.....	3	.....	.....	.....	.....	.....	.....	
38a.	NW.1/4, SW.1/4, Sec.11, T.10 N., R. 4 W.	John Peaster	David Berry	1939	2	1358	1352	1312	40	50	Hard packed sand	Kosciusko
38b.	SW.1/4, NE.1/4, Sec.18, T.10 N., R. 4 W.	M. Falkner	C. M. Journey	.....	2	1594	1553	.....	.....	16	Sand	Kosciusko
39.	SW.1/4, NE.1/4, Sec.31, T.10 N., R. 3 W.	Satartia School	T. B. Minyard	1929	3	1120	1120	.....	.....	.....	Sand	Kosciusko(?)
40.	SE.1/4, NW.1/4, Sec.31, T.10 N., R. 3 W.	Dr. Carley		1896	1	588	588	.....	.....	.....	Sand	Cockfield
41.	SE.1/4, NW.1/4, Sec.31, T.10 N., R. 3 W.	Town of Satartia		1905	2½	600	.....	.....	.....	.....	Sand	Cockfield
42.	SW.1/4, NW.1/4, Sec.36, T.10 N., R. 4 W.	Richard Hatchell	Layne-Bowler	1911	4	820	820	700	60	.....	Sand	Cockfield
43.	SE.1/4, NW.1/4, Sec.35, T.10 N., R. 4 W.	A. P. Kelley Estate	Layne-Bowler	1914	4	796	796	698	66	41	Hard packed sand	Cockfield
44.	SE.1/4, SW.1/4, Sec.11, T.9 N., R. 4 W.	J. T. Atkinson	C. M. Journey	1936	2	1141	1141	1100	41	52	Sand	Kosciusko
45.	SE.1/4, NE.1/4, Sec.14, T.9 N., R. 4 W.	J. T. Atkinson	Mr. Young	1935	2	750+	.....	.....	20	.....	.....	Cockfield
46.	SW.1/4, SE.1/4, Sec.14, T.9 N., R. 4 W.	Mrs. Frank Smith	T. B. Minyard	1940	3	1178	.....	.....	.....	53	Sand	Kosciusko
47.	SE.1/4, SE.1/4, Sec.16, T.9 N., R. 4 W.	School	David Berry	1939	2	1336	1336	1290	40	51	Sand	Kosciusko
48.	NE.1/4, NW.1/4, Sec.27, T.9 N., R. 4 W.	M. Falkner	C. M. Journey	1936	.....	820	820	.....	22	43	Sand	Cockfield

TABLE 28—RECORD OF WATER WELLS IN YAZOO COUNTY—(Continued)

	Water Level		Measuring point			Yield Flow	(g.p.m.) Pump	Temp. °F.	Use of water	Other records and general information
	+ or − meas. pt. (feet)	Date measured	Feet above m.s.l	+ or − ground (feet)	Description					
32.	38.55	Aug. 17, 1939	100	2	Top of 4 in. reducer	75		80	Dom.	
33.	15.5	Jan. 31, 1939	128	0.5	Top of well tee			76¾	Dom.	Reported yield, 35 g.p.m.
34.	42.1	Jan. 28, 1939	106	3	Top of well tee			79½	Dom.	
35.									Dom.	
36.	23.9	Jan. 31, 1939	109	3	Top of well tee	60		75½	Dom.	
37.	22.5	Jan. 28, 1939	107	4.8	Top of well elbow	10			Dom.	
38.	16.0	Jan. 31, 1939	104	2.2	Top of well tee				Dom.	
38a.	52.7	Sept. 5, 1939	103	2	Top of well tee	80		83	Dom.	
38b.	+		100			75			Dom.	Yield reported by driller
39.	52.1	Jan. 30, 1939	111	0	Top of well tee	80			School	Reported yield when drilled, 200 g.p.m.
40.	4.25	Jan. 28, 1939	109	5.75	Top of gate valve	15			Dom.	Well No. 4, Water Sup. Paper 576, p. 503
41.	4.5(app.)				Surface of land at well head	10			P. S.	Yield and static level of water reported
42.	6.3	Jan. 31, 1939	106	4	Top of well tee	26		72½	Dom.	Water is obtained from 3 strata
43.	6.0	Jan. 30, 1939	106	1.5	Top of well tee	40			Dom.	Water is obtained from 2 strata
44.	60.6	Jan. 30, 1939	99	1.5	Top of well tee	51½		85	Dom.	
45.	11.93	Jan. 30, 1939	125	1.5	Top of 1 in. elbow				Dom.	
46.			120					84	Dom.	
47.	48.0	1939	97		Top of well tee	35			School	Yield and static level of water reported by driller
48.	−13	1937	128	0	Surface of land				Dom.	

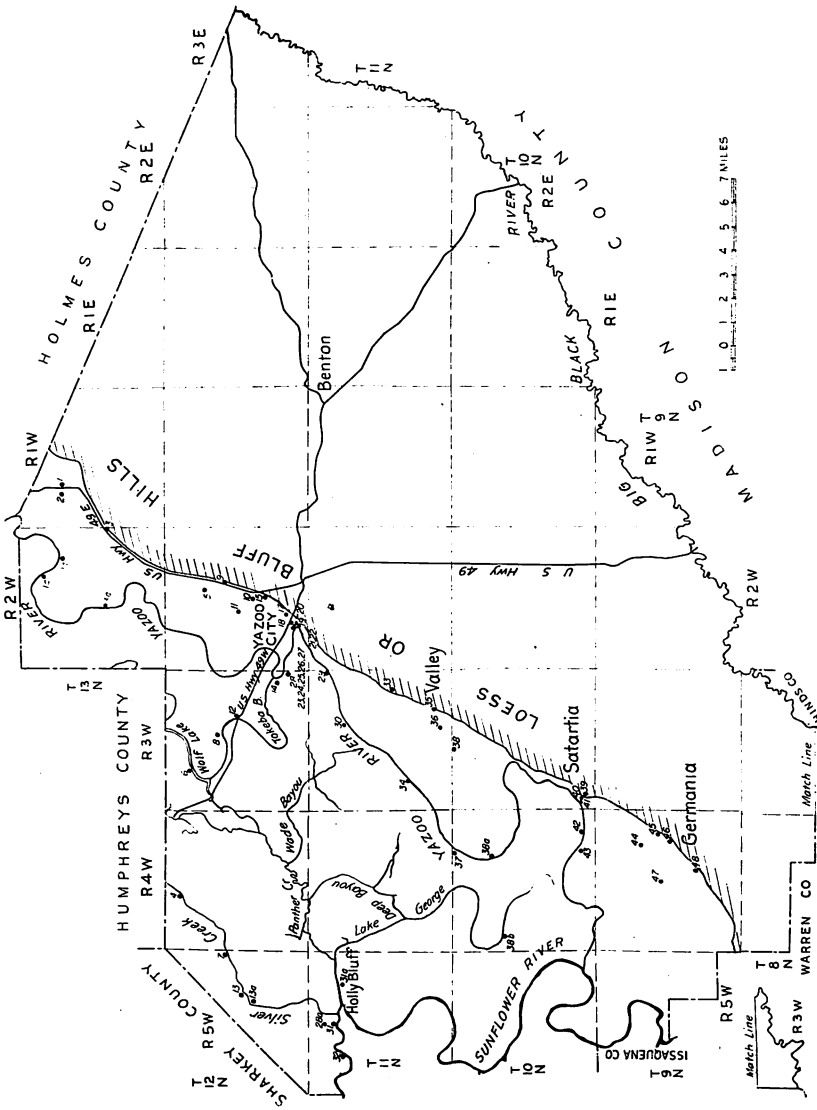


Figure 38.—Map of wells in Yazoo County.

TABLE 29

DECLINE OF ARTESIAN PRESSURES OR STATIC WATER LEVELS IN REPRESENTATIVE WELLS IN THE MISSISSIPPI ALLUVIAL PLAIN PRIOR TO 1939

Well No.	County and nearest settlement	Owner	First reported measurements			Measurements in 1938 & 1939			Indicated change of static water level (feet)	Geologic horizon producing the water
			Water level + or − meas. pt. (feet)	Yield in gals. a min.	Date of meas.	Water level + or − meas. pt. (feet)	Yield in gals. a min.	Date of meas.		
	Bolivar County									
9.	Perthshire	M. S. Knowlton	+19	.....	1916(?)	+14.2	.....	May 28, 1939	− 4.8	Meridian
13.	Shelby	Town of Shelby	+29	170	June, 1936	+18.6	135	June 1, 1939	−10.4	Meridian(?)
15.	Shelby	Town of Shelby	+33	220	1936	+26	154	June 1, 1939	− 7	Meridian
23.	Rosedale	Town of Rosedale	− 9	.....	Nov. 29, 1911	−16.5	.....	May 28, 1939	− 7.5	Cockfield
35.	Beulah	Town of Beulah	+38.6	.....	1917(?)	+28.9	.....	May 24, 1939	− 9.7	Meridian
53.	Benoit	B. J. Powell	+65	.....	1916	+45.2	.....	May 25, 1939	−19.8	Tallahatta
58.	Shaw	A. E. Graham	+50	.....	1918	+33.8	.....	May 17, 1939	−16.2	Tallahatta
	Coahoma County									
14.	Friar Point	Town of Friar Point	+ 7	.....	1919(?)	0	.....	June 22, 1939	− 7	Meridian
17.	Coahoma	Village of Coahoma	+30	.....	1919(?)	+ 3(app)	.....	June 29, 1939	−27	Meridian
23.	Jonestown	Eastman Cotton Oil Mill	+11.3	50	1912	+ 4.7	3	July 12, 1939	− 6.6	Meridian
27.	Farrell	R. N. McWilliams	+36.7	36	1919(?)	+10.4	11	June 23, 1939	−26.3	Meridian
36.	Clarksdale	C. C. Aderholdt	+ 4.9	.....	1932	+ 4.4	.....	June 23, 1939	− 0.5	Meridian(?)
49.	Clarksdale	City of Clarksdale	+20	.....	1911	+ 2.7	.....	June 21, 1939	−17.3	Meridian
68.	Mattson	Dr. D. H. Raney and others	+30.7	.....	1925	+ 8.7	.....	June 26, 1939	−22.0	Meridian
	Holmes County									
31.	Tchula	Nixon & Hays	+58.3	.....	1919(?)	+19.5	.....	Dec. 27, 1938	−38.8	Basic City-Winona
37.	Tchula	W. E. Ruff	+82.7	.....	1918(?)	+20.8	.....	Dec. 26, 1938	−61.9	Basic City-Winona
38.	Tchula	Town of Tchula	+52.0	.....	1919(?)	+20.5	.....	Dec. 24, 1938	−31.5	Basic City-Winona
52.	Thornton	R. Lee Peaster	+23.8	.....	Aug. 1, 1914	+18.3	.....	Dec. 26, 1938	− 5.5	Kosciusko
62.	Bee Lake	Mrs. C. W. Tinnin	+56.2	.....	1919(?)	+24.7	.....	Dec. 24, 1938	−31.5	Kosciusko

TABLE 29—DECLINE OF ARTESIAN PRESSURES OR STATIC WATER LEVELS IN REPRESENTATIVE WELLS IN THE MISSISSIPPI ALLUVIAL PLAIN PRIOR TO 1939 (Continued)

Well No.	County and nearest settlement	Owner	First reported measurements: Water level + or − meas. pt. (feet)	First reported measurements: Yield in gals. a min.	First reported measurements: Date of meas.	Measurements in 1938 & 1939: Water level + or − meas. pt. (feet)	Measurements in 1938 & 1939: Yield in gals. a min.	Measurements in 1938 & 1939: Date of meas.	Indicated change of static water level (feet)	Geologic horizon producing the water
	Humphreys County									
3.	Isola	F. H. Hudson	+ 6.8	.....	1919(?)	− 1.9	.....	Dec. 16, 1938	− 8.7	Kosciusko
4.	Isola	J. D. Lee	+28.0	40	1919	+18.8	8.8	Dec. 10, 1938	− 9.2	Kosciusko-Basic City
5.	Isola	M. L. Wilkinson	+86.2	72	1928	+77.5	60	Mar. 7, 1939	− 8.7	Meridian
12.	Belzoni	Humphreys County Oil Mill	+30.5	100(?)	1919(?)	+ 3.6	14.4	Dec. 12, 1938	−26.9	Kosciusko
14.	Belzoni	City of Belzoni	+13.7	143	1919(?)	+ 2.6	19	Dec. 10, 1938	−11.1	Kosciusko
17.	Belzoni	T. L. Bridges Estate	+21.9	.....	1919(?)	+ 4.3	.....	Dec. 12, 1938	−17.6	Kosciusko
18.	Belzoni	J. C. Holbrook	+20.6	.....	1919(?)	+ 6.7	.....	Dec. 12, 1938	−13.9	Kosciusko
19.	Belzoni	Roy Sorrel	+20.8	.....	June, 1937	+13.5	.....	Jan. 11, 1939	− 7.3	Kosciusko
29.	Silver City	Mrs. Alice James	+39.3	.....	1919(?)	+12.6	.....	Jan. 19, 1939	−26.7	Kosciusko
30.	Silver City	S. H. Lusk Estate	+40.8	.....	1919(?)	+10.6	.....	Jan. 19, 1939	−30.2	Kosciusko
33.	Silver City	M. E. Garst	+21	40	1919	+ 3	2	Jan. 19, 1939	−18	Kosciusko
34.	Silver City	Mound City Gin Co.	+17	.....	July, 24 1919	+ 7	.....	Jan. 19, 1939	−10	Kosciusko
35.	Silver City	L. E. Miller	+19(app.)	.....	1919(?)	+ 9.6	.....	Jan. 19, 1939	− 9.4	Kosciusko
39.	Richland	Simmons Bros.	+90(app.)	.....	1913	+18.4	.....	June 8, 1939	−71.6	???
42.	Midnight	C. B. Box Estate	+25(app.)	.....	1919(?)	+14.3	.....	Jan. 21, 1939	−10.7	Kosciusko
44.	Midnight	C. B. Box Estate	+37.3	260	1919	+15.0	72	Jan. 21, 1939	−22.3	Kosciusko
	Issaquena County									
1.	Grace	B. J. Tonnar	+14(app.)	.....	1928	+10.0	.....	Feb. 24, 1939	− 4	Kosciusko
2.	Grace	L. C. Dulaney	+40	.....	1910	+ 9.9	.....	Feb. 27, 1939	−30	Kosciusko
8.	Mayersville	George F. Stock	+23	.....	May, 1933	+12.0	.....	Feb. 22, 1939	−11	Kosciusko
11.	Mayersville	Mrs. Ballun	+38.2	.....	1912	+17.1	.....	Feb. 22, 1939	−21.1	Kosciusko

TABLE 29—(Continued)

Well No.	County and nearest settlement	Owner	First reported measurements: Water level + or − meas. pt. (feet)	First reported measurements: Yield in gals. a min.	First reported measurements: Date of meas.	Measurements in 1938 & 1939: Water level + or − meas. pt. (feet)	Measurements in 1938 & 1939: Yield in gals. a min.	Measurements in 1938 & 1939: Date of meas.	Indicated change of static water level (feet)	Geologic horizon producing the water
17.	Mayersville	Hunter White	+34.5	.....	Nov. 1933	+25.6	.....	Feb. 21, 1939	− 8.9	Kosciusko
18.	Onward	Mrs. Frances Ricketts	+45.0	.....	Mar. 16, 1937	+37.7	.....	Feb. 9, 1939	− 7.3	Kosciusko
	LeFlore County									
6.	Minter City	Feigler Estate	+38.8	.....	1919(?)	+ 8.8	.....	Sept. 22, 1938	−30	Winona
21.	Money	Mrs. W. K. Henderson	+29(app.)	.....	1910	+ 0.5	.....	Oct. 10, 1938	−28.5	Kosciusko
22.	Money	Mrs. W. K. Henderson	+33(app.)	.....	1918	+ 0.7	.....	Oct. 10, 1938	−31.3	Kosciusko
37.	Money	Russell Kearney	+23.7	.....	1919(?)	+ 0.7	.....	Oct. 8, 1938	−23	Kosciusko
47.	Money	R. L. Kirby	+20	.....	1933	+ 1.5	.....	Oct. 7, 1938	−18.5	Winona
60.	Schlater	Mrs. D. B. Jameson	+28.5	50	Sept. 1, 1919	+ 8.6	8	Sept. 27, 1938	−19.9	Basic City & Winona
100.	Itta Bena	Josephine Statton	+16.5	.....	May, 1938	+16.7	.....	Sept. 27, 1938	+0.2	Meridian
145.	Greenwood	City of Greenwood	+92	.....	1908	+27.6	.....	Oct. 1937	−64.4	Meridian
147.	Greenwood	City of Greenwood	+46	1000	1916	+27.6	400	Oct. 1937	−18.4	Meridian
181.	Itta Bena	John McLean	+68	.....	1936	+35.6	.....	Sept. 29, 1938	−32.4	Meridian
192.	Quito	R. E. Sanford	+29	.....	1923	+17.5	.....	Sept. 30, 1938	−11.5	Winona
193.	Greenwood	E. D. Simmons	+22	.....	Oct. 1, 1919	+ 4.25	.....	Jan. 10, 1939	−17.75	Winona
197.	Itta Bena	Sid Gillespie	+69	.....		+28.2	.....	June 7, 1939	−40.8	Basic City
213.	Swiftown	C. G. Nichols	+96.6	114	1915	+22.8	27	June 8, 1939	−73.8	Kosciusko
	Panola County									
2.	Crenshaw	Town of Crenshaw	+40	.....	1925	29.7	.....	July 11, 1939	−10.3	Lower Wilcox
	Quitman County									
8.	Essex	J. J. McPherson	+24.5	.....	1918	+11.7	.....	July 1, 1939	−12.8	Meridian & Basic City
15.	Marks	Town of Marks	+36.5(?)	75	Aug. 31, 1919	+11.5	13	June 28, 1939	−25	Meridian

TABLE 29—DECLINE OF ARTESIAN PRESSURES OR STATIC WATER LEVELS IN REPRESENTATIVE WELLS IN THE MISSISSIPPI ALLUVIAL PLAIN PRIOR TO 1939 (Continued)

Well No.	County and nearest settlement	Owner	First reported measurements: Water level + or − meas. pt. (feet)	First reported measurements: Yield in gals. a min.	First reported measurements: Date of meas.	Measurements in 1938 & 1939: Water level + or − meas. pt. (feet)	Measurements in 1938 & 1939: Yield in gals. a min.	Measurements in 1938 & 1939: Date of meas.	Indicated change of static water level (feet)	Geologic horizon producing the water
22.	Lambert	L. S. Barksdale	+50(app.)	55	1936	+33.9	49	June 28, 1939	−16	Lower Wilcox
32.	Lambert	City Cafe	+38(app.)	.....	Nov. 8, 1911	+ 6	.....	Nov. 18, 1938	−32	Basic City
62.	Lambert	State	+25	.....	1931	+20.7	.....	Nov. 19, 1938	− 4.3	Meridian
66.	Lambert	Dr. J. J. Furr	+22.6	.....	1936	+15.1	.....	Nov. 17, 1938	− 7.5	Meridian
93.	Vance	E. Q. Vance	+29	.....	Feb. 15, 1936	+16.7	.....	Nov. 16, 1938	−12.3	Meridian
	Sharkey County									
3.	Percy	J. W. Kent	+22	.....	1918	+ 8.8	.....	Dec. 9, 1938	−13.2	Cockfield
7.	Anguilla	Grammar School	+17	.....	1923	+10.4	.....	Jan. 21, 1939	− 6.6	Kosciusko
16.	Richey	Will Tidwell	+35	.....	1919(?)	+16.1	.....	Feb. 28, 1939	−18.9	Cockfield
17.	Nitta Yuma	R. P. Caselli	+ 8.7	120	1926(?)	+ 6.5	86	Feb. 28, 1939	− 2.2	Kosciusko
29.	Rolling Fork	J. B. Dunaway	+22.6	.....	Jan. 15, 1937	+18.4	.....	Feb. 18, 1939	− 4.2	Kosciusko
30.	Rolling Fork	H. G. Carpenter	+29	.....	July 25, 1919	+17.0	.....	Feb. 18, 1939	−12.0	Kosciusko
34.	Rolling Fork	G. C. Cortright	+21.5	.....	Oct. 20, 1936	+17.5	.....	Feb. 18, 1939	− 4.0	Kosciusko
39.	Egremont	Paine & Garrett	+26	.....	Dec. 7, 1935	+17.4	.....	Feb. 17, 1939	− 8.6	Kosciusko
40.	Egremont	Paine, Garrett, & Baggett	+24	75	Sept. 1, 1938	+23.2	.....	Feb. 20, 1939	− 0.8	Kosciusko
41.	Egremont	Egremont Gin Co.	+24	.....	May 10, 1937	+20.4	.....	Feb. 17, 1939	− 3.6	Kosciusko
43.	Cary	Town of Cary	+30	.....	Aug. 10, 1911	+24.6	.....	Feb. 10, 1939	− 5.4	Kosciusko
45.	Issaquena	J. H. Moore	+52	.....	1914(?)	+33.2	.....	Feb. 10, 1939	−18.8	Kosciusko
	Sunflower County									
25.	Drew	Sunflower Plantation	+33.5	60	1919(?)	+ 6.7	5	June 10, 1939	−26.8	Winona
44.	Ruleville	C. W. McBee	+56	78	1919(?)	+ 8.8	22	June 5, 1939	−47.2	Winona
41.	Ruleville	J. R. Dockery	+50	.....	1919(?)	+ 3	.....	June 5, 1939	−47	Winona

TABLE 29—(Continued)

Well No.	County and nearest settlement	Owner	First reported measurements: Water level + or − meas. pt. (feet)	First reported measurements: Yield in gals. a min.	First reported measurements: Date of meas.	Measurements in 1938 & 1939: Water level + or − meas. pt. (feet)	Measurements in 1938 & 1939: Yield in gals. a min.	Measurements in 1938 & 1939: Date of meas.	Indicated change of static water level (feet)	Geologic horizon producing the water
60.	Doddsville	E. L. Coleman and others	+40(app.)	.....	Oct., 1925	+28.7	.....	June 20, 1939	−11.3	Basic City
57.	Doddsville	Doddsville Land & Mer. Co.	+67	.....	1900(?)	+ 4.7	.....	June 20, 1939	−62.3	Winona
76.	Sunflower	Lee Fox	+35(app.)	.....	1916	+28.7	.....	June 17, 1939	− 6.3	Kosciusko
79.	Sunflower	Town of Sunflower	+27	.....	Dec. 1, 1936	+26.5	.....	June 17, 1939	− 0.5	Basic City
107.	Inverness	George Baird	+31(app.)	.....	1912	+18.7	.....	June 16, 1939	−12.3	Basic City
105.	Indianola	Percy Roy	+73.6(?)	.....	1914	+30.5	.....	June 16, 1939	−43	Basic City
115.	Inverness	Town of Inverness	+69	.....	Mar., 1936	+76.8	.....	June 2, 1939	+7.8	Meridian
114.	Inverness	Town of Inverness	+45	40	1909(?)	+ 7.6	10	June 2, 1939	−37.4	Winona
	Tallahatchie County									
12.	Vance	G. C. Denson	+19	.....	Aug., 1928	+11.8	.....	Nov. 16, 1938	− 7.2	Meridian
24.	Tutwiler	Town of Tutwiler	+37	110	1911(?)	+ 6.7	15	Nov. 14, 1938	−30.3	Meridian
61.	Sumner	J. S. Sumner	+20.5	.....	Aug., 1936	+10.4	.....	Nov. 5, 1938	−10.1	Meridian
64.	Sumner	W. A. MacMullen	+17	.....	1917	+ 0.4	.....	Nov. 10, 1938	−16.6	Meridian & Basic City
118.	Tippo	Conn. General Life Ins. Co.	+22	.....	Apr. 9, 1936	+17.9	.....	Sept. 20, 1938	− 4.1	Meridian
127.	Swan Lake	R. K. Rice	+28.5	.....	1919(?)	7.8	.....	Sept. 20, 1938	−20.7	
171.	Phillip	Phillip Stave Mill Co.	+14	.....	Aug., 1931	12.4	.....	Feb. 14, 1939	− 1.6	Basic City
	Tunica County									
5.	Robinsonville	Abbey & Leatherman	+39	.....	1917(?)	+18.2	.....	July 16, 1939	−20.8	Lower Wilcox
12.	Tunica	Town of Tunica	+42(app.)	.....	1918	+29.5	.....	July 11, 1939	−12.5	Lower Wilcox
22.	Dundee	F. M. Norfleet Estate	+ 9.5	.....	1913(?)	+ 1.8	.....	July 12, 1939	− 7.7	Meridian
23.	Dubbs	G. D. Perry, Jr.	+35.5	.....	1934	+33.9	.....	July 14, 1939	− 1.6	Lower Wilcox

TABLE 29—DECLINE OF ARTESIAN PRESSURES OR STATIC WATER LEVELS IN REPRESENTATIVE WELLS IN THE MISSISSIPPI ALLUVIAL PLAIN PRIOR TO 1939 (Continued)

Well No.	County and nearest settlement	Owner	First reported measurement			Measurements in 1938 & 1939			Indicated change of static water level (feet)	Geologic horizon producing the water
			Water level + or − meas. pt. (feet)	Yield in gals. a min.	Date of meas.	Water level + or − meas. pt. (feet)	Yield in gals. a min.	Date of meas.		
	Washington County									
7.	Winterville	Mrs. Ann Bridges	+52.5	.....	1914	+38.4	.....	May 5, 1939	−14.1	Basic City
15.	Hollyknowe	Mr. Neill	+71	.....	1924	+47.6	.....	May 16, 1939	−23.4	Basic City
22.	Stoneville	V. L. Weileman and others	+48(app.)	.....	1919(?)	+47.6	.....	May 6, 1939	− 0.4	Basic City
28.	Leland	City of Leland	−13(app.)	.....	1925	−20(app.)	.....	May 10, 1939	− 7	Cockfield
36.	Greenville	Greenville Ice & Coal Co.	−21	.....	Oct. 4, 1919	−31.8	.....	May 7, 1939	−10.8	Cockfield
42.	Hollyknowe	W. B. Swain	+97.1	.....	Aug., 1914	+43.6	.....	May 15, 1939	−54.1	Basic City
64.	Hollandale	Jones & Rickett	+92	.....	Aug., 1937	+89.1	.....	Mar. 8, 1939	− 2.9	Meridian
74.	Hollandale	LeRoy Percy State Park	+103.5	.....	Nov. 9, 1934	+94.8	.....	Feb. 24, 1939	− 8.7	Cockfield
78.	Swan Lake	M. L. Virden	+ 6.7	23	1919	+ 4.8	10	Feb. 24, 1939	− 1.9	Kosciusko
81.	Murphys Landing	Tory Wood & Sons	+ 9.6	50	Mar. 26, 1937	+ 8.9	.....	Dec. 9, 1938	− 0.7	Kosciusko
93.	Chatham	Stein Bros.	+15.6	.....	1928	+ 8.5	.....	Apr. 27, 1939	− 7.0	Kosciusko
95.	Marathon	J. O. Goshorm	+15.1	.....	1900(?)	+ 1.4	.....	Apr. 25, 1939	−13.7	Kosciusko
99.	Glen Allen	P. L. Mann	+18.5	.....	1919	0	.....	Apr. 25, 1939	−18.5	Kosciusko
100.	Glen Allen	R. L. Jordan	+ 8.8	.....	1917	+ 8.0	.....	Apr. 25, 1939	+0.8	Kosciusko
105.	Glen Allen	J. C. Johnson	+40	80	1919	+10.0	13.3	Feb. 24, 1939	−30.0	Kosciusko
	Yazoo County									
2.	Eden	Village of Eden	+33(app.)	.....	1919(?)	+25.2	.....	Feb. 1, 1939	− 7.8	Kosciusko
25.	Yazoo City	City	+25	.....	July 23, 1919	+22.0	.....	Jan. 24, 1939	− 3.0	Kosciusko
40.	Satartia	Dr. Carley	+12	.....	Jan. 28, 1939	+10.0	.....	Jan. 28, 1939	− 2.0	Cockfield
43.	Satartia	A. P. Kelly Estate	+ 8.5	60	Feb. 13 1914	+ 6.0	40	Jan. 30, 1939	− 1.5	Cockfield

TABLE 30

DRILLERS LOGS OF WELLS IN NORTHWESTERN MISSISSIPPI

BOLIVAR COUNTY WELL 4, SW.1/4, SW.1/4, SEC.24, T.25 N., R.5 W.

J. M. Harris — Driller: T. B. Minyard
Altitude: 149 feet — in 1930

	Thick. feet	Depth feet
Alluvium		
Not reported	215.3	215.3
Thin strata of clay	42.8	258.1
Jackson (?)		
Not reported	296.3	554.4
Kosciusko sand		
Clay	42.9	597.3
Shale and thin strata of sand	20.5	617.8
Shale	20.8	638.6
Shale or sand	19.5	658.1
Sand, hard	41.7	699.8
Clay, hard gummy	20.1	719.9
Clay, hard	7.0	726.9
Sand, hard	12.9	739.8
Sand	12.0	751.8
Clay, hard	15.9	767.7
Sand, hard	8.0	775.7
Zilpha clay		
Clay	2.0	777.7
Rock, medium	.8	778.5
Clay, hard gummy, and thin strata shale	22.5	801.0
Clay, hard gummy	19.3	820.3
Clay	10.0	830.3
Winona sand		
Rock in thin sheets	7.0	837.3
Shale	6.7	844.0
Rock	3.0	847.0
Clay	5.0	852.0
Rock	2.0	854.0
Shale	5.0	859.0
Rock	1.8	860.8
Shale	8.0	868.8
Rock	2.7	871.5
Clay	7.1	878.6
Clay, hard gummy	20.2	898.8
Winona sand		
Clay and thin strata of sand	18.3	917.1
Clay	8.0	925.1
Rock	0.8	925.9
Clay	2.0	927.9
Rock	0.3	928.2
Thin strata of rock	9.6	937.8
Sand	8.0	945.8
Rock	2.5	948.3
Sand, hard	2.0	950.3
Shale	4.1	954.4
Sand, hard	25.0	979.4
Basic City shale		
Shale, hard sandy	21.0	1000.4
Clay	3.0	1003.4
Rock, medium	1.5	1004.9
Clay & thin strata of hard sand or shale	12.4	1017.3
Clay, hard	20.9	1038.2
Clay	20.7	1058.9
Sand, hard	8.0	1066.9
Clay	10.8	1077.7
Thin strata of hard sand and clay	20.8	1098.5
Shale	21.3	1119.8
Clay, hard gummy	19.5	1139.3
Clay, hard	22.2	1161.5
Clay, hard gummy	20.7	1182.2
Clay, hard	12.0	1194.2
Sand, hard	8.5	1202.7
Meridian sand		
Clay, hard	16.0	1218.7
Sand, hard	6.0	1224.7
Sand	32.8	1257.5
Clay, hard	1.5	1259.0
Shale, gummy	7.2	1266.2

TABLE 30—(Continued)

Meridian sand	Thick. feet	Depth feet	Meridian sand	Thick. feet	Depth feet
Clay	5.0	1271.2	Sand	10.2	1349.7
Sand	11.0	1282.2	Sand, hard	19.9	1369.6
Shale	4.8	1287.0	Sand	87.0	1456.6
Sand	21.8	1308.8	Clay	2.0	1458.6
Clay, gummy	20.7	1329.5	Sand	13.2	1471.8
Clay	10.0	1339.5	Sand, hard	40.4	1512.2

BOLIVAR COUNTY WELL 21, SW.1/4, NE.1/4, SEC.4, T.23 N., R.8 W.

W. A. Welshans
Altitude: 150 feet

Driller: Delta Drilling Co. in 1940

Alluvium	Thick. feet	Depth feet	Jackson	Thick. feet	Depth feet
Soil and clay	18.5	18.5	Gumbo	15.1	179.8
Clay	31.7	50.2	Gumbo & "gummy"	20.4	200.2
Soil	8.6	58.8	Gumbo, hard, and "gummy"	17.6	217.8
Sand and fine gravel	21.4	80.2	Gumbo	65.0	282.8
Gravel and sand	61.6	141.8	Cockfield formation		
Gravel	16.0	157.8	Sand, hard	24.5	307.3
Rock	0.3	158.1	Sand	118.6	425.9
Sand, hard	1.6	159.7	Shale	7.0	432.9
Gravel	5.0	164.7			

BOLIVAR COUNTY WELL 23, NW.1/4, SE.1/4, SEC.9 T.23 N., R.8 W.

Town of Rosedale

Driller: Layne-Central Co. in 1928

Alluvium	Thick. feet	Depth feet	Jackson	Thick. feet	Depth feet
Soil	7	7	Clay, brittle	10	158
Log	2	9	Clay, sandy	67	225
Gumbo, tough	9	18	Clay	30	255
Clay, sandy	20	38	Cockfield formation		
Gravel, fine	110	148	Sand, water-bearing	65	320

BOLIVAR COUNTY WELL 26, NE.1/4, SE.1/4, SEC.16, T.23 N., R.8 W.

Walter Sillers Memorial Park
Altitude: 148 ft.

Driller: C. M. Journey in 1936

Alluvium	Thick. feet	Depth feet	Jackson	Thick. feet	Depth feet
Gumbo	2.0	2.0	Gumbo	118.0	262.0
Sand	4.0	6.0	Cockfield formation		
Gumbo	17.0	23.0	Sand	25.0	287.0
Sand	76.0	99.0	Gumbo	6.0	293.0
Gravel	35.0	134.0	Sand	50.0	343.0
Sand	10.0	144.0	Gumbo	7.0	350.0

TABLE 30—(Continued)

BOLIVAR COUNTY WELL 30, SW.1/4, NW.1/4 SEC.24 T.23 N., R.5 W.

Cooke Bros. Driller: T. B. Minyard
Altitude: 143 ft. in 1917

	Thick.	Depth
Alluvium	feet	feet
Loam, sandy	8.0	8.0
Clay	31.0	39.0
Sand	37.0	76.0
Gravel	57.8	133.8
Jackson (?)		
Clay	17.7	151.5
Cockfield formation		
Sand	274.9	426.4
Clay	12.0	438.4
Sand	8.4	446.8
Clay	33.6	480.4
Sand	66.7	547.1
Wautubbee clay		
Clay	41.5	588.6
Kosciusko sand		
Sand	36.7	625.3
Clay	91.1	716.4
Sand	20.9	737.3
Clay	4.0	741.3
Sand	16.0	757.3
Clay	6.4	763.7
Sand	17.0	780.7
Zilpha clay		
Clay	78.4	859.1
Winona sand		
Rock, soft	0.5	859.6
Sand, medium-grained	13.9	873.5
Rock, soft	0.3	873.8
Sand	5.0	878.8
Rock, hard	1.3	880.1
Sand, medium-grained	6.3	886.4
Shale	13.0	899.4
Rock, hard	0.6	900.0
Sand	6.1	906.1
Shale	14.0	920.1
Sand	4.0	924.1
Shale	2.1	926.2
Sand	7.0	933.2
Winona sand		
Rock, hard	1.0	934.2
Sand	6.0	940.2
Rock, hard	1.4	941.6
Sand	2.0	943.6
Rock, medium	0.8	944.4
Shale	0.6	945.0
Sand	1.0	946.0
Rock, soft	0.3	946.3
Sand	1.0	947.3
Rock, soft	0.3	947.6
Sand	3.0	950.6
Rock, soft	0.2	950.8
Basic City shale		
Sand	10.0	960.8
Rock, soft	0.4	961.2
Sand	8.0	969.2
Rock, soft	0.4	969.6
Sand, good	31.9	1001.5
Clay	11.8	1013.3
Rock, medium	0.5	1013.8
Sand	19.7	1033.5
Clay	8.0	1041.5
Sand	7.3	1048.8
Clay	5.0	1053.8
Rock, hard	0.6	1054.4
Sand	7.0	1061.4
Rock, medium	0.2	1061.6
Sand	22.5	1084.1
Clay	6.2	1090.3
Sand	1.0	1091.3
Clay	2.0	1093.3
Sand	2.0	1095.3
Clay	1.0	1096.3
Sand	14.8	1111.1
Shale	4.0	1115.1
Sand	6.0	1121.1
Shale	2.0	1123.1
Sand	14.0	1137.1
Clay	48.7	1185.8
Sand	11.5	1197.3

TABLE 30—(Continued)

	Thick.	Depth
Basic City shale	feet	feet
Clay and thin strata of sand	7.0	1204.3
Clay	8.3	1212.6
Sand	2.0	1214.6
Meridian (?) sand		
Clay	4.0	1218.6
Sand	21.4	1240.0
Sand and thin strata of clay	11.2	1251.2

BOLIVAR COUNTY WELL 33b, SE.1/4, SW.1/4, SEC.25, T.23 N., R.8 W.

H. H. McGowan
Altitude: 145 ft.
Driller: Delta Drilling Co. in 1940

	Thick.	Depth
Alluvium	feet	feet
Soil and gumbo	17.2	17.2
Clay and shale	17.2	34.4
Sand, hard	16.3	50.7
Shale, gummy	12.1	62.8
Sand	5.0	67.8
Shale, sandy	16.7	84.5
Sand and gravel	16.3	100.8
Gravel	26.5	127.3
Sand	6.7	134.0
Sand, hard	16.3	150.3
Sand and boulders	16.3	166.6
Jackson		
Gumbo	32.6	199.2
Gumbo, hard	16.4	215.6
Jackson		
Gumbo, hard and gummy	68.2	283.8
Cockfield formation		
Sand	5.0	288.8
Gumbo	3.0	291.8
Sand	4.0	295.8
Shale, gummy	4.5	300.3
Thin strata of sand and gumbo	17.1	317.4
Gumbo and thin strata of sand	17.2	334.6
Soil	10.0	344.6
Sand	96.4	441.0
Shale	7.0	448.0

BOLIVAR COUNTY WELL 33c, SE.1/4, SE.1/4, SEC.25, T.23 N., R.8 W.

Robert Malone
Altitude: 147 ft.
Driller: Delta Drilling Co. in 1940

	Thick.	Depth
Alluvium	feet	feet
Soil and shale	20.5	20.5
Shale, blue	20.0	40.5
Shale, sand	20.0	60.5
Jackson		
Shale	80.0	140.5
Shale, hard	40.0	180.5
Shale, gummy	20.0	200.5
Shale, sandy	20.0	220.5
Cockfield formation		
Sand	15.0	235.5
Shale, hard	5.0	240.5
Gumbo, hard	18.0	258.5
Rock	.4	258.9
Shale	1.4	260.3
Cockfield formation		
Shale, sandy	20.0	280.3
Shale	5.0	285.3
Gumbo	8.0	293.3
Shale, sand	7.5	300.8
Sand, blue	20.0	320.8
Sand	5.0	325.8
Shale, gummy	15.0	340.8
Sand	12.0	352.8
Shale, gumbo	3.0	355.8
Sand	2.0	357.8
Gumbo	1.0	358.8
Sand	2.0	360.8
Gumbo, hard	50.7	411.5
Gumbo	16.0	427.5

TABLE 30—(Continued)

	Thick.	Depth
Cockfield formation	feet	feet
Rock	.4	427.9
Gumbo	45.2	473.1
Rock	.6	473.7
Sand	6.0	479.7
Gumbo, hard	16.3	496.0
Wautubbee (?) clay		
Shale	16.8	512.8
Streaks sand to strks of gummy shale	17.6	530.4
Shale, sandy and streaks of gumbo	16.5	546.9
Gumbo, hard	17.2	564.1
Shale, gummy	16.5	580.6
Shale, hard, gummy	16.3	596.9
Shale	16.0	612.9
Wautubbee (?) clay		
Rock	.4	613.3
Gumbo, hard	10.0	623.3
Shale, hard	10.0	633.3
Kosciusko (?) sand		
Sand, mucky	20.0	653.3
Sand, hard	20.0	673.3
Sand	10.0	683.3
Gumbo, hard	10.0	693.3
Sand, drilled-like	10.0	703.3
Shale, gummy	10.0	713.3
Shale, loose streaks, gummy	20.0	733.3
Gumbo	12.0	745.3
Shale, sandy	8.0	753.3
Shale, hard	20.0	773.3

BOLIVAR COUNTY WELL 34b, SE.1/4, SW.1/4, SEC. 31, T.23 N., R.6 W.

Bond and Busby — Driller: Delta Drilling Co. in 1940
Altitude: 138 ft.

	Thick.	Depth
Alluvium	feet	feet
Gumbo	15.0	15.0
Sand, coarse	45.0	60.0
Gravel	3.0	63.0
Sand	25.0	88.0
Gravel	10.0	98.0
Gumbo	2.0	100.0
Sand	4.0	104.0
Gravel	6.0	110.0
Gumbo	2.0	112.0
Sand	18.0	130.0
Jackson		
Gumbo	8.0	138.0
Shale	2.0	140.0
Gumbo	23.0	163.0
Cockfield formation		
Sand	5.0	168.0
Cockfield formation		
Gumbo	17.0	185.0
Sand and gumbo, honeycomb	15.0	200.0
Gumbo and sand	2.0	202.0
Sand	3.0	205.0
Gumbo, gummy	50.0	255.0
Sand	1.0	256.0
Gumbo	7.0	263.0
Sand	8.0	271.0
Gumbo	1.0	272.0
Sand	127.0	399.0
Sand and gumbo	5.0	404.0
Gumbo	3.0	407.0
Sand	32.0	439.0
Gumbo	2.0	441.0
Sand	27.0	468.0

TABLE 30—(Continued)

BOLIVAR COUNTY WELL 36, NW.1/4, NE.1/4, SEC. 5, T.22 N., R.5 W.

Williams and Howell — Driller: T. B. Minyard in 1917

	Thick. feet	Depth feet
Alluvium		
Clay	10.0	10.0
Sand	10.0	20.0
Clay	11.0	31.0
Sand	10.0	41.0
Clay	15.0	56.0
Sand	5.0	61.0
Gravel	37.0	98.0
Clay	14.0	112.0
Gravel	18.0	130.0
Rock	.5	130.5
Gravel	4.0	134.5
Rock	.7	135.2
Gravel	3.0	138.2
Cockfield formation		
Sand	156.1	294.3
Clay	38.7	333.0
Sand	69.4	402.4
Clay	66.2	468.6
Sand	13.3	481.9
Clay	150.1	632.0
Wautubbee clay		
Rock	.3	632.3
Clay	33.5	665.8
Rock	.5	666.3
Clay	4.5	670.8
Kosciusko sand		
Sand	136.2	807.0
Zilpha clay		
Clay	70.9	877.9
Winona sand		
Shale	7.2	885.1
Rock	.3	885.4
Sand, green	18.5	903.9
Rock	.4	904.3
Sand, green	17.2	921.5
Rock	.6	922.1
Sand, green	5.0	927.1
Rock	.4	927.5
Sand, green	12.0	939.5
Rock	.3	939.8
Sand	3.7	943.5
Winona sand		
Rock	.9	944.4
Sand	1.0	945.4
Rock	.3	945.7
Clay	4.0	949.7
Rock	.2	949.9
Sand	2.0	951.9
Rock	1.3	953.2
Clay	1.0	954.2
Rock	.8	955.0
Clay	1.0	956.0
Rock	.3	956.3
Clay	7.2	963.5
Sand	6.0	969.5
Clay	2.0	971.5
Sand	6.0	977.5
Clay	2.0	979.5
Sand	4.0	983.5
Rock	1.5	985.0
Sand	3.0	988.0
Shale	2.5	990.5
Sand	4.0	994.5
Clay	2.0	996.5
Shale	2.0	998.5
Rock	.2	998.7
Basic City shale		
Sand	14.6	1013.3
Rock	.4	1013.7
Shale	4.0	1017.7
Sand	8.0	1025.7
Shale	10.6	1036.3
Sand	4.0	1040.3
Shale	2.0	1042.3
Sand	7.0	1049.3
Clay	9.5	1058.8
Rock	.5	1059.3
Shale	2.0	1061.3
Sand	2.0	1063.3
Clay	4.0	1067.3
Shale	2.0	1069.3
Sand	23.1	1092.4
Rock	.3	1092.7

TABLE 30—(Continued)

BOLIVAR COUNTY WELL 36a, NW.1/4, SE.1/4, SEC.2, T.22 N., R.5 W.

Joe Smith — Driller: T. B. Minyard in 1917

	Thick. feet	Depth feet
Alluvium		
Clay	10.0	10.0
Sand	10.3	20.3
Gumbo	10.0	30.3
Sand	74.5	104.8
Gravel	18.0	122.8
Rock	0.7	123.5
Gravel	2.9	126.4
Gravel, bad	20.5	146.9
Sand, hard	19.4	166.3
Gravel, bad	31.3	197.6
Cockfield formation		
Soapstone	9.8	207.4
Soapstone, hard	22.2	229.6
Soapstone	5.0	234.6
Sand, hard	181.4	416.0
Sand	18.0	434.0
Soapstone	36.4	470.4
Rock	0.7	471.1
Shale	8.0	479.1
Sand	41.4	520.5
Sand, hard	21.5	542.0
Wautubbee clay		
Shale	41.8	583.8
Kosciusko sand		
Sand, hard	38.0	621.8
Sand	10.0	631.8
Soapstone	37.5	669.3
Sand	18.9	688.2
Soapstone	17.0	705.2
Rock, hard	1.1	706.3
Soapstone	9.0	715.3
Rock	0.8	716.1
Sand, hard	3.0	719.1
Rock	0.3	719.4
Sand	9.7	729.1
Soapstone	3.0	732.1
Rock	0.6	732.7
Sand, hard	11.0	743.7
Rock, soft	1.0	744.7
Sand	3.5	748.2
Kosciusko sand		
Rock	0.8	749.0
Sand	25.9	774.9
Zilpha clay		
Soapstone	75.2	850.1
Shale	2.0	852.1
Soapstone	8.0	860.1
Winona sand and Basic City shale		
Rock	0.7	860.8
Soapstone	4.0	864.8
Rock	0.3	865.1
Soapstone	4.0	869.1
Rock	0.3	869.4
Soapstone	3.0	872.4
Rock	0.3	872.7
Soapstone	3.0	875.7
Sand	4.0	879.7
Soapstone	1.0	880.7
Sand, medium	18.6	899.3
Soapstone	10.0	909.3
Rock	0.7	910.0
Sand	5.0	915.0
Rock, hard	0.8	915.8
Sand	20.7	936.5
Rock	0.5	937.0
Sand	11.6	948.6
Soapstone	2.0	950.6
Shale	2.0	952.6
Sand	12.8	965.4
Rock	2.8	968.2
Sand, hard	5.0	973.2
Shale	2.0	975.2
Rock	0.3	975.5
Sand	4.8	980.3
Sand, hard	5.0	985.3
Rock	0.5	985.8
Sand, hard	12.0	997.8
Rock	1.0	998.8
Sand	8.6	1007.4
Rock	2.3	1009.7
Sand, good	3.0	1012.7

TABLE 30—(Continued)

	Thick. feet	Depth feet
Winona sand and Basic City shale		
Rock	1.2	1013.9
Sand, hard	5.0	1018.9
Rock	0.4	1019.3
Shale	6.0	1025.3
Sand	12.0	1037.3
Rock	0.5	1037.8
Sand	5.0	1042.8
Winona sand and Basic City shale		
Soapstone	1.3	1044.1
Sand	5.0	1049.1
Rock	1.3	1050.4
Sand	2.0	1052.4
Rock, hard	0.8	1053.2
Sand	7.0	1060.2
Rock	4.9	1065.1

BOLIVAR COUNTY WELL 36b, NW.1/4, SW.1/4, SEC.12, T.22 N., R.5 W.

W. I. Davies — Driller: T. B. Minyard

Altitude: 139 ft.

	Thick. feet	Depth feet
Alluvium		
Clay	21.0	21.0
Sand	46.0	67.0
Gravel	81.0	148.0
Cockfield formation		
Sand	274.0	422.0
Wautubbee (?) clay		
Soapstone	75.3	497.3
Rock	0.4	497.7
Soapstone	6.3	504.0
Shale	2.0	506.0
Soapstone	85.5	591.5
Rock	.8	592.3
Soapstone	8.0	600.3
Kosciusko sand		
Sand	94.1	694.4
Sand, hard	61.9	756.3
Zilpha clay		
Soapstone	96.8	853.1
Winona sand and Basic City shale		
Rock	0.2	853.3
Soapstone	2.0	855.3
Rock	0.2	855.5
Sand, hard	2.0	857.5
Rock	0.2	857.7
Sand	4.1	861.8
Winona sand and Basic City shale		
Rock	0.5	862.3
Sand	3.0	865.3
Soapstone	4.0	869.3
Rock	0.3	869.6
Sand	6.0	875.6
Rock	0.2	875.8
Sand	31.2	907.0
Rock, hard	0.3	907.3
Soapstone	4.0	911.3
Rock	0.4	911.7
Soapstone	7.0	918.7
Rock	0.6	919.3
Sand	30.8	950.1
Soapstone	9.0	959.1
Rock	0.2	959.3
Sand	31.2	990.5
Rock	0.6	991.1
Sand	10.0	1001.1
Rock	0.6	1001.7
Sand	5.0	1006.7
Rock	0.7	1007.4
Sand	10.3	1017.7
Soapstone	11.0	1028.7
Rock	1.0	1029.7

TABLE 30—(Continued)

BOLIVAR COUNTY WELL 37, SW.1/4, SE.1/4, SEC.14, T.22 N., R.5 W.

Mrs. Henry Thomas
Altitude: 138 ft.

Driller: T. B. Minyard in 1938

	Thick. feet	Depth feet
Alluvium		
Clay, yellow	23.4	23.4
Sand, blue	23.9	47.3
Sand	38.5	85.8
Gravel	7.5	93.3
Gravel, heavy	43.7	137.0
Jackson		
Gumbo	33.8	170.8
Sand	18.6	189.4
Gumbo	31.0	220.4
Cockfield formation		
Sand	108.2	328.6
Gumbo	77.1	405.7
Sand	10.8	416.5
Gumbo	126.0	542.5
Wautubbee clay		
Shale, hard	18.7	561.2
Clay	15.3	576.5
Shale, sandy	19.3	595.8
Kosciusko sand		
Sand	23.3	619.1
Sand, hard	40.4	659.5
Clay	21.0	680.5
Sand	31.7	712.2
Clay	5.0	717.2
Sand	46.6	763.8
Zilpha clay		
Clay	97.6	861.4
Shale, sandy	12.7	874.1
Winona sand		
Sand	29.4	903.5
Rock, hard	1.7	905.2
Clay	13.4	918.6
Green sand	71.5	990.1
Basic City shale		
Clay	40.2	1030.3
Rock	2.7	1033.0
Green sand	4.0	1037.0
Rock, hard	0.7	1037.7
Green sand	11.0	1048.7
Gumbo	11.5	1060.2
Rock, hard	0.9	1061.1
Sand	8.0	1069.1
Gumbo	7.3	1076.4
Rock, hard	0.4	1076.8
Gumbo	2.0	1078.8
Rock, hard	0.3	1079.1
Gumbo	152.2	1231.3
Shale	4.0	1235.3
Gumbo	19.3	1254.6
Shale	10.9	1265.5
Gumbo	32.8	1298.3
Meridian (?) sand		
Sand	57.0	1355.3
Gumbo	3.0	1358.3

BOLIVAR COUNTY WELL 39a, NE.1/4, NW.1/4, SEC.21, T.22 N., R.5 W.

Town of Cleveland

Driller: Layne-Bowler in 1911

	Thick. feet	Depth feet
Alluvium		
Clay	26.5	26.5
Sand, fine blue	32.2	58.7
Sand, fine gray	40.3	99.0
Sand and gravel	32.7	131.7
Rock	0.5	132.2
Sand and gravel	17.0	149.2
Jackson		
Gumbo, blue	83.5	232.7
Cockfield formation		
Sand, white	84.0	316.7
Sand and gravel	141.4	458.1

TABLE 30—(Continued)

	Thick.	Depth
Wautubbee clay	feet	feet
Gumbo	8.0	466.1
Sand, fine	22.6	488.7
Gumbo	4.6	493.3
Kosciusko sand		
Sand, hard	333.5	826.8
Zilpha clay		
Gumbo	84.9	911.7
Rock	0.5	912.2
Winona sand		
Gumbo	26.0	938.2
Sand	32.3	970.5
Gumbo	2.0	972.5
Rock	0.3	972.8
Gumbo	2.0	974.8
Rock	0.7	975.5
Gumbo	10.8	986.3
Rock	1.5	987.8
Sand, fine	20.0	1007.8
Rock	0.7	1008.5

	Thick.	Depth
Winona sand	feet	feet
Sand	6.0	1014.5
Rock	0.3	1014.8
Sand	4.0	1018.8
Rock	0.5	1019.3
Sand	46.0	1065.3
Basic City shale		
Gumbo	26.8	1092.1
Rock	1.0	1093.1
Gumbo	56.7	1149.8
Rock	0.5	1150.3
Gumbo	27.2	1177.5
Sand	21.7	1199.2
Gumbo	94.6	1293.8
Sand	21.6	1315.4
Gumbo	39.8	1355.2
Meridian sand		
Sand	66.2	1421.4
Gumbo	3.0	1424.4
Rock	0.2	1424.6

BOLIVAR COUNTY WELL 40, SW.1/4, NE.1/4, SEC.24, T.22 N., R.7 W.

P. H. Brooks and Co — Driller: T. B. Minyard
Altitude: 131 ft. — in 1935

	Thick.	Depth
Alluvium	feet	feet
Clay	21.2	21.2
Sand	52.4	73.6
Gravel	34.4	108.0
Rock	0.9	108.9
Sand	17.3	126.2
Not reported	21.4	147.6
Gravel	10.0	157.6
Yazoo clay		
Clay	73.9	231.5
Cockfield formation		
Sand, hard	21.3	252.8
Sand	387.7	640.5
Clay	1.0	641.5
Sand	1.0	642.5
Clay	2.0	644.5
Sand	17.5	662.0
Wautubbee clay		
Clay	10.0	672.0
Gumbo	11.5	683.5

	Thick.	Depth
Wautubbee clay	feet	feet
Clay, hard	11.0	694.5
Rock	0.3	694.8
Clay	1.0	695.8
Sand	3.0	698.8
Shale	6.0	704.8
Shale, gumbo	63.0	767.8
Kosciusko sand		
Clay	42.2	810.0
Gumbo	26.0	836.0
Clay	4.0	840.0
Gumbo	7.0	847.0
Sand, hard	24.5	871.5
Gumbo	1.8	873.3
Sand, hard	6.0	879.3
Gumbo	2.0	881.3
Sand	21.8	903.1
Gumbo	11.2	914.3
Sand, hard	41.1	955.4
Sand, soft	31.4	986.8

TABLE 30—(Continued)

	Thick. feet	Depth feet
Kosciusko sand		
Clay	9.9	996.7
Sand, loose	10.0	1006.7
Clay	10.5	1017.2
Gumbo	21.1	1038.3
Sand, hard	10.0	1048.3
Gumbo	4.0	1052.3
Sand, hard	21.7	1074.0
Zilpha clay		
Gumbo	7.7	1081.7
Gumbo, hard	21.6	1103.3
Gumbo, shale	21.7	1125.0
Gumbo	30.1	1155.1
Winona sand		
Rock, soft	0.3	1155.4
Green sand	3.0	1158.4
Rock, hard	0.5	1158.9
Sand	5.0	1163.9
Gumbo	2.8	1166.7
Sand	2.0	1168.7
Shale	1.0	1169.7
Gumbo	2.0	1171.7
Sand, loose	26.6	1198.3
Rock, soft	0.3	1198.6
Sand, loose	6.0	1204.6
Rock, hard	3.1	1207.7
Sand, loose	8.0	1215.7
Clay	3.0	1218.7
Sand	10.9	1229.6
Basic City shale		
Gumbo	21.1	1250.7
Clay	4.0	1254.7
Rock, soft	0.3	1255.0
Gumbo	2.0	1257.0
Not reported	15.6	1272.6
Sand	20.0	1292.6
Clay	1.6	1294.2
Sand	14.8	1309.0
Rock, hard	2.2	1311.2
Clay	2.0	1313.2
Shale	1.0	1314.2
Rock	2.3	1316.5
Basic City shale		
Clay	4.0	1320.5
Rock, soft	0.3	1320.8
Sand	20.4	1341.2
Rock, hard	0.7	1341.9
Clay shale	5.0	1346.9
Rock, hard	10.8	1357.7
Gumbo, soft	10.0	1367.7
Rock, hard	0.8	1368.5
Gumbo	2.0	1370.5
Rock, hard	0.3	1370.8
Gumbo	1.0	1371.8
Rock, soft	0.2	1372.0
Gumbo, shale	4.0	1376.0
Sand	4.4	1380.4
Rock, hard	0.7	1381.1
Sand	2.0	1383.1
Rock	0.2	1383.3
Clay	1.0	1384.3
Rock	0.3	1384.6
Clay	2.0	1386.6
Sand	19.5	1405.1
Clay	15.6	1420.7
Sand	2.0	1422.7
Clay	3.0	1425.7
Shale, hard gray	16.0	1441.7
Shale, hard gummy	5.0	1446.7
Shale	12.0	1458.7
Clay	5.0	1463.7
Clay shale	5.0	1468.7
Rock shale, hard	0.2	1468.9
Meridian sand		
Sand	12.0	1480.9
Shale	3.5	1484.4
Sand	3.0	1487.4
Rock	0.3	1487.7
Sand	3.0	1490.7
Rock	0.5	1491.2
Sand	19.9	1511.1
Rock	0.3	1511.4
Sand	18.0	1529.4
Rock	(?)	

TABLE 30—(Continued)

BOLIVAR COUNTY WELL 42, NW.1/4, NW.1/4, SEC.25, T.22 N., R.5 W.

G. A. Wilson
Altitude: 135 ft.

Driller: T. B. Minyard
in 1918

	Thick. feet	Depth feet
Alluvium		
Clay	17.0	17.0
Sand	45.0	62.0
Sand and gravel	20.0	82.0
Gravel	62.0	144.0
Cockfield formation		
Sand	116.6	260.6
Clay	43.8	304.4
Sand, hard	53.0	357.4
Sand, medium hard	21.0	378.4
Sand, hard	104.1	482.5
Wautubbee clay		
Clay	32.8	515.3
Rock	1.0	516.3
Sand	7.0	523.3
Shale	2.0	525.3
Sand	19.3	544.6
Rock	0.5	545.1
Clay	38.5	583.6
Kosciusko sand		
Sand	11.2	594.8
Sand, loose	21.4	616.2
Sand	50.9	667.1
Clay	66.0	733.1
Shale	2.0	735.1
Sand	4.0	739.1
Zilpha clay		
Clay	57.1	796.2
Winona sand		
Rock	0.6	796.8
Sand	20.1	816.9
Rock	0.6	817.5
Sand	2.0	819.5
Shale	2.0	821.5
Basic City shale		
Clay	3.0	824.5
Shale	4.8	829.3
Rock	0.7	830.0
Basic City shale		
Clay	4.0	834.0
Rock	0.2	834.2
Sand	2.0	836.2
Rock	0.7	836.9
Sand	1.0	837.9
Rock	0.3	838.2
Clay	5.0	843.2
Sand	2.0	845.2
Rock	1.0	846.2
Sand	1.0	847.2
Clay	3.0	850.2
Rock	0.5	850.7
Sand, water-bearing	3.0	853.7
Rock	0.8	854.5
Sand	5.0	859.5
Rock	1.8	861.3
Sand	7.4	868.7
Rock	1.0	869.7
Sand, good	4.0	873.7
Rock	0.3	874.0
Sand, good	17.6	891.6
Rock	0.2	891.8
Sand	1.0	892.8
Rock	0.6	893.4
Sand, water-bearing	30.0	923.4
Clay	2.0	925.4
Sand	2.0	927.4
Clay	2.0	929.4
Clay, hard	20.9	950.3
Clay	6.0	956.3
Rock, hard	0.4	956.7
Sand, hard	3.0	959.7
Sand	10.1	969.8
Rock	(?)	———

TABLE 30—(Continued)

BOLIVAR COUNTY WELL 48, NW.1/4, NW.1/4, SEC.1, T.21 N., R.6 W.

T. R. Handley et al — Driller: T. B. Minyard in 1939

Altitude: 137 ft.

	Thick. feet	Depth feet
Alluvium		
Clay	12.0	12.0
Sand	57.4	69.4
Gravel	2.0	71.4
Sand	3.0	74.4
Gravel	87.0	161.4
Sand and fine gravel	15.0	176.4
Cockfield formation		
Sand	147.0	323.4
Clay	3.0	326.4
Sand, hard	217.0	543.4
Clay	6.0	549.4
Sand, hard	30.0	579.4
Wautubbee (?) clay		
Clay	74.0	653.4
Kosciusko sand		
Sand	10.0	663.4
Clay	8.0	671.4
Sand	21.0	692.4
Clay	12.0	704.4
Sand	70.0	774.4
Clay, gummy	52.0	826.4
Shale gumbo	25.0	851.4
Sand, hard	52.0	903.4
Clay	23.0	926.4
Shale gumbo	8.0	934.4
Sand, hard	52.0	986.4
Zilpha clay		
Clay	15.0	1001.4
Gravel (?)	2.0	1003.4
Clay, gummy	24.4	1027.8
Clay, hard crumbly	11.0	1038.8
Rock, soft	0.3	1039.1
Clay, hard crumbly	22.9	1062.0
Rock, soft	0.6	1062.6
Winona sand and Basic City shale		
Green sand, hard	18.6	1081.2
Rock, soft	0.8	1082.0
Sand	2.0	1084.0
Winona sand and Basic City shale		
Rock, hard	0.2	1084.2
Sand	10.2	1094.4
Clay, gummy	5.0	1099.4
Shale gumbo	5.0	1104.4
Sand	3.0	1107.4
Shale gumbo, hard	37.1	1144.5
Sand, hard	10.7	1155.2
Sand, soft	19.0	1174.2
Shale gumbo	18.6	1192.8
Rock, soft	0.5	1193.3
Sand, hard	7.7	1201.0
Shale gumbo	2.0	1203.0
Sand, hard	14.0	1217.0
Rock	1.5	1218.5
Sand, hard	11.0	1229.5
Rock, soft	0.5	1230.0
Sand	1.0	1231.0
Rock, soft	1.5	1232.5
Sand	2.0	1234.5
Rock, soft	0.3	1234.8
Sand	2.0	1236.8
Rock, hard	0.4	1237.2
Sand	1.0	1238.2
Rock, soft	0.6	1238.8
Not reported	22.4	1261.2
Clay, crumbly	6.0	1267.2
Sand	15.0	1282.2
Rock, hard	0.2	1282.4
Clay, crumbly	2.0	1284.4
Sand	2.0	1286.4
Rock, hard	0.3	1286.7
Sand	3.0	1289.7
Rock, soft	1.3	1291.0
Sand	5.0	1296.0
Rock, soft	0.2	1296.2
Sand	10.1	1306.3
Clay	1.0	1307.3
Sand	8.0	1315.3

TABLE 30—(Continued)

	Thick. feet	Depth feet
Winona sand and Basic City shale		
Clay shale	10.2	1325.5
Clay, hard gummy	3.0	1328.5
Sand, hard	10.0	1338.5
Clay shale, hard	11.0	1349.5
Sand, hard	12.0	1361.5
Shale	4.0	1365.5
Sand, brown	5.8	1371.3
Meridian sand		
Rock, soft	0.3	1371.6
Sand	25.8	1397.4
Clay, gummy	2.0	1399.4
Sand	2.0	1401.4
Meridian sand		
Clay	3.0	1404.4
Sand	9.1	1413.5
Clay shale	2.0	1415.5
Sand, hard	20.3	1435.8
Clay	4.0	1439.8
Not reported	12.2	1452.0
Sand	11.0	1463.0
Clay	4.0	1467.0
Sand	29.9	1496.9
Clay	1.0	1497.9
Sand, hard	7.0	1504.9
Shale	1.0	1505.9
Sand, hard	10.4	1516.3

BOLIVAR COUNTY WELL 50, NE.1/4, SE.1/4, SEC.17, T.21 N., R.5 W.

Jones Bayou Gin Assoc. Driller: T. B. Minyard
Altitude: 134 ft. in 1914(?)

	Thick. feet	Depth feet
Alluvium		
Gumbo	36.0	36.0
Sand	26.0	62.0
Gravel	52.0	114.0
Rock	0.4	114.4
Gravel, bad	35.0	149.4
Cockfield formation		
Sand	18.9	168.3
Clay	2.0	170.3
Sand	4.0	174.3
Clay	46.0	220.3
Sand	11.7	232.0
Sand, hard	99.7	331.7
Clay	2.0	333.7
Sand, hard	64.7	398.4
Rock	0.5	398.9
Clay	25.5	424.4
Sand	10.0	434.4
Shale	3.0	437.4
Sand	3.9	441.3
Sand, hard	42.6	483.9
Sand	8.0	491.9
Clay	10.0	501.9
Shale	3.0	504.9
Clay	6.0	510.9
Cockfield formation		
Sand, hard	29.9	540.8
Wautubbee clay		
Clay	12.0	552.8
Rock	0.3	553.1
Clay	10.0	563.1
Shale	2.0	565.1
Sand	2.7	567.8
Clay	20.7	588.5
Kosciusko sand		
Sand, hard	25.4	613.9
Shale	3.0	616.9
Sand, hard	53.3	670.2
Sand	4.0	674.2
Rock, hard	0.8	675.0
Sand, hard	15.3	690.3
Sand	20.9	711.2
Sand, hard	126.1	837.3
Shale, hard	16.0	853.3
Clay	18.7	872.0
Sand	14.8	886.8
Clay	5.0	891.8
Sand, loose	41.7	933.5
Clay	16.3	949.8

TABLE 30—(Continued)

	Thick. feet	Depth feet
Zilpha clay		
Sand	3.0	952.8
Rock, soft	0.1	952.9
Sand, hard	3.0	955.9
Rock, hard	0.3	956.2
Clay	1.0	957.2
Rock, hard	0.2	957.4
Stone	1.0	958.4
Rock	0.2	958.6
Clay	1.0	959.6
Sand	3.0	962.6
Rock, soft	0.1	962.7
Sand, hard	3.0	965.7
Rock, hard	0.3	966.0
Clay	1.0	967.0
Rock	0.2	967.2
Clay	1.0	968.2
Rock, hard	0.2	968.4
Clay	1.0	969.4
Rock	0.1	969.5
Clay	1.0	970.5
Rock	0.3	970.8
Clay	0.6	971.4
Rock	0.5	971.9
Shale	3.0	974.9
Sand	2.0	976.9
Rock	0.3	977.2
Shale	3.0	980.2
Rock	2.0	982.2
Sand	1.0	983.2
Rock	0.7	983.9
Sand	1.0	984.9
Rock	1.7	986.6
Shale	2.0	988.6
Rock, hard	0.3	988.9
Sand	2.8	991.7
Clay	10.0	1001.7
Rock	0.3	1002.0
Shale	3.0	1005.0
Stone	5.7	1010.7
Clay	42.6	1053.3
Winona sand and Basic City shale		
Sand	3.0	1056.3
Rock	0.7	1057.0

	Thick. feet	Depth feet
Winona sand and Basic City shale		
Clay	10.0	1067.0
Sand	3.0	1070.0
Shale	4.0	1074.0
Sand	3.0	1077.0
Rock	0.3	1077.3
Sand	5.0	1082.3
Rock	0.7	1083.0
Sand, medium	9.0	1092.0
Sand, hard	12.0	1104.0
Rock, hard	0.6	1104.6
Sand, good	2.0	1106.6
Rock	0.3	1106.9
Sand, good	2.0	1108.9
Clay	9.0	1117.9
Rock	0.5	1118.4
Sand	2.0	1120.4
Rock	2.7	1123.1
Sand, hard	6.0	1129.1
Rock, hard	1.3	1130.4
Clay	1.0	1131.4
Rock	0.7	1132.1
Sand	13.9	1146.0
Clay	6.0	1152.0
Rock	0.7	1152.7
Shale	2.0	1154.7
Clay	6.1	1160.8
Shale	2.0	1162.8
Sand, good	2.0	1164.8
Shale	2.0	1166.8
Sand, good	21.5	1188.3
Clay	2.0	1190.3
Shale	2.0	1192.3
Clay	13.8	1206.1
Sand, good	4.0	1210.1
Rock, hard	3.0	1213.1
Sand, medium hard	1.0	1214.1
Rock, hard	1.3	121[F]
Sand, water-bearing	?	
Clay		
Rock		
Sand, water-bearing		

TABLE 30—(Continued)

Winona sand and Basic City shale	Thick. feet	Depth feet
Clay	7.0	1230.0
Sand, water-bearing	2.0	1232.0
Clay	3.0	1235.0
Sand, water-bearing	3.9	1238.9
Clay	2.0	1240.9
Sand	3.0	1243.9
Clay	6.0	1249.9
Rock, hard	2.0	1251.9
Sand, water-bearing	5.0	1256.9
Shale	2.2	1259.1
Clay	2.0	1261.1
Rock, soft	2.0	1263.1
Rock, hard	1.7	1264.8
Clay	2.0	1266.8
Rock, hard	0.5	1267.3
Meridian sand		
Sand	5.0	1272.3
Clay	2.0	1274.3
Sand	5.6	1279.9
Clay	3.0	1282.9
Sand, hard	10.0	1292.9
Clay	2.0	1294.9
Shale	10.7	1305.6
Sand	2.0	1307.6
Shale	2.0	1309.6

BOLIVAR COUNTY WELL 53a, SEC.5, T.21 N., R.8 W.

Leon Speckter — Driller: Delta Drilling Co. in 1940
Altitude: 138 ft.

	Thick. feet	Depth feet
Alluvium		
Soil	4.0	4.0
Sand	18.5	22.5
Sand, dry	17.3	39.8
Sand	18.1	57.9
Sand and gravel	17.4	75.3
Gravel	35.3	110.6
Jackson		
Gumbo	38.5	149.1
Rock	0.3	149.4
Sand	4.0	153.4
Rock	0.4	153.8
Gumbo, hard	7.3	161.1
Sand and gumbo	17.4	178.5
Gumbo	52.3	230.8
Sand	5.0	235.8
Gumbo	28.2	264.0
Cockfield formation		
Sand	26.8	290.8
Gumbo	25.0	315.8
Gumbo, hard	16.4	332.2
Shale, hard	17.4	349.6
Sand, hard	17.2	366.8
Sand	52.7	419.5
Sand, hard, or shale	35.2	454.7
Sand, hard, and thin shale strata	17.1	471.8
Sand, water-bearing	17.0	488.8
Sand	17.5	506.3

BOLIVAR COUNTY WELL 54, NE.1/4, NW.1/4, SEC.13, T.21 N., R.9 W.

Delta Pine & Land Co. — Driller: C. M. Journey in 1936
Altitude: 138 ft.

	Thick. feet	Depth feet
Alluvium		
Loam, sandy	24.0	24.0
Sand	69.0	93.0
Gravel	24.0	117.0
Jackson		
Sand	8.0	125.0
Shale	9.0	134.0
Gumbo	19.0	153.0

TABLE 30—(Continued)

	Thick. feet	Depth feet
Jackson		
Rock	0.6	153.6
Gumbo	63.4	217.0
Rock	1.8	218.8
Gumbo	2.2	221.0
Rock	1.1	222.1
Gumbo	15.9	238.0
Rock	0.9	238.9
Gumbo	5.1	244.0
Rock	1.3	245.3
Gumbo	3.7	249.0
Cockfield formation		
Sand	31.0	280.0
Gumbo	53.0	333.0
Clay	9.0	342.0
Rock	1.8	343.8
Clay	10.2	354.0
Sand	16.0	370.0
Gumbo	5.0	375.0
Sand	21.0	396.0
Gumbo	42.0	438.0

BOLIVAR COUNTY WELL 55, NE.1/4, SE.1/4, SEC.15, T.21 N., R.9 W.

Delta Pine & Land Co. Driller: C. M. Journey
Altitude: 135 ft. in 1936

	Thick. feet	Depth feet
Alluvium		
Gumbo	2.0	2.0
Soil	22.0	24.0
Sand	59.0	83.0
Gravel	27.0	110.0
Jackson		
Sand	6.0	116.0
Rock	1.5	117.5
Gumbo	33.5	151.0
Rock	1.0	152.0
Jackson		
Gumbo	17.0	169.0
Sand	10.0	179.0
Gumbo	101.0	280.0
Sandy shale	12.0	292.0
Cockfield formation		
Sand	8.0	300.0
Gumbo	3.0	303.0
Sand (screen)	25.0	328.0
Gumbo	5.0	333.0

BOLIVAR COUNTY WELL 58, NE.1/4, SE.1/4, SEC.2, T.20 N., R.6 W.

A. E. Graham Driller: T. B. Minyard
Altitude: 131.9 ft. in 1918

	Thick. feet	Depth feet
Alluvium		
Soil	20.0	20.0
Sand	60.0	80.0
Gravel	66.0	146.0
Cockfield formation		
Sand	69.9	215.9
Clay	4.0	219.9
Sand	17.5	237.4
Clay	4.0	241.4
Sand	27.4	268.8
Clay	5.4	274.2
Clay and thin strata of sand	20.4	294.6
Sand	3.0	297.6
Cockfield formation		
Clay	4.0	301.6
Sand and clay	32.7	334.3
Sand	4.0	338.3
Clay	10.0	348.3
Sand	81.1	429.4
Clay	15.1	444.5
Sand	87.2	531.7
Clay	15.5	547.2
Sand and thin strata of clay	22.6	569.8
Sand	124.0	693.8
Wautubbee clay		
Clay	23.4	717.2

TABLE 30—(Continued)

	Thick.	Depth
Kosciusko sand	feet	feet
Sand	87.6	804.8
Clay	149.6	954.4
Sand	12.8	967.2
Clay	8.0	975.2
Sand	16.1	991.3
Clay	6.0	997.3
Sand	38.1	1035.4
Clay	21.6	1057.0
Sand	17.0	1074.0
Zilpha clay		
Clay	64.0	1138.0
Rock	0.8	1138.8
Clay	23.8	1162.6
Winona sand		
Rock	0.5	1163.1
Sand	2.0	1165.1
Rock	1.8	1166.9
Sand	1.0	1167.9
Rock	0.8	1168.7
Sand	2.0	1170.7
Rock	0.6	1171.3
Sand	3.0	1174.3
Rock	0.5	1174.8
Clay and sand	11.8	1186.6
Clay	21.6	1208.2
Green sand	20.3	1228.5
Sand	4.0	1232.5
Clay	31.5	1264.0
Sand	4.0	1268.0

	Thick.	Depth
Winona sand	feet	feet
Clay	6.7	1274.7
Sand	8.0	1282.7
Rock	0.6	1283.3
Sand	1.0	1284.3
Rock	0.2	1284.5
Sand	7.3	1291.8
Green sand	21.2	1313.0
Sand	15.0	1328.0
Rock	0.5	1328.5
Green sand	6.0	1334.5
Basic City shale		
Rock	0.5	1335.0
Sand	3.0	1338.0
Rock	0.3	1338.3
Sand and thin strata of soapstone	17.5	1355.8
Sand	10.0	1365.8
Rock	0.2	1366.0
Sand	1.0	1367.0
Rock	2.0	1369.0
Sand	1.0	1370.0
Clay	6.4	1376.4
Sand	4.0	1380.4
Rock	0.2	1380.6
Sand	20.6	1401.2
Clay	3.0	1404.2
Shale	1.0	1405.2
Sand	12.4	1417.6
Clay	41.6	1459.2

BOLIVAR COUNTY WELL 62, NE.1/4, SE.1/4, SEC.13, T.20 N., R.9 W.

Delta Pine & Land Co. Driller: C. M. Journey in 1936

	Thick.	Depth
Alluvium	feet	feet
Clay	16.0	16.0
Sand	25.0	41.0
Gumbo	14.0	55.0
Sand	12.0	67.0
Gumbo	17.0	84.0
Sand	18.0	102.0
Jackson		
Gumbo	99.0	201.0

	Thick.	Depth
Jackson	feet	feet
Rock	.9	201.9
Gumbo	23.1	225.0
Cockfield formation		
Sand	31.0	256.0
Gumbo	66.0	322.0
Rock	0.9	322.9
Gumbo	11.1	334.0
Sand	9.0	343.0

TABLE 30—(Continued)

	Thick. feet	Depth feet
Cockfield formation		
Gumbo	8.0	351.0
Sand	12.0	363.0
Gumbo	17.0	380.0
Sand	10.0	390.0
Cockfield formation		
Gumbo	16.0	406.0
Sand	7.0	413.0
Gumbo	2.0	415.0

BOLIVAR COUNTY WELL 68, NE.1/4, NE.1/4, SEC.9, T.20 N., R.6 W.

Town of Shaw — Driller: T. B. Minyard
Altitude: 124 ft.

	Thick. feet	Depth feet
Alluvium		
Sand	149.0	149.0
Sand and gravel	20.7	169.7
Jackson		
Clay	144.4	314.1
Shale, sandy	20.1	334.2
Cockfield formation		
Sand, hard	147.7	481.9
Clay	43.3	525.2
Sand, hard	22.1	547.3
Sand, loose	22.3	569.6
Clay	21.2	590.8
Sand, hard	83.4	674.2
Wautubbee (?) clay		
Clay	22.2	696.4
Kosciusko sand		
Shale, hard	128.2	824.6
Shale	21.1	845.7
Shale, hard	43.0	888.7
Clay	20.9	909.6
Shale	186.7	1096.3
Zilpha clay		
Clay	20.8	1117.1
Zilpha clay		
Rock	19.6	1136.7
Clay	17.5	1154.2
Winona sand and Basic City shale		
Rock	20.7	1174.9
Shale	19.9	1194.8
Rock, hard	18.5	1213.3
Shale, hard	19.8	1233.1
Sand, water-bearing	19.4	1252.5
Clay	20.0	1272.5
Shale, hard	19.5	1292.0
Clay	20.3	1312.3
Rock, hard	20.6	1332.9
Shale, hard	20.1	1353.0
Rock, hard	19.1	1372.1
Sand, water-bearing	37.7	1409.8
Clay	20.6	1430.4
Sand, water-bearing	20.1	1450.5
Clay	19.8	1470.3

BOLIVAR COUNTY WELL 71, SW.1/4, SE.1/4, SEC.22, T.20 N., R.7 W.

Noel Woods — Driller: T. B. Minyard in 1937
Altitude: 126 ft.

	Thick. feet	Depth feet
Alluvium		
Gumbo	23.1	23.1
Sand	57.5	80.6
Gravel	10.0	90.6
Sand	2.0	92.6
Gravel	15.7	108.3
Alluvium		
Sand	3.0	111.3
Gravel	8.9	120.2
Sand	4.0	124.2
Gravel, bad	28.8	153.0

TABLE 30—(Continued)

	Thick. feet	Depth feet
Jackson		
Sand	8.3	161.3
Gumbo	34.9	196.2
Rock, soft	0.9	197.1
Sand	5.9	203.0
Shale	10.0	213.0
Gumbo, hard	19.2	232.2
Sand	24.0	256.2
Gumbo, hard	43.4	299.6
Clay, hard	10.0	309.6
Shale	3.0	312.6
Sand	5.0	317.6
Shale	1.8	319.4
Clay	13.0	332.4
Sand	3.0	335.4
Cockfield formation		
Clay	4.0	339.4
Sand	14.0	353.4
Clay	3.0	356.4
Sand	2.7	359.1
Sand, hard	89.7	448.8
Gumbo	0.2	449.0
Sand, hard	60.3	509.3
Gumbo	24.9	534.2
Rock, hard	0.3	534.5
Gumbo	5.5	540.0
Gumbo, hard	9.0	549.0
Sand	2.0	551.0
Rock, hard	1.3	552.3
Sand, hard	15.9	568.2
Gumbo	2.0	570.2
Sand	102.9	673.1
Gumbo	8.8	681.9
Sand	44.4	726.3
Gumbo	2.0	728.3
Sand	4.0	732.3
Gumbo	3.0	735.3
Sand	17.0	752.3
Wautubbee clay		
Clay	23.7	776.0
Shale	8.0	784.0
Clay	15.4	799.4
Gumbo, hard	15.9	815.3
Sand	5.0	820.3
Gumbo	10.8	831.1
Wautubbee clay		
Gumbo, shale	100.8	931.9
Gumbo	8.0	939.9
Kosciusko sand		
Sand	106.5	1046.4
Gumbo	8.3	1054.7
Sand	9.0	1063.7
Gumbo	2.0	1065.7
Sand	9.5	1075.2
Gumbo	2.0	1077.2
Sand	69.4	1146.6
Sandstone	2.0	1148.6
Sand	29.2	1177.8
Gumbo	14.5	1192.3
Gumbo shale	20.5	1212.8
Gumbo and shale	8.0	1220.8
Sand	6.0	1226.8
Soapstone	2.0	1228.8
Shale	3.0	1231.8
Sand	33.4	1265.2
Zilpha clay		
Gumbo	12.1	1277.3
Gumbo and shale	20.7	1298.0
Gumbo shale	23.4	1321.4
Rock, soft	0.3	1321.7
Gumbo	19.6	1341.3
Shale, hard	8.0	1349.3
Winona sand and Basic City shale		
Green sand	2.0	1351.3
Rock, hard	0.3	1351.6
Sand	2.0	1353.6
Rock, hard	0.7	1354.3
Sand	3.0	1357.3
Rock	1.5	1358.8
Shale, hard	3.0	1361.8
Rock	8.9	1370.7
Sand	6.0	1376.7
Rock	0.7	1377.4
Sand	4.0	1381.4
Rock	0.3	1381.7
Gumbo	3.6	1385.3
Rock, hard	0.7	1386.0
Shale, hard	2.0	1388.0

TABLE 30—(Continued)

	Thick. feet	Depth feet
Winona sand and Basic City shale		
Gumbo shale	17.0	1405.0
Rock	0.4	1405.4
Gumbo	5.9-	1411.3
Rock	0.3	1411.6
Gumbo	11.4	1423.0
Gumbo shale	6.0	1429.0
Sand	2.0	1431.0
Gumbo	2.0	1433.0
Sand	7.0	1440.0
Rock, hard	0.3	1440.3
Sand	2.0	1442.3
Gumbo	2.0	1444.3
Rock, hard	0.5	1444.8
Sand	5.0	1449.8
Rock, hard	0.4	1450.2
Sand	19.9	1470.1
Clay	4.0	1474.1
Sand	8.0	1482.1
Gumbo shale	9.8	1491.9
Winona sand and Basic City shale		
Sand	3.0	1494.9
Gumbo shale	6.0	1500.9
Rock, soft	0.3	1501.2
Sand	1.0	1502.2
Rock	0.4	1502.6
Sand	5.0	1507.6
Rock	0.6	1508.2
Sand	2.0	1510.2
Rock	0.2	1510.4
Sand	8.0	1518.4
Rock	0.3	1518.7
Sand	1.0	1519.7
Rock	0.3	1520.0
Sand	12.7	1532.7
Shale	9.0	1541.7
Rock, hard	7.6	1549.3
Gumbo	6.0	1555.3
Sand, good	28.3	1583.6
Gumbo shale	8.7	1592.3

CARROLL COUNTY WELL 30, NW.1/4, SE.1/4, SEC.23, T.20 N., R.2 E.

John Long
Altitude: 170 ft.

Driller: R. H. Ray for C. M. Journey

	Thick. feet	Depth feet
Alluvium		
Soil and clay	20.4	20.4
Sand	21.7	42.1
Sand and gravel	19.5	61.6
Gravel	14.0	75.6
Zilpha clay and possibly Kosciusko sand		
Clay	50.1	125.7
Rock	0.9	126.6
Clay	3.0	129.6
Rock	0.4	130.0
Shale	3.0	133.0
Rock	0.3	133.3
Shale	5.0	138.3
Rock	1.5	139.8
Shale	3.0	142.8
Rock	0.7	143.5
Shale	1.0	144.5
Zilpha clay and possibly Kosciusko sand		
Rock	0.9	145.4
Sandy shale	15.0	160.4
Winona sand		
Rock	5.0	165.4
Green sand	53.9	219.3
Rock	0.5	219.8
Sand	24.0	243.8
Rock	0.5	244.3
Sand	8.0	252.3
Basic City shale		
Clay	5.0	257.3
Sand	12.0	269.3
Clay	5.0	274.3
Thin beds of clay and sand	42.2	316.5

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet
Shale	2.0	318.5
Rock	0.4	318.9
Clay	3.0	321.9
Sand	8.0	329.9
Rock	0.2	330.1
Sand	4.0	334.1
Rock	0.2	334.3
Sand	22.0	356.3
Sandstone	4.0	360.3
Clay	4.0	364.3
Hard sand	51.9	416.2
Clay	12.0	428.2
Shale	15.0	443.2
Green sand	20.0	463.2
Shale	6.0	469.2
Green sand	26.6	495.8
Hard shale	32.0	527.8
Meridian sand		
Sand	60.3	588.1
Clay	5.0	593.1
Sand	42.1	635.2

CARROLL COUNTY WELL 63, NE.1/4, NW.1/4, SEC.30, T.18 N., R.2 E.

Ralph Rivvett
Altitude: 125 ft.
Driller: Delta Drilling Co. in 1941

Alluvium	Thick. feet	Depth feet
Dirt	10.0	10.0
Sand	23.2	33.2
Gravel	25.2	58.4
Sand	26.4	84.8
Gravel	38.2	123.0
Kosciusko sand		
Gumbo	4.2	127.2
Sand	82.3	209.5
Hard shale	40.4	249.9
Gumbo	25.9	275.8
Sand	5.0	280.8
Shale	12.9	293.7
Hard shale	21.7	315.4
Sand	56.9	372.3
Zilpha clay		
Shale	4.0	376.3
Gumbo	95.9	472.2
Zilpha clay		
Hard shale	5.2	477.4
Winona sand		
Green sand	39.9	517.3
Sand	14.2	531.5
Gumbo	6.0	537.5
Sand	16.0	553.5
Gumbo	3.0	556.5
Shale rock	.3	556.8
Hard rock	.8	557.6
Sand	32.0	589.6
Gumbo	9.0	598.6
Shale rock	.4	599.0
Basic City shale		
Shale	2.0	601.0
Hard rock	1.0	602.0
Sand	11.0	613.0

COAHOMA COUNTY WELL 2a, SE.1/4, NW.1/4, SEC.23, T.30 N., R.12 W.

McKinzie and Wilsford
Altitude: 182 ft.
Driller: T. B. Minyard in 1925

Alluvium	Thick. feet	Depth feet
Soil	23.0	23.0
Clay, blue	36.2	59.2
Sand	45.2	104.4
Gravel	30.5	134.9
Sand	23.0	157.9
Rock, medium	1.0	158.9
Sand	20.7	179.6
Yazoo clay		
Clay, gummy	202.8	382.4

TABLE 30—(Continued)

	Thick. feet	Depth feet
Cockfield formation		
Sand	43.9	426.3
Clay, gummy	61.4	487.7
Sand, fine	34.0	521.7
Kosciusko sand		
Clay, gummy	63.9	585.6
Sand	60.0	645.6
Basic City shale		
Rock, medium	0.3	645.9
Sand	2.0	647.9
Rock, medium	0.3	648.2
Clay	4.0	652.2
Rock, medium	0.2	652.4
Clay	10.0	662.4
Rock, hard	0.3	662.7
Clay	10.0	672.7
Rock, hard	0.4	673.1
Clay	26.0	699.1
Sand	55.2	754.3
Clay	13.0	767.3
Sand	7.3	774.6
Basic City shale		
Clay	36.1	810.7
Sand	37.1	847.8
Clay, gummy	52.2	900.0
Sand	10.5	910.5
Clay, gummy	26.4	936.9
Sand	12.0	948.9
Rock, medium	1.4	950.3
Sand	22.0	972.3
Clay, gummy	13.0	985.3
Meridian sand		
Shale	2.8	988.1
Sand	96.5	1084.6
Clay	13.8	1098.4
Sand	7.0	1105.4
Clay	4.1	1109.5
Sand	36.5	1146.0
Clay	9.3	1155.3
Sand	12.0	1167.3
Clay	4.0	1171.3
Sand	46.4	1217.7
Clay	23.7	1241.4

COAHOMA COUNTY WELL 3a, SW.1/4, SE.1/4, SEC.23, T.30 N., R.12 W.

T. G. Wilsford Well 3 — Driller: C. M. Journey in 1941

	Thick. feet	Depth feet
Alluvium		
Sand	110.0	110.0
Gravel	91.0	201.0
Yazoo clay		
Sand	6.0	207.0
Gumbo	53.0	260.0
Cockfield formation		
Sand	145.0	405.0
Gumbo	28.0	433.0
Sand	10.0	443.0
Gumbo	12.0	455.0
Shale	22.0	477.0
Shale and gumbo	22.0	499.0
Shale	12.0	511.0
Kosciusko sand		
Gumbo	81.0	592.0
Rock	1.0	593.0
Sand	64.0	657.0
Zilpha clay and Basic City shale		
Rock and shale	11.0	668.0
Gumbo	14.0	682.0
Rock	1.0	683.0
Gumbo	49.0	732.0
Shale and sand	22.0	754.0
Sand	22.0	776.0
Sand and gumbo	22.0	798.0
Gumbo	22.0	820.0
Sand and shale	87.5	907.5
Gumbo	62.5	970.0
Meridian sand		
Sand and shale	22.0	992.0
Sand	106.0	1098.0
Gumbo	19.0	1117.0
Wilcox (?)		
Gumbo, hard	19.5	1136.5
Not reported	570.5	1707.0

TABLE 30—(Continued)

COAHOMA COUNTY WELL 11, NW.1/4, SW.1/4, SEC.7, T.29 N., R.2 W.

T. G. Wilsford Roseacres Plantation — Driller: C. M. Journey in 1939
Altitude: 179 ft.

	Thick. feet	Depth feet
River alluvium		
Clay and soil	13.0	13.0
Sand, fine-grained	10.0	23.0
Sand, coarse at base	53.4	76.4
Gravel, coarse near base. Most of the minerals are quartz, chert, and limestone; a few grains are of igneous and metamorphic rocks	96.1	172.5
Cockfield formation		
Sand; subrounded to angular grains of quartz	26.5	199.0
Clay, light-gray	5.0	204.0
Sand; rounded to angular medium to fine grains of poorly sorted quartz; minor calcite, chert or flint, hornblende, and feldspar	64.8	268.8
Gumbo, sandy	10.0	278.8
Shale, light-gray micaceous	11.0	289.8
Sand; medium to fine grains of quartz; minor dark chert or flint, muscovite, biotite and kaolinite	140.7	430.5
Kosciusko sand		
Gumbo, gray and light-gray; chocolate-colored clay; flakes of carbonaceous material and a few bedded grains of quartz	51.6	482.1
Rock	0.8	482.9
Gumbo, gray and light-gray; chocolate-colored clay shale; scattered flakes of carbonaceous material and a few fragments of sandy clay shale	66.9	549.8
Shale; gray and light-gray clay; a few scattered carbonaceous fragments	42.5	592.3
Basic City shale		
Shale, gray; olive-drab gray clay; numerous grains and pellets of glauconite	19.0	611.3
Rock; light-gray indurated sand and silt	12.0	623.3
Shale, light-gray	12.0	635.3
Rock	0.8	636.1
Shale and rock, light-gray slightly sandy	21.6	657.7
Shale, dark-gray and brown slightly sandy	21.6	679.3
Shale and sand, nonglauconitic; the shale is dark gray, nearly black, and carbonaceous	43.4	722.7
Shale, dark-gray carbonaceous	21.6	744.3
Gumbo	4.0	748.3
Sand; fine-grained angular quartz	16.2	764.5
Gumbo	18.0	782.5
Sand; fine-grained angular quartz	13.7	796.2
Gumbo	10.9	807.1
Sand; fine-grained angular quartz; minor muscovite gypsum (?)	20.1	827.2
Gumbo	21.6	848.8

TABLE 30—(Continued)

	Thick. feet	Depth feet
Sand and clay shale; contains a few grains of glauconite; the sand is fine-grained angular quartz stained brown; the clay shale is brown and dark gray and carbonaceous	21.9	870.7
Shale, chocolate-brown micaceous	20.9	891.6
Meridian sand		
Sand; fine angular quartz; minor muscovite and feldspar	101.6	993.2
Gumbo	5.9	999.1
Sand; fine angular quartz; minor muscovite and feldspar	55.5	1054.6
Shale, light-gray micaceous	8.2	1062.8
Sand; fine angular quartz; minor muscovite and feldspar	33.6	1096.4
Shale	8.2	1104.6
Sand; fine angular quartz; minor muscovite and feldspar	21.7	1126.3
Sand; medium to fine poorly sorted angular to subrounded grains of quartz; minor pyrite, biotite, glauconite, and feldspar	19.0	1145.3
Gumbo	2.9	1148.2
Shale, dark-brown rather hard; a few pellets of glauconite and fragments of lignite	19.0	1167.2
Gumbo	5.0	1172.2
Sand; medium and fine-grained quartz; minor pyrite, feldspar, and mica; numerous biotite grains	43.3	1215.5
Shale, light-gray; contains carbonaceous fragments	9.0	1224.5
Sand; medium to fine rounded to angular grains of quartz; minor pyrite, tourmaline(?), glauconite, carbonate, feldspar, and hornblende	59.1	1283.6
Wilcox		
Shale, gray clay, and lignite which is dense and probably high in ash	15.0	1298.6
Sand	12.0	1310.6
Gumbo; chocolate-colored carbonaceous clay shale	2.0	1312.6
Sand	3.0	1315.6
Gumbo; chocolate-colored carbonaceous clay shale; lignite	81.5	1397.1
Rock	0.7	1397.8
Gumbo; light-gray clay; a few fragments are brown and carbonaceous	62.3	1460.1
Sand; fine angular grains of quartz; numerous dark minerals; one grain of graphite; numerous micaceous flakes include biotite	9.4	1469.5
Gumbo	9.9	1479.4
Rock	0.7	1480.1
Clay, light-gray micaceous; a few fragments are carbonaceous	6.0	1486.1
Rock	1.2	1487.3
Gumbo; light-gray micaceous clay; a few fragments are carbonaceous and lignitic near the base	76.9	1564.2
Sand; fine angular nearly pure grains of quartz	9.0	1573.2
Gumbo, bentonitic	10.0	1583.2

TABLE 30—(Continued)

	Thick. feet	Depth feet
Rock	0.6	1583.8
Gumbo	6.0	1589.8
Rock	1.0	1590.8
Gumbo and fine grains of quartz	25.0	1615.8
Gumbo	3.0	1618.8
Rock; sandstone(?)	3.0	1621.8
Shale, chocolate-colored and lignitic; a few fragments are light gray; the sample contains fine nearly pure grains of quartz	7.0	1628.8
Gumbo	28.0	1656.8
Shale, chocolate-colored and lignitic; a few fragments are light gray; abundant fine pure grains of quartz	11.0	1667.8
Gumbo	19.1	1686.9
Rock	0.6	1687.5
Gumbo	22.0	1709.5
Sand	9.0	1718.5
Sand and shale	19.3	1737.8
Gumbo	21.5	1759.3
Not reported	21.7	1781.0
Sand and rock	21.3	1802.3
Sand	38.4	1840.7

COAHOMA COUNTY WELL 12, SW.1/4, NW.1/4, SEC.15, T.29 N., R.3 W.

Norfleet and Wilsford — Driller: C. M. Journey in 1939
Altitude: 185 ft.

	Thick. feet	Depth feet
River Alluvium		
Clay, slightly sandy	15.0	15.0
Sand, brightly-colored fine to coarse-grained; contains a variety of mineral grains of quartz, chert, carbonates, feldspar, and ferromagnesium minerals. Grains of igneous and metamorphic rocks are also present	95.0	110.0
Gravel	65.1	175.1
Sand; brightly-colored grains, mostly clear and rose quartz and chert, all somewhat abraded. Grains of granite and other igneous rocks, limestone, and dark metamorphic rocks are present; a few grains are partly coated with fine crystals of pyrite	14.0	189.1
Jackson		
Gumbo, light-gray	29.6	218.7
Cockfield formation		
Shale, light-gray; contains a few fragments of lignite	21.1	239.8
Sand; medium sized gray grains of quartz; minor feldspar, biotite, and clay minerals	173.8	413.6

TABLE 30—(Continued)

	Thick. feet	Depth feet
Kosciusko sand		
Gumbo; light-gray and brown somewhat waxy clay; contains carbonaceous fragments. No foraminifera were found. Some of the material is quartz sand, as above	80.7	494.3
Sand; medium-sized subrounded grains of quartz	5.6	499.9
Clay, light-gray and brown; slightly waxy and contains carbonaceous fragments	21.7	521.6
Sand; gray slightly sugary quartz; grain size increases toward the base to diameters of 4 mm. Feldspar grains are numerous and they, together with a few grains of battleship gray chert or flint, seem to be characteristic. Pyrite coats a few grains of the quartz and chocolate-colored clay fragments are present in the 620-foot sample	109.0	630.6
Basic City shale		
Sand; medium-sized grains of quartz which contain a few pellets of glauconite	12.0	642.6
Rock; sandstone (?)	0.3	642.9
Gumbo, light-brown and light-gray slightly silty	8.7	651.6
Rock; sandstone (?)	0.7	652.3
Gumbo, light-brown and light-gray slightly silty; contains several pellets of glauconite	1.0	653.3
Rock; sandstone (?)	1.3	654.6
Gumbo, light-brown and light-gray slightly silty; several pellets of glauconite	29.2	683.8
Shale, dark-brown nearly black; contains numerous large and sometimes irregular grains of glauconite imbedded in the shale associated with angular grains of clear quartz and mica	10.7	694.5
Sand; mostly poorly sorted quartz; slightly brown	25.0	719.5
Shale, dark-brown nearly black; contains several large and sometimes irregular grains of glauconite associated with clear angular grains of quartz	61.6	781.1
Gumbo, light-gray and brown; contains numerous small carbonaceous flakes; sandy near the base	65.2	846.3
Meridian sand		
Sand, poorly sorted mostly angular grains of quartz, slightly brown	43.7	890.0
Rock; sandstone (?)	1.3	891.3
Gumbo; light-gray slightly sandy clay shale	18.3	909.6
Sand, same as the sand above; some grains appear to be feldspar	43.6	953.2
Sand and some thin beds of dark-brown clay shale sparingly glauconitic	21.0	974.2
Sand; brownish-gray poorly sorted grains of quartz. A few grains appear to be feldspar	187.4	1161.6

TABLE 30—(Continued)

	Thick. feet	Depth feet
Shale, gray; carbonaceous fragments of lignite; tabular grains of calcium carbonate are numerous; most of the lignite is in the lower half of the bed. A few crystals and crystal aggregates of pyrite are also present	42.1	1203.7
Sand; fine angular grains of quartz; contains carbonates and numerous other minerals	51.6	1255.3
Wilcox		
Gumbo; light-gray and brown clay and shale. The hard layers appear to be cemented with calcium carbonate	10.5	1265.8
Rock	1.0	1266.8
Gumbo; same as above	5.0	1271.8
Rock	0.6	1272.4
Gumbo	4.0	1276.4
Rock	1.0	1277.4
Gumbo	5.0	1282.4
Rock	0.7	1283.1
Gumbo	16.3	1299.4
Rock	0.9	1300.3
Shale	3.5	1303.8
Gumbo	21.5	1325.3
Shale and sand; the shale is light-gray and brown nonglauconitic; the sand is fine angular quartz and several other mineral species	21.5	1346.8
Sand; fine angular quartz and several other mineral species	16.0	1362.8
Rock; limestone	0.6	1363.4
Sand; fine angular quartz and several other mineral species; abundant gray clay shale and carbonaceous fragments	26.3	1389.7
Shale and rock; the rock is banded calcium carbonate	21.6	1411.3
Shale, dark-gray carbonaceous; some flakes are light-gray silt	21.1	1432.4
Silt and clay shale, light-brown and gray	21.3	1453.7
Shale, lignitic and micaceous; some fine angular grains of quartz and some banded calcium carbonate rock	42.7	1496.4
Sand; fine angular nearly pure light-gray quartz; slightly coarser near the base and indurated in an 8-inch ledge 15 feet above the base	74.5	1570.9
Shale and lignite. The shale is dark brown and carbonaceous, and the lignite is compact and black	10.5	1581.4
Sand; fine angular nearly pure grains of quartz; 8-inch indurated ledge 8 feet from top; coarser grains near the base; some lignite near 1660 feet	121.8	1703.2
Gumbo	19.3	1722.5
Sand, poorly sorted angular grains of quartz	15.7	1738.2
Gumbo and silt	4.0	1742.2
Lower Wilcox sand		
Sand; poorly sorted angular grains of quartz which contain minor amounts of carbonates, feldspar, mica, and the clay minerals	87.0	1829.2

TABLE 30—(Continued)

COAHOMA COUNTY WELL 19a, NE.1/4, SW.1/4, SEC.29, T.29 N., R.4 W.
at Friars Point

Turner Faber Love Lumber Co. Driller: T. B. Minyard

	Thick.	Depth		Thick.	Depth
Alluvium	feet	feet	Cockfield formation	feet	feet
Soil	22.6	22.6	Sand, good	40.0	266.1
Sand	70.9	93.5	Sand, better	20.0	286.1
Gravel	27.5	121.0	Sand	5.0	291.1
Jackson			Clay	18.3	309.4
Clay	98.6	219.6	Sand, medium	69.2	378.6
Cockfield formation			Sand, good coarse	39.7	418.3
Sand	6.5	226.1	Sand, good	21.0	439.3

COAHOMA COUNTY WELL 25, SE.1/4, SE.1/4, SEC.16, T.28 N., R.4 W.

King and Anderson Driller: Kenneth Journey
Altitude: 173 ft.

	Thick.	Depth		Thick.	Depth
Alluvium	feet	feet	Cockfield formation	feet	feet
Lap soil	10.0	10.0	Shale, hard honey-combed with sand	16.0	572.2
Sand	39.7	49.7	Sand	63.8	636.0
Drift	15.9	65.6	Kosciusko sand		
Sand	36.7	102.3	Gumbo	3.8	639.8
Gravel	89.0	191.3	Shale, hard	3.2	643.0
Jackson			Sand	3.0	646.0
Sand	4.0	195.3	Gumbo	4.0	650.0
Gumbo	27.2	222.5	Sand	4.0	654.0
Shale	64.9	287.4	Gumbo	2.0	656.0
Gumbo	32.1	319.5	Shale, hard	4.0	660.0
Gumbo, hard	10.0	329.5	Sand	4.0	664.0
Gumbo, gummy	33.9	363.4	Gumbo	14.7	678.7
Gumbo	21.3	384.7	Shale, hard	6.2	684.9
Cockfield formation			Sand	10.0	694.9
Shale	21.7	406.4	Gumbo	4.0	698.9
Sand	21.2	427.6	Shale, hard	8.5	707.4
Shale	10.0	437.6	Shale, sandy	21.8	729.2
Sand	19.6	457.2	Sand, hard	61.3	790.5
Shale	9.0	466.2	Sand	57.6	848.1
Gumbo	4.9	471.1	Rock	.2	848.3
Sand	17.0	488.1	Sand, down	5.7	854.0
Gumbo	9.2	497.3	Sand	12.0	866.0
Sand	6.0	503.3	Zilpha clay		
Shale	10.3	513.6	Shale	9.8	875.8
Shale, hard	42.6	556.2			

TABLE 30—(Continued)

	Thick.	Depth
Zilpha clay	feet	feet
Gumbo	8.5	884.3
Shale	10.0	894.3
Winona sand		
Sand	3.0	897.3
Shale	3.0	900.3
Sand	5.0	905.3
Gumbo with shale streaks	27.2	932.5
Sand, hard	23.4	955.9
Basic City shale		
Gumbo, gummy	7.9	963.8
Gumbo	8.0	971.8
Sand	6.0	977.8
Gumbo	8.0	985.8
Sand	4.0	989.8
Gumbo	12.0	1001.8
Sand	5.6	1007.4
Gumbo	5.0	1012.4
Sand	21.1	1033.5
Gumbo	13.0	1046.5
Sand	21.2	1067.7
Rock	.4	1068.1
Gumbo	8.5	1076.6
Rock	.3	1076.9
Sand	3.0	1079.9
Rock	.8	1080.7
Sand	15.7	1096.4
Basic City shale		
Gumbo with shale streaks	14.0	1110.4
Shale (very hard)	3.0	1113.4
Sand	.7	1114.1
Gumbo	19.4	1133.5
Gumbo, hard	25.3	1158.8
Shale	14.5	1173.3
Gumbo	7.0	1180.3
Shale	9.0	1189.3
Sand	20.2	1209.5
Shale	9.5	1219.0
Gumbo	14.4	1233.4
Gumbo, hard	21.9	1255.3
Meridian sand		
Sand, hard	12.0	1267.3
Sand	10.0	1277.3
Sand	14.0	1291.3
Gumbo	6.0	1297.3
Sand	2.0	1299.3
Sand with shale streaks	10.0	1309.3
Sand	12.2	1321.5
Sand	19.6	1341.1
Sand	21.9	1363.0
Sand	20.2	1383.2
Sand	19.0	1402.2
Shale	.7	1402.9

COAHOMA COUNTY WELL 33, NE.1/4, SE.1/4, SEC.32, T.28 N., R.4 W.

Mrs. W. H. Stovall — Driller: T. B. Minyard in 1919

	Thick.	Depth
Alluvium	feet	feet
Clay	23.2	23.2
Clay, blue	42.2	65.4
Sand	14.0	79.4
Gravel	105.1	184.5
Jackson		
Clay	37.5	222.0
Cockfield formation		
Sand	34.1	256.1
Clay	13.0	269.1
Sand	104.6	373.7
Cockfield formation		
Soapstone	3.9	377.6
Rock	1.2	378.8
Clay	5.0	383.8
Sand	67.5	451.3
Sand, hard	93.2	544.5
Lignite, brown	36.7	581.2
Sand, medium	11.0	592.2
Kosciusko sand		
Clay, blue	38.3	630.5
Sand	2.2	632.7

TABLE 30—(Continued)

	Thick. feet	Depth feet
Kosciusko sand		
Sand, hard	20.3	653.0
Sand	20.5	673.5
Sand, medium	20.8	694.3
Sand, hard	124.0	818.3
Sand, medium	21.6	839.9
Winona sand		
Clay	3.0	842.9
Rock	0.3	843.2
Sand	15.3	858.5
Rock	0.4	858.9
Sand	1.0	859.9
Rock	0.5	860.4
Sand	1.0	861.4
Rock	0.5	861.9
Sand	1.0	862.9
Rock	0.5	863.4
Sand	1.0	864.4
Rock	0.8	865.2
Sand	2.0	867.2
Rock	0.5	867.7
Sand	1.0	868.7
Rock	0.5	869.2
Sand	4.0	873.2
Rock	0.8	874.0
Sand	6.3	880.3
Basic City shale		
Clay, blue	8.0	888.3
Rock	0.4	888.7
Clay	20.0	908.7
Sand	6.0	914.7
Clay	4.6	919.3
Sand	10.0	929.3
Clay	3.0	932.3
Rock	0.3	932.6
Clay	7.2	939.8
Basic City shale		
Clay, brown	22.8	962.6
Rock	0.3	962.9
Clay	9.0	971.9
Rock	0.8	972.7
Sand	5.0	977.7
Clay	35.4	1013.1
Rock	0.3	1013.4
Clay	19.2	1032.6
Sand	22.5	1055.1
Clay	12.8	1067.9
Sand	12.0	1079.9
Clay	16.4	1096.3
Sand	5.0	1101.3
Clay	52.5	1153.8
Shale	1.0	1154.8
Sand	6.0	1160.8
Clay	11.5	1172.3
Meridian sand		
Sand	36.1	1208.4
Clay	2.0	1210.4
Sand	20.4	1230.8
Clay	13.0	1243.8
Sand	44.7	1288.5
Sand, hard, and shale	15.0	1303.5
Sand, good	17.0	1320.5
Sand, hard	42.6	1363.1
Shale	5.0	1368.1
Rock	0.8	1368.9
Shale	20.9	1389.8
Sand	24.3	1414.1
Shale	2.0	1416.1
Sand	23.7	1439.8
Clay	7.0	1446.8
Not reported	14.6	1461.4

TABLE 30—(Continued)

COAHOMA COUNTY WELL 56, SW.1/4, NE.1/4, SEC.34, T.27 N., R.4 W.

C. Monty
Altitude: 164 ft.

Driller. C. M. Journey in 1935

	Thick. feet	Depth feet
Alluvium		
Clay	21.8	21.8
Muck	10.0	31.8
Muck, sandy	11.9	43.7
Sand, coarse	62.2	105.9
Gravel	26.9	132.8
Yazoo		
Gumbo	17.0	149.8
Clay shale	36.8	186.6
Cockfield formation		
Sand, fine	28.4	215.0
Sand	95.2	310.2
Gumbo	5.0	315.2
Sand	73.1	388.3
Sand, coarse	43.1	431.4
Wautubbee clay (?)		
Gumbo, sandy	21.6	453.0
Gumbo	22.0	475.0
Shale, sandy	8.0	483.0
Rock, medium hard	0.6	483.6
Gumbo	13.0	496.6
Gumbo, sandy	21.7	518.3
Sand	10.0	528.3
Shale, hard	11.6	539.9
Gumbo	6.0	545.9
Kosciusko sand		
Sand	154.4	700.3
Zilpha clay		
Gumbo	29.9	730.2
Basic City shale & Winona sand		
Sand	3.0	733.2
Rock	0.4	733.6
Sand	2.0	735.6
Rock	0.5	736.1
Sand	8.0	744.1
Rock	0.5	744.6
Sand	2.0	746.6
Rock	0.5	747.1
Sand	16.8	763.9
Rock	0.8	764.7
Basic City shale & Winona sand		
Gumbo	15.0	779.7
Shale	12.0	791.7
Sand	9.8	801.5
Shale	12.0	813.5
Sand	9.9	823.4
Gumbo, hard	4.0	827.4
Shale and thin rock	17.9	845.3
Shale	1.0	846.3
Rock, hard	0.7	847.0
Sand	7.0	854.0
Rock	0.8	854.8
Shale	4.0	858.8
Rock	0.5	859.3
Gumbo	6.0	865.3
Rock	0.7	866.0
Shale	1.0	867.0
Gumbo	26.3	893.3
Shale, sandy	5.0	898.3
Shale, rotten	9.2	907.5
Gumbo	7.0	914.5
Shale	14.8	929.3
Shale, hard and gummy	21.8	951.1
Gumbo	97.9	1049.0
Meridian sand		
Sand	7.0	1056.0
Gumbo	3.8	1059.8
Sand	38.8	1098.6
Gumbo	4.8	1103.4
Not reported	8.6	1112.0
Rock	0.8	1112.8
Gumbo	8.2	1121.0
Sand	31.6	1152.6
Gumbo	11.8	1164.4
Sand	19.0	1183.4
Gumbo	3.0	1186.4
Sand	5.0	1191.4
Gumbo	1.0	1192.4
Sand	67.6	1260.0

TABLE 30—(Continued)

COAHOMA COUNTY WELL 65, NE. COR. SEC.22, T.26 N., R.4 W.

Holly Grove Farms
Altitude: 160 ft.

Driller: Delta Drilling Co. in 1941

	Thick. feet	Depth feet
Alluvium		
Clay	23.4	23.4
Sand	44.6	68.0
Gravel	66.3	134.3
Cockfield formation		
Gumbo	60.2	194.5
Sand	91.0	285.5
Wautubbee clay (?)		
Shale	21.0	306.5
Rock	.3	306.8
Shale	66.5	373.3
Gumbo	66.8	440.1
Kosciusko sand		
Sand	44.0	481.1
Sand and shale	24.8	505.9
Sand	21.9	527.8
Shale	44.4	572.2
Sand	21.8	594.0
Shale	43.9	637.9
Sand	87.4	725.3
Shale	21.9	747.2
Sand	21.8	769.0
Zilpha clay		
Shale	20.3	789.3
Gumbo	21.3	810.6
Winona sand		
Rock	0.6	811.2
Gumbo	20.0	831.2
Winona sand		
Rock	0.2	831.4
Gumbo	4.3	835.7
Rock	0.5	836.2
Gumbo	6.0	842.2
Rock	0.5	842.7
Gumbo	11.4	854.1
Sand with sand rock	22.1	876.2
Sand	64.5	940.7
Gumbo	10.0	950.7
Basic City shale		
Rock	0.8	951.5
Gumbo	64.7	1016.2
Shale	12.4	1028.6
Gumbo	31.6	1060.2
Rock	0.3	1060.5
Gumbo	21.0	1081.5
Rock	0.2	1081.7
Gumbo	8.0	1089.7
Rock	13.2	1102.9
Gumbo	54.7	1157.6
Shale	9.3	1166.9
Meridian sand		
Sand	32.3	1199.2
Shale	25.4	1224.6
Gumbo	7.9	1232.5
Sand	107.3	1339.8

COAHOMA COUNTY WELL 68, SW.1/4, NE.1/4, SEC.28, T.26 N., R.3 W.

Dr. Raney et al
Altitude: 163 ft.

Driller: T. B. Minyard in 1925

	Thick feet	Depth feet
Alluvium		
Soil and clay	23.5	23.5
Sand	55.7	79.2
Sand and fine gravel	20.4	99.6
Gravel	59.4	159.0
Sand and gravel	20.5	179.5
Zilpha clay, Kosciusko sand, and possibly Cockfield formation		
Sand	96.0	275.5
Clay	8.8	284.3
Sand	19.1	303.4
Clay	20.2	323.6

TABLE 30—(Continued)

	Thick feet	Depth feet
Zilpha clay, Kosciusko sand, and possibly Cockfield formation		
Sand and thin strata of clay	21.5	345.1
Sand	26.4	371.5
Clay	5.0	376.5
Sand	9.8	386.3
Clay	41.8	428.1
Clay, gummy	40.6	468.7
Clay	77.5	546.2
Clay, gummy	20.1	566.3
Winona sand		
Rock	0.5	566.8
Clay	17.0	583.8
Shale	3.3	587.1
Sand, hard	63.2	650.3
Clay	18.0	668.3
Sand	5.0	673.3
Rock	1.6	674.9
Sand	2.0	676.9
Rock	0.4	677.3
Clay	4.0	681.3
Rock	0.6	681.9
Clay	5.0	686.9
Rock	0.3	687.2
Clay	2.0	689.2
Sand	10.0	699.2
Basic City shale		
Rock	0.8	700.0
Clay	3.0	703.0
Rock	0.6	703.6
Clay	3.0	706.6
Rock	0.5	707.1
Clay	23.6	730.7
Sand	5.0	735.7
Rock	0.4	736.1
Clay	8.0	744.1
Rock	2.8	746.9
Sand	2.0	748.9
Rock	2.0	750.9
Sand	11.0	761.9
Clay	4.0	765.9
Basic City shale		
Rock	2.9	768.8
Clay	10.0	778.8
Rock	0.3	779.1
Sand	5.0	784.1
Clay	15.8	799.9
Rock	1.6	801.5
Sand	2.0	803.5
Rock	0.6	804.1
Clay	2.0	806.1
Rock	0.8	806.9
Clay	3.1	810.0
Sand	2.0	812.0
Rock	0.6	812.6
Clay	5.0	817.6
Rock	0.5	818.1
Sand	3.0	821.1
Rock	0.4	821.5
Clay	15.1	836.6
Sand	6.0	842.6
Clay	10.7	853.3
Clay and shale	21.0	874.3
Clay	37.7	912.0
Meridian sand		
Sand	20.6	932.6
Clay	5.7	938.3
Clay, gummy	21.2	959.5
Clay	21.0	980.5
Sand	16.0	996.5
Clay	5.7	1002.2
Shale, sandy	20.2	1022.4
Clay	16.0	1038.4
Sand	5.5	1043.9
Shale	4.0	1047.9
Sand	12.0	1059.9
Shale	5.4	1065.3
Clay, gummy	21.2	1086.5
Shale	21.8	1108.3
Sand	5.0	1113.3
Clay	48.3	1161.6
Sand	11.5	1173.1
Sand, hard	31.8	1204.9

TABLE 30—(Continued)

	Thick.	Depth		Thick.	Depth
Wilcox	feet	feet	Wilcox	feet	feet
Clay	16.4	1221.3	Shale, hard	2.0	1260.5
Rock	0.6	1221.9	Rock	0.2	1260.7
Clay	15.7	1237.6	Clay	18.8	1279.5
Shale	2.0	1239.6	Shale	2.0	1281.5
Sand	10.0	1249.6	Clay	2.0	1283.5
Clay	4.0	1253.6	Not reported	14.2	1297.7
Sand	4.9	1258.5			

COAHOMA COUNTY WELL 69, NE.1/4, NE.1/4, SEC.7, T.25 N., R.3 W.

Mrs. J. W. Lawler
Altitude: 159 ft.

Driller: T. B. Minyard in 1919

	Thick.	Depth		Thick.	Depth
Alluvium	feet	feet	Winona sand	feet	feet
Clay	20.0	20.0	Soapstone	22.0	650.0
Sand	50.0	70.0	Rock	0.3	650.3
Gravel	98.0	168.0	Soapstone	1.7	652.0
Zilpha clay and			Rock	0.3	652.3
Kosciusko sand			Soapstone	4.0	656.3
Sand	46.0	214.0	Rock	0.8	657.1
Soapstone	18.0	232.0	Sand	0.9	658.0
Sand	78.0	310.0	Rock	0.3	658.3
Soapstone	231.0	541.0	Sand	16.7	675.0
Winona sand			Soapstone	2.0	677.0
Rock	0.4	541.4	Sand	5.0	682.0
Soapstone	19.6	561.0	Basic City shale		
Sand	4.0	565.0	Soapstone	25.0	707.0
Shale	55.0	620.0	Rock	1.8	708.8
Sand	8.0	628.0			

COAHOMA COUNTY WELL 70, SW.1/4, NE.1/4, SEC.1, T.25 N., R.4 W.

Fishing Bayou School
Altitude: 157 ft.

Driller: T. B. Minyard in 1936

	Thick.	Depth		Thick.	Depth
Alluvium	feet	feet	Alluvium	feet	feet
Gumbo	16.0	16.0	Sand	3.1	108.4
Sand	20.6	36.6	Rock, hard	0.8	109.2
Gravel	2.0	38.6	Gravel, bad	10.0	119.2
Sand	13.9	52.5	Sand	17.8	137.0
Gravel	3.0	55.5	Gravel	10.0	147.0
Sand	23.9	79.4	Sand	11.9	158.9
Rock, soft	0.8	80.2	Gravel, bad	21.1	180.0
Sand	20.1	100.3	Rock, soft	0.8	180.8
Gravel	5.0	105.3	Gravel, bad	21.8	202.6

TABLE 30—(Continued)

	Thick.	Depth
Cockfield formation	feet	feet
Rock, hard	0.3	202.9
Clay	9.0	211.9
Gumbo	12.0	223.9
Sand	8.9	232.8
Gumbo	10.0	242.8
Sand	3.0	245.8
Clay	8.1	253.9
Gumbo	42.1	296.0
Sand	46.7	342.7
Gumbo	25.5	368.2
Rock	0.3	368.5
Gumbo	9.0	377.5
Rock, hard	0.3	377.8
Shale	1.5	379.3
Clay	17.0	396.3
Rock, hard	0.2	396.5
Sand, hard	15.0	411.5
Shale, hard	2.0	413.5
Sand, hard	23.8	437.3
Wautubbee clay		
Rock	0.3	437.6
Clay, crumbly	4.1	441.7
Gumbo	28.0	469.7
Rock	0.2	469.9
Shale, hard	17.7	487.6
Sand	5.0	492.6
Kosciusko sand		
Clay	2.0	494.6
Sand	110.1	604.7
Zilpha clay		
Gumbo	20.9	625.6
Sand	6.7	632.3
Gumbo	3.0	635.3
Sand	10.0	645.3
Gumbo	24.3	669.6
Gumbo shale	2.0	671.6
Shale	8.0	679.6
Winona sand		
Rock, shale	4.0	683.6
Not reported	6.9	690.5
Rock, soft	4.0	694.5
Gumbo	3.0	697.5
Rock	0.8	698.3
Sand	7.0	705.3
Gumbo	5.0	710.3
Sand	4.0	714.3
Rock	0.4	714.7
Sand	5.0	719.7
Rock	0.6	720.3
Sand	12.1	732.4
Gumbo	3.0	735.4
Sand	10.0	745.4
Gumbo	5.0	750.4
Clay	2.8	753.2
Shale, sandy hard	9.0	762.2
Sand	2.0	764.2
Rock	0.3	764.5
Not reported	9.7	774.2
Sand, streaked	22.6	796.8
Basic City shale		
Rock, hard	0.2	797.0
Not reported	18.4	815.4
Gumbo	4.0	819.4
Rock, hard	0.7	820.1
Not reported	16.1	836.2
Sand	2.0	838.2
Rock	0.2	838.4
Sand	3.0	841.4
Rock	0.1	841.5
Gumbo	1.0	842.5
Rock	0.2	842.7
Not reported	14.1	856.8
Sand	4.0	860.8
Rock	0.2	861.0
Not reported	16.8	877.8
Sand	2.0	879.8
Gumbo	3.0	882.8
Sand	5.0	887.8
Gumbo	5.0	892.8
Sand, hard	11.0	903.8
Clay, hard	5.0	908.8
Sand	5.0	913.8
Shale	5.0	918.8
Rock, soft	0.5	919.3
Sand, hard	10.0	929.3
Gumbo	5.0	934.3

TABLE 30—(Continued)

	Thick.	Depth
Basic City shale	feet	feet
Shale	2.0	936.3
Gumbo	24.4	960.7
Gumbo shale	10.0	970.7
Shale	5.0	975.7
Sand	6.1	981.8
Gumbo	18.0	999.8
Sand, hard	4.1	1003.9
Gumbo	29.6	1033.5
Sand	20.4	1053.9
Shale	5.0	1058.9
Sand	2.0	1060.9
Gumbo	3.0	1063.9
Meridian sand		
Shale	1.1	1065.0
Sand, hard	20.9	1085.9
Meridian sand		
Sand	35.9	1121.8
Gumbo	5.6	1127.4
Sand	10.0	1137.4
Gumbo	10.8	1148.2
Sand, loose	62.8	1211.0
Sand, coarse	15.0	1226.0
Gumbo	2.0	1228.0
Sand, loose bad	24.6	1252.6
Sand, bad	20.6	1273.2
Sand, soft	20.4	1293.6
Sand	20.0	1313.6
Sand, hard	28.0	1341.6
Clay	2.0	1343.6
Not reported	6.1	1349.7

COAHOMA COUNTY WELL 71a, SW.1/4, SE.1/4, SEC.34, T.26 N., R.3 W.

W. M. Califf
Altitude: 162 ft.

Driller: T. B. Minyard in 1919

	Thick.	Depth
Alluvium	feet	feet
Clay	10.0	10.0
Sand	63.0	73.0
Gravel	67.0	140.0
Rock	2.0	142.0
Gravel and sand	48.5	190.5
Cockfield (?) formation		
Sand	30.8	221.3
Wautubbee (?) clay		
Soapstone	48.6	269.9
Kosciusko sand and Zilpha clay		
Sand	59.9	329.8
Soapstone	191.5	521.3
Winona sand		
Rock	1.3	522.6
Soapstone	8.0	530.6
Rock	1.0	531.6
Soapstone	2.0	533.6
Rock	0.7	534.3
Soapstone	24.9	559.2
Rock	0.4	559.6
Winona sand		
Soapstone	1.6	561.2
Soapstone, hard	16.0	577.2
Sand, hard	38.8	616.0
Soapstone	14.1	630.1
Rock	0.8	630.9
Sand	7.0	637.9
Rock	0.4	638.3
Sand	12.3	650.6
Rock	0.3	650.9
Sand	29.7	680.6
Basic City shale		
Soapstone	19.0	699.6
Sand	2.0	701.6
Soapstone	5.0	706.6
Rock	0.7	707.3
Soapstone	3.0	710.3
Rock	0.3	710.6
Soapstone	3.0	713.6
Rock	0.8	714.4
Soapstone	2.0	716.4
Rock	1.2	717.6
Soapstone	8.0	725.6

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet
Rock	3.2	728.8
Soapstone	18.0	746.8
Rock	1.4	748.2
Soapstone	9.0	757.2
Rock	1.3	758.5
Soapstone	11.1	769.6
Rock	0.5	770.1
Soapstone	8.0	778.1
Rock	0.8	778.9
Soapstone	20.3	799.2
Rock	0.3	799.5
Sand	44.3	843.8
Soapstone	15.4	859.2
Sand	5.0	864.2
Soapstone	2.0	866.2
Rock	0.3	866.5
Soapstone	33.8	900.3
Shale	32.1	932.4
Basic City shale		
Rock	0.7	933.1
Soapstone	10.0	943.1
Meridian sand		
Shale	12.6	955.7
Sand	20.8	976.5
Soapstone	20.7	997.2
Sand	24.6	1021.8
Soapstone	50.9	1072.7
Shale	8.7	1081.4
Soapstone shale	20.8	1102.2
Soapstone	3.0	1105.2
Rock	1.0	1106.2
Soapstone	16.7	1122.9
Sand	12.0	1134.9
Soapstone	29.5	1164.4
Sand, hard	7.0	1171.4
Shale	13.4	1184.8
Sand	61.1	1245.9

COAHOMA COUNTY WELL 71b, NE.1/4, SE.1/4, SEC.35, T.26 N., R.3 W.

J. H. Luckett
Altitude: 159 ft.

Driller: T. B. Minyard in 1919

Alluvium	Thick. feet	Depth feet
Sand	68.1	68.1
Gravel	11.3	79.4
Gravel, fine	22.3	101.7
Gravel, bad	21.2	122.9
Gravel	10.0	132.9
Wautubbee (?) clay		
Soapstone	10.0	142.9
Kosciusko sand		
Sand	47.1	190.0
Soapstone	41.1	231.1
Sand	20.8	251.9
Soapstone	45.1	297.0
Sand, hard	27.8	324.8
Soapstone	2.0	326.8
Sand	41.4	368.2
Zilpha clay		
Soapstone	19.8	388.0
Rock	0.3	388.3
Soapstone	16.5	404.8
Winona sand		
Rock	17.1	421.9
Soapstone	125.3	547.2
Sand	38.6	585.8
Soapstone	8.0	593.8
Sand, hard	13.1	606.9
Basic City shale		
Soapstone	20.6	627.5
Rock	0.5	628.0
Soapstone	4.0	632.0
Rock	0.7	632.7
Soapstone	1.0	633.7
Rock	3.6	637.3
Sand	6.0	643.3
Rock	0.3	643.6
Sand	1.0	644.6
Rock	0.7	645.3
Sand	6.6	651.9
Rock	1.0	652.9
Sand	10.0	662.9

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet	Basic City shale	Thick. feet	Depth feet
Rock	0.5	663.4	Sand	1.0	826.9
Soapstone	16.4	679.8	Rock	1.1	828.0
Rock	0.3	680.1	Soapstone	2.0	830.0
Soapstone	1.0	681.1	Rock	0.4	830.4
Rock	0.8	681.9	Soapstone	2.0	832.4
Soapstone	1.0	682.9	Rock	0.6	833.0
Rock	0.4	683.3	Soapstone	0.2	833.2
Soapstone	7.7	691.0	Sand	18.0	851.2
Sand	2.0	693.0	Soapstone	55.0	906.2
Rock	0.3	693.3	Rock	0.5	906.7
Soapstone	10.0	703.3	Soapstone	12.5	919.2
Rock	0.3	703.6	Rock	0.5	919.7
Sand	3.0	706.6	Soapstone	4.0	923.7
Soapstone	7.8	714.4	Sand	1.0	924.7
Rock, soft	2.0	716.4	Rock	1.5	926.2
Soapstone	3.0	719.4	Rock, soft	10.0	936.2
Rock	0.4	719.8	Soapstone	7.3	943.5
Soapstone	2.0	721.8	Sand	4.0	947.5
Rock	0.2	722.0	Shale	4.0	951.5
Soapstone	2.0	724.0	Rock	0.3	951.8
Rock, hard	0.3	724.3	Soapstone	6.4	958.2
Soapstone	6.5	730.8	Shale	10.0	968.2
Rock, hard	0.3	731.1	Sand	2.0	970.2
Sand	3.0	734.1	Rock	0.7	970.9
Rock	0.4	734.5	Sand	2.0	972.9
Sand	3.0	737.5	Rock	0.5	973.4
Rock	0.6	738.1	Shale	5.8	979.2
Sand	12.0	750.1	Soapstone	2.0	981.2
Rock, hard	0.4	750.5	Rock	0.7	981.9
Sand	11.2	761.7	Sand	2.0	983.9
Soapstone	28.7	790.4	Shale	4.0	987.9
Rock	0.7	791.1	Sand	2.0	989.9
Soapstone	16.7	807.8	Rock	0.3	990.2
Sand	7.0	814.8	Shale	11.4	1001.6
Rock	0.7	815.5	Rock	0.8	1002.4
Sand	4.0	819.5	Sand	2.0	1004.4
Rock	0.6	820.1	Rock	0.7	1005.1
Sand	2.0	822.1	Shale	3.0	1008.1
Rock	0.5	822.6	Sand	4.0	1012.1
Sand	1.0	823.6	Rock	0.7	1012.8
Rock	0.3	823.9	Sand	1.9	1014.7
Sand	1.0	824.9	Soapstone	16.7	1031.4
Rock	1.0	825.9	Shale	5.0	1036.4

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet
Rock	1.0	1037.4
Soapstone	2.0	1039.4
Rock	2.9	1042.3
Rock, soft	3.0	1045.3
Soapstone	10.0	1055.3
Sand, hard	6.0	1061.3
Soapstone, hard	6.0	1067.3
Sand	1.0	1068.3
Rock, soft	2.0	1070.3
Soapstone	6.0	1076.3
Sand, hard	3.0	1079.3
Shale rock	4.0	1083.3
Sand	1.0	1084.3
Shale	11.3	1095.6
Rock	1.0	1096.6
Soapstone	5.0	1101.6
Basic City shale		
Rock	1.0	1102.6
Soapstone	2.9	1105.5
Rock	0.5	1106.0
Sand	4.0	1110.0
Shale	2.0	1112.0
Rock	0.8	1112.8
Sand	1.0	1113.8
Meridian sand		
Shale	11.0	1124.8
Sand	30.5	1155.3
Soapstone	4.0	1159.3
Sand	2.0	1161.3
Soapstone	2.0	1163.3
Sand	8.3	1171.6
Shale	16.0	1187.6

COAHOMA COUNTY WELL 72, NW.1/4, NW.1/4, SEC.16, T.25 N., R.4 W.

County School — Drilled in 1923
Altitude: 153 ft.

Alluvium	Thick. feet	Depth feet
Soil	20.5	20.5
Clay	20.7	41.2
Sand	21.8	63.0
Gravel	41.6	104.6
Jackson		
Clay	91.7	196.3
Cockfield formation		
Sand	9.0	205.3
Clay	57.2	262.5
Sand	125.5	388.0
Clay	4.0	392.0
Sand	11.0	403.0
Clay	7.0	410.0
Sand	6.6	416.6
Clay	10.0	426.6
Sand	55.5	482.1
Clay	9.0	491.1
Sand	24.4	515.5
Wautubbee formation		
Clay	62.8	578.3
Kosciusko sand		
Sand	22.0	600.3
Kosciusko sand		
Clay	74.6	674.9
Sand	40.2	715.1
Clay	4.0	719.1
Sand	17.5	736.6
Zilpha clay		
Clay	44.9	781.5
Winona sand		
Rock	.2	781.7
Clay	3.0	784.7
Rock	.7	785.4
Clay	3.0	788.4
Rock	.5	788.9
Clay	1.0	789.9
Rock	.4	790.3
Sand	3.0	793.3
Rock	.7	794.0
Sand, green	13.0	807.0
Clay	9.0	816.0
Sand	10.0	826.0
Rock	6.2	832.2
Sand	10.0	842.2

TABLE 30—(Continued)

	Thick. feet	Depth feet
Winona sand		
Rock	1.0	843.2
Sand	20.2	863.4
Clay	5.0	868.4
Rock	.2	868.6
Clay	13.5	882.1
Rock	1.7	883.8
Clay	12.2	896.0
Rock	1.8	897.8
Clay	6.0	903.8
Rock	2.2	906.0
Clay	2.0	908.0
Rock	2.0	910.0
Clay	3.3	913.3
Sand	15.0	928.3
Clay	5.8	934.1
Rock	.8	934.9
Clay	2.0	936.9
Rock	1.2	938.1
Clay	1.0	939.1
Rock	1.2	940.3
Sand	4.0	944.3
Rock	.8	945.1
Sand	8.7	953.8
Sand, green	19.4	973.2
Rock	.3	973.5
Clay	1.0	974.5
Sand	3.0	977.5
Basic City shale		
Rock	1.2	978.7
Basic City shale		
Clay	25.0	1003.7
Shale	10.8	1014.5
Clay	11.0	1025.5
Sand	24.9	1050.4
Rock	1.0	1051.4
Clay	15.9	1067.3
Rock	1.1	1068.4
Sand	16.0	1084.4
Clay	2.0	1086.4
Shale	4.0	1090.4
Clay	6.0	1096.4
Rock	1.0	1097.4
Clay	19.0	1116.4
Sand, hard	21.9	1138.3
Clay	2.0	1140.3
Sand	3.1	1143.4
Clay	19.1	1162.5
Clay, hard	19.9	1182.4
Clay	1.0	1183.4
Rock	1.0	1184.4
Clay	19.9	1204.3
Rock	.7	1205.0
Clay	2.0	1207.0
Rock	1.0	1208.0
Shale	16.2	1224.2
Sand	10.0	1234.2
Clay	34.8	1269.0
Meridian sand		
Sand	63.9	1332.9
Clay	3.3	1336.2

COAHOMA COUNTY WELL 74a, NW.1/4, NE.1/4, SEC.27, T.25 N., R.4 W.

J. F. Weeks — Driller: T. B. Minyard
Altitude: 154 ft.

	Thick. feet	Depth feet
Alluvium		
Soil and clay	21.0	21.0
Sand, hard strata	20.8	41.8
Sand	33.4	75.2
Gravel, fine	5.0	80.2
Sand and gravel	20.0	100.2
Sand	20.5	120.7
Gravel	2.0	122.7
Jackson (?)		
Clay, gummy	54.0	176.7
Cockfield formation		
Sand	25.9	202.6
Clay	1.0	203.6
Sand, hard	18.6	222.2
Clay	2.0	224.2
Sand	253.4	477.6

TABLE 30—(Continued)

	Thick.	Depth
Wautubbee clay	feet	feet
Clay	42.4	520.0
Clay, gummy	40.3	560.3
Kosciusko sand		
Sand and thin strata of clay	21.3	581.6
Sand	43.0	624.6
Sand and thin strata of clay	18.7	643.3
Sand	42.0	685.3
Zilpha clay		
Clay	1.0	686.3
Clay and thin strata of sand	21.1	707.4
Clay	45.1	752.5
Winona sand		
Rock	1.8	754.3
Sand	18.0	772.3
Rock	1.6	773.9
Clay	32.1	806.0
Sand	16.0	822.0
Clay	4.0	826.0
Sand	3.0	829.0
Clay	7.0	836.0
Rock	1.6	837.6
Sand	2.0	839.6
Rock	1.3	840.9
Clay	5.0	845.9
Rock	0.6	846.5
Clay	4.0	850.5
Sand	12.3	862.8
Rock	0.8	863.6
Clay	3.0	866.6
Not reported	13.1	879.7
Rock	4.5	884.2
Clay	6.0	890.2
Rock	0.4	890.6
Sand	8.0	898.6
Rock	0.9	899.5
Sand, hard	2.0	901.5
Rock	0.3	901.8
Sand	4.0	905.8
Rock	0.3	906.1
Sand	3.0	909.1
Rock	0.4	909.5
Winona sand		
Sand	4.0	913.5
Rock	0.6	914.1
Sand	2.0	916.1
Rock	0.8	916.9
Sand	6.6	923.5
Basic City shale		
Clay	21.2	944.7
Shale	9.9	954.6
Sand	5.0	959.6
Shale	5.0	964.6
Clay	10.3	974.9
Shale, hard	19.7	994.6
Sand, hard	10.0	1004.6
Clay	10.0	1014.6
Shale, hard	0.7	1015.3
Shale	19.9	1035.2
Clay, hard gummy	20.8	1056.0
Clay	15.0	1071.0
Shale	5.0	1076.0
Sand, hard	2.0	1078.0
Sand and thin strata of shale	20.6	1098.6
Sand	16.0	1114.6
Clay	5.9	1120.5
Sand	5.0	1125.5
Clay	2.0	1127.5
Sand	8.0	1135.5
Clay, hard	16.0	1151.5
Sand	12.8	1164.3
Shale, hard	13.4	1177.7
Clay, hard, gummy shale	21.3	1199.0
Clay, hard gummy	37.8	1236.8
Shale	2.0	1238.8
Clay, hard gummy	3.0	1241.8
Shale, hard gummy	21.4	1263.2
Sand and thin strata of clay	21.0	1284.2
Meridian sand		
Sand	15.0	1299.2
Shale	6.5	1305.7
Sand, hard strata	42.1	1347.8
Not reported	19.7	1367.5

TABLE 30—(Continued)

COAHOMA COUNTY WELL 75, SE.1/4, SW.1/4, SEC.25, T.25 N., R.4 W.

G. Johnson
Altitude: 152 ft.

Driller: C. M. Journey in 1938

	Thick. feet	Depth feet
Alluvium		
Gumbo	18.0	18.0
Sand	81.0	99.0
Gravel	72.0	171.0
Cockfield formation		
Gumbo	2.0	173.0
Sand	238.0	411.0
Wautubbee clay		
Gumbo	78.0	489.0
Kosciusko sand		
Shale	8.0	497.0
Sand	34.0	531.0
Gumbo	11.0	542.0
Sand	114.0	656.0
Zilpha clay		
Gumbo	31.0	687.0
Winona sand		
Rock	0.8	687.8
Gumbo, hard	40.2	728.0
Rock	1.5	729.5
Gumbo	30.5	760.0
Rock	1.4	761.4
Gumbo	27.6	789.0
Winona sand		
Shale, sandy	22.0	811.0
Rock	0.2	811.2
Green sand	29.8	841.0
Rock	1.0	842.0
Sand	64.0	906.0
Basic City shale		
Shale	10.0	916.0
Gumbo	22.0	938.0
Sand	4.0	942.0
Gumbo	83.0	1025.0
Sand	33.0	1058.0
Gumbo	48.0	1106.0
Sand	9.0	1115.0
Gumbo	13.0	1128.0
Sand	24.0	1152.0
Gumbo	16.0	1168.0
Meridian sand		
Sand	49.0	1217.0
Gumbo	39.0	1256.0
Sand and shale	23.0	1279.0
Sand, water-bearing	84.0	1363.0

DESOTO COUNTY WELL 3, NW.1/4, NE.1/4, SEC.32, T.1 S., R.9 W.

H. P. Sullivan
Altitude: 205 ft.

Driller: C. M. Journey in 1935

	Thick. feet	Depth feet
Alluvium		
Clay	21.0	21.0
Muck and sand	22.0	43.0
Sand	22.0	65.0
Sand and gravel	65.0	130.0
Jackson		
Gumbo	124.0	254.0
Kosciusko sand		
Sand	26.0	280.0
Shale and chert	22.0	302.0
Sand	195.0	497.0
Gumbo	5.0	502.0
Sand	17.0	519.0
Jackson		
Gumbo	14.0	533.0
Sand	34.0	567.0
Gumbo	9.0	576.0
Sand	8.0	584.0
Sand, hard	144.0	728.0
Basic City shale		
Gumbo	6.0	734.0
Shale, hard, & thin strata of gumbo	22.0	756.0
Shale, hard,& thin strata of sand	20.0	776.0

TABLE 30—(Continued)

	Thick.	Depth
Basic City shale	feet	feet
Shale, hard	84.0	860.0
Shale, hard sandy	161.0	1021.0
Meridian sand (?)		
Shale and sand	20.0	1041.0
Shale, hard, rock, and sand	20.0	1061.0
Wilcox		
Shale rock	15.0	1076.0
Shale, sandy, & thin strata of water-bearing sand	21.0	1097.0
Shale, sandy	21.0	1118.0
Gumbo	28.0	1146.0
Rock, hard	2.0	1148.0
Wilcox		
Gumbo	4.0	1152.0
Rock, hard	2.0	1154.0
Gumbo	1.0	1155.0
Rock, hard	2.0	1157.0
Gumbo, hard	63.0	1220.0
Rock	1.0	1221.0
Gumbo, hard	181.0	1402.0
Sand and shale	10.0	1412.0
Gumbo	24.0	1436.0
Shale, soft	4.0	1440.0
Gumbo	28.0	1468.0
Lower Wilcox		
Sand, water-bearing	56.0	1524.0

DESOTO COUNTY WELL 9, NE.1/4, NW.1/4, SEC.15, T.3 S., R.9 W.
S. B. Dean — Driller: C M. Journey in 1938
Altitude: 301 ft.

	Thick.	Depth
Terrace deposits	feet	feet
Clay	23.0	23.0
Gumbo	57.0	80.0
Gravel	13.0	93.0
Kosciusko sand		
Gumbo	12.0	105.0
Sand and shale	26.0	131.0
Sand	41.0	172.0
Gumbo	33.3	205.3
Kosciusko sand		
Rock	0.9	206.2
Gumbo	17.8	224.0
Sand	45.0	269.0
Shale	3.0	272.0
Sand	20.0	292.0
Sand and shale	3.0	295.0
Sand	29.0	324.0

DESOTO COUNTY WELL 10, NW.1/4, SE.1/4, SEC.13, T.3 S., R.8 W.
Town of Hernando — Driller: Layne-Central Co. in 1934

	Thick.	Depth
Terrace deposits	feet	feet
Clay	31.0	31.0
Gravel	4.0	35.0
Clay	8.3	43.3
Rock and gravel	4.0	47.3
Kosciusko sand		
Clay, sandy	12.2	59.5
Shale, white clay	19.5	79.0
Shale, gummy white	32.3	111.3
Sand, fine	6.2	117.5
Sand, hard	28.0	145.5
Shale, white	41.4	186.9
Kosciusko sand		
Shale, white sandy	17.6	204.5
Sand, fine hard	15.0	219.5
Gravel and sand, hard	4.1	223.6
Sand, very coarse brown, and light gravel	20.8	244.4
Sand, coarse	17.9	262.3
Sand, coarse, and brittle gravel	20.6	282.9

TABLE 30—(Continued)

DESOTO COUNTY WELL 12, SW.1/4, NE.1/4, SEC.2, T.4 S., R.9 W.

Arkabutla K III bore hole — Driller: U. S. Engineers in 1940

Altitude: 197.5. ft.

	Thick. feet	Depth feet
Terrace deposits		
Clay	2.0	2.0
Powder silt loam	4.0	6.0
Silty clay	10.0	16.0
Clay	3.0	19.0
Soft silty clay loam	6.0	25.0
Loam	4.0	29.0
Silt loam	3.0	32.0
Medium and fine sand	4.0	36.0
Medium, coarse and fine sand	4.0	40.0
Sand and gravel	29.5	69.5
Kosciusko sand (?)		
Clay	23.0	92.5
Lignite (old log)	1.5	94.0
Silty clay	4.5	98.5
Clay	3.5	102.0
Silty clay	5.0	107.0
Silty clay loam	8.0	115.0
Sandy loam	1.0	116.0
Clay	31.0	147.0
Sandy loam	6.0	153.0
Medium and fine sand	25.0	178.0
Medium sand	.5	178.5
Clay	2.5	181.0
Medium and coarse sand	4.0	185.0
Medium sand	15.0	200.0
Coarse, medium and fine sand	12.0	212.0
Kosciusko sand (?)		
Medium and fine sand	3.0	215.0
Clay	3.0	218.0
Sandy loam with clay lumps	4.0	222.0
Sandy clay loam with clay lumps	4.5	226.5
Clay	1.5	228.0
Coarse, medium and fine sand	5.0	233.0
Medium and fine sand	18.0	251.0
Medium sand	25.5	276.5
Medium and coarse sand	9.5	286.0
Medium sand	5.0	291.0
Medium and fine sand	9.0	300.0
Medium sand	6.0	306.0
Sand and lignite	2.0	308.0
Coarse and medium sand	4.5	312.5
Clay	4.0	316.5
Coarse and medium sand	2.0	318.5
Lignite	1.5	320.0
Coarse and medium sand and pyrite	5.0	325.0
Medium and fine sand	40.0	365.0

TABLE 30—(Continued)

HOLMES COUNTY WELL 12, NW.1/4, NW.1/4, SEC.32, T.17 N., R.1 W.

Mr. Spivey
Altitude: 114.6 ft.

Driller: T. B. Minyard in 1922

	Thick. feet	Depth feet
Not reported	165.6	165.6
Cockfield formation		
Soapstone and sand	22.0	187.6
Soapstone	27.8	215.4
Sand	15.2	230.6
Not reported	37.0	267.6
Soapstone and sand	21.3	288.9
Wautubbee clay		
Soapstone	51.8	340.7
Kosciusko sand		
Sand	105.6	446.3
Soapstone	11.4	457.7
Sand	22.0	479.7
Soapstone	73.4	553.1
Sand	54.1	607.2
Not reported	20.7	627.9
Zilpha clay		
Soapstone	27.4	655.3
Rock, soft	0.6	655.9
Soapstone	54.2	710.1
Winona sand		
Greensand	5.0	715.1
Rock	4.3	719.4
Basic City shale		
Not reported	14.5	733.9
Sand	2.0	735.9
Basic City shale		
Shale	2.0	737.9
Rock, soft	0.8	738.7
Rock	1.6	740.3
Sand	10.0	750.3
Soapstone	23.8	774.1
Rock, soft	0.6	774.7
Sand	16.0	790.7
Shale	3.0	793.7
Sand	29.1	822.8
Rock	0.6	823.4
Soapstone	5.0	828.4
Sand	6.0	834.4
Rock, hard	1.6	836.0
Sand	13.9	849.9
Rock, hard	0.3	850.2
Sand	5.0	855.2
Soapstone	6.3	861.5
Rock, soft	1.0	862.5
Soapstone	46.9	909.4
Meridian sand		
Sand	30.1	939.5
Soapstone	8.7	948.2
Sand, loose	12.0	960.2
Soapstone	7.1	967.3
Sand, loose	38.0	1005.3

HOLMES COUNTY WELL 32, SE.1/4, SE.1/4, SEC.6, T.15 N., R.1 E.

W. M. Unger
Altitude: 119 ft.

Driller: T. B. Minyard in 1925

	Thick. feet	Depth feet
Alluvium		
Clay	15.0	15.0
Sand	70.3	85.3
Gravel	25.3	110.6
Cockfield formation		
Clay	76.6	187.2
Sand	25.0	212.2
Clay	31.1	243.3
Cockfield formation		
Sand	7.3	250.6
Clay	21.2	271.8
Sand	2.0	273.8
Clay	9.0	282.8
Sand	19.0	301.8
Wautubbee clay		
Clay	142.1	443.9

TABLE 30—(Continued)

	Thick. feet	Depth feet
Kosciusko sand		
Sand	16.4	460.3
Clay	10.0	470.3
Sand	34.5	504.8
Clay	4.0	508.8
Sand	57.0	565.8
Clay	37.4	603.2
Sand	50.1	653.3
Zilpha clay		
Clay	119.0	772.3
Rock, soft	1.0	773.3
Shale	3.0	776.3
Winona sand and Basic City shale		
Rock, medium	2.6	778.9
Sand	5.0	783.9
Rock, medium	1.8	785.7
Sand	36.5	822.2
Clay	20.2	842.4
Sand	57.2	899.6
Winona sand and Basic City shale		
Clay	10.0	909.6
Sand	10.7	920.3
Clay	5.0	925.3
Sand	8.3	933.6
Shale	3.0	936.6
Clay	35.0	971.6
Rock, soft	0.6	972.2
Shale	1.0	973.2
Rock, soft	0.5	973.7
Clay and shale	17.8	991.5
Clay	10.0	1001.5
Sand	11.3	1012.8
Clay	9.0	1021.8
Sand	6.8	1028.6
Clay and shale	15.2	1043.8
Sand, good	62.5	1106.3
Clay	4.0	1110.3
Sand	27.8	1138.1
Clay	2.2	1140.3

HOLMES COUNTY WELL 59, SE.1/4, NW.1/4, SEC.8, T.14 N., R.1 W.

M. L. Smith — Driller: C. M. Journey in 1938

Altitude: 111.7 ft.

	Thick. feet	Depth feet
Alluvium		
Clay	55.0	55.0
Sand	34.0	89.0
Gravel	42.0	131.0
Wautubbee clay and Cockfield formation		
Gumbo	21.0	152.0
Sand	44.0	196.0
Gumbo	22.0	218.0
Sand	87.0	305.0
Gumbo	62.0	367.0
Sand	163.0	530.0
Kosciusko sand		
Gumbo	124.0	654.0
Shale, sandy	43.0	697.0
Gumbo	63.0	760.0
Sand	82.0	842.0
Gumbo	64.0	906.0
Shale	22.0	928.0
Sand, fine	43.0	971.0
Zilpha clay		
Shale	64.0	1035.0
Gumbo	21.0	1056.0
Shale and thin rock	42.0	1098.0
Gumbo shale	65.0	1163.0
Basic City shale		
Shale and thin rock	43.0	1206.0
Gumbo	64.0	1270.0
Sand	8.0	1278.0
Gumbo shale	14.0	1292.0
Sand	21.0	1313.0
Shale, hard	20.0	1333.0
Sand	8.0	1341.0
Gumbo	7.0	1348.0
Shale, sandy	6.0	1354.0
Gumbo	127.0	1481.0
Meridian sand		
Sand, fine	40.0	1521.0
Sand, water-bearing	76.0	1597.0

TABLE 30—(Continued)

HUMPHREYS COUNTY WELL 1b, NE.1/4, NE.1/4, SEC.20, T.17 N., R.3 W.

J. H. Hicks
Altitude: 110 ft.

Driller: T. B. Minyard in 1925

	Thick. feet	Depth feet
Alluvium		
Clay	21.4	21.4
Sand	85.6	107.0
Gravel	21.4	128.4
Jackson		
Clay	30.0	158.4
Cockfield formation		
Sand	43.6	202.0
Clay	3.0	205.0
Sand	166.8	371.8
Clay	10.0	381.8
Sand	10.0	391.8
Clay	7.0	398.8
Sand	3.4	402.2
Sand	2.0	404.2
Clay	10.0	414.2
Sand	10.2	424.4
Clay	10.0	434.4
Sand	10.9	445.3
Wautubbee clay		
Clay	73.7	519.0
Kosciusko sand		
Sand	9.1	528.1
Clay	5.0	533.1
Sand	35.3	568.4
Clay	88.5	656.9
Sand	12.2	669.1
Clay	26.4	695.5
Sand	4.0	699.5
Clay	25.9	725.4
Sand	41.8	767.2
Kosciusko sand		
Clay	11.0	778.2
Sand	10.4	788.6
Clay	52.6	841.2
Sand	59.3	900.5
Clay	2.0	902.5
Sand	14.0	916.5
Clay	4.0	920.5
Sand	6.0	926.5
Zilpha clay		
Clay	127.5	1054.0
Basic City shale		
Rock	3.3	1057.3
Clay	6.0	1063.3
Rock	1.3	1064.6
Shale	2.0	1066.6
Rock	1.0	1067.6
Shale	7.0	1074.6
Rock	1.8	1076.4
Shale	22.0	1098.4
Clay	22.7	1121.1
Sand	11.0	1132.1
Clay	26.0	1158.1
Sand	34.1	1192.2
Clay	4.0	1196.2
Sand	3.0	1199.2
Clay	29.6	1228.8
Sand	17.7	1246.5
Clay	28.0	1274.5
Sand	23.2	1297.7
Clay	8.6	1306.3

HUMPHREYS COUNTY WELL 2, NW.1/4, SE.1/4, SEC.3, T.16 N., R.4 W.

Town of Isola
Altitude: 112 ft.

Driller: C. M. Journey in 1936

	Thick. feet	Depth feet
River alluvium		
Gumbo and sandy loam	23	23
Sand, coarse	42	65
River alluvium		
Sand, coarse, and fine gravel	22	87
Gravel, heavy	74	161

TABLE 30—(Continued)

	Thick. feet	Depth feet
Yazoo clay		
Gumbo	22	183
Cockfield formation		
Sand, coarse	58	241
Sand, fine gray	183	424
Gumbo	33	457
Sand and thin strata of gumbo	43	500
Wautubbee clay		
Shale, sandy	64	564
Sand and larger rock	22	586
Wautubbee clay		
Gumbo, sandy	66	652
Shale, hard black	36	688
Sand, coarse brown	9	697
Gumbo and lignite	21	718
Clay shale, white	42	760
Kosciusko sand		
Sand, gray water-bearing; top sand, medium fine; bottom sand, coarse	59	819

HUMPHREYS COUNTY WELL 5, SE.1/4, SW.1/4, SEC.9, T.16 N., R.5 W.

M. L. Wilkerson — Driller: T. B. Minyard
Altitude: 107 ft. — in 1928

	Thick. feet	Depth feet
Alluvium		
Soil and clay	22.5	22.5
Muck	21.6	44.1
Shale and muck	21.5	65.6
Sand	11.0	76.6
Soil and gravel	10.6	87.2
Sand and gravel	21.4	108.6
Gravel, bad	31.7	140.3
Clay	5.0	145.3
Jackson		
Sand, hard	49.3	194.6
Clay	15.0	209.6
Sand	6.6	216.2
Sand and thin strata of clay	21.3	237.5
Sand, hard, and thin strata of clay	21.5	259.0
Sand	21.4	280.4
Clay	16.0	296.4
Sand	5.5	301.9
Clay	15.0	316.9
Sand	6.5	323.4
Clay, hard gummy	21.5	344.9
Shale	42.9	387.8
Cockfield formation		
Sand, hard	58.9	446.7
Clay, hard	9.5	456.2
Cockfield formation		
Shale rock	1.2	457.4
Shale, gummy	16.2	473.6
Shale, sandy hard	21.5	495.1
Sand, hard	10.0	505.1
Clay	8.0	513.1
Shale	3.4	516.5
Clay	18.0	534.5
Shale	3.0	537.5
Sand, hard	48.4	585.9
Clay	6.4	592.3
Sand	12.0	604.3
Clay	8.4	612.7
Shale, hard sandy	61.6	674.3
Clay	10.0	684.3
Sand, hard	11.5	695.8
Clay	8.0	703.8
Sand, hard	15.5	719.3
Rock	5.0	724.3
Sand, hard	24.4	748.7
Shale	11.5	760.2
Sand, hard, and shale	21.4	781.6
Wautubbee clay		
Shale	60.0	841.6
Shale, hard	4.5	846.1
Shale, hard gummy	21.5	867.6

TABLE 30—(Continued)

	Thick.	Depth
Wautubbee clay	feet	feet
Clay, hard	31.5	899.1
Rock, hard	1.8	900.9
Clay	9.7	910.6
Sand, hard, and shale	20.5	931.1
Clay, hard gummy	21.4	952.5
Shale	34.4	986.9
Sand	3.0	989.9
Kosciusko sand		
Shale, hard	15.5	1005.4
Shale, hard gummy	85.9	1091.3
Shale, hard	31.5	1122.8
Sand	5.0	1127.8
Clay	3.0	1130.8
Shale, sandy	3.6	1134.4
Sand	35.4	1169.8
Clay	7.0	1176.8
Shale	0.6	1177.4
Sand, hard or shale	16.0	1193.4
Clay	3.0	1196.4
Shale	7.4	1203.8
Clay, gummy	15.0	1218.8
Shale, sandy	17.9	1236.7
Sand, hard	20.1	1256.8
Zilpha clay		
Shale, and thin strata of sand	19.8	1276.6
Clay, gummy	31.7	1308.3
Clay	5.0	1313.3
Rock, hard	0.5	1313.8
Clay	3.0	1316.8
Rock	0.4	1317.2
Shale	13.1	1330.3
Clay, hard gummy	78.9	1409.2
Rock	0.3	1409.5
Clay, hard	67.1	1476.6
Winona sand		
Shale, hard	10.0	1486.6
Rock, medium	1.2	1487.8
Sand, hard	3.0	1490.8
Rock	0.4	1491.2
Basic City shale		
Shale, sandy hard	10.0	1501.2
Rock	0.8	1502.0
Sand	3.0	1505.0
Rock, medium	1.2	1506.2
Clay	0.5	1506.7
Shale, sandy	4.0	1510.7
Clay, hard	16.9	1527.6
Shale, hard	22.0	1549.6
Clay	12.0	1561.6
Shale rock	0.3	1561.9
Clay	2.0	1563.9
Rock	0.5	1564.4
Sand	3.0	1567.4
Rock	0.3	1567.7
Sand	15.2	1582.9
Clay, hard	12.0	1594.9
Rock	0.4	1595.3
Sand, hard	5.0	1600.3
Clay, hard	21.9	1622.2
Sand	4.0	1626.2
Clay	7.3	1633.5
Shale, hard gummy	43.6	1677.1
Clay	21.8	1698.9
Sand	3.0	1701.9
Rock	0.3	1702.2
Sand	1.0	1703.2
Rock	7.0	1710.2
Sand	2.0	1712.2
Rock	0.3	1712.5
Sand	4.0	1716.5
Rock	1.3	1717.8
Sand	0.4	1718.2
Rock	0.8	1719.0
Sand	3.0	1722.0
Rock	0.8	1722.8
Sand	3.0	1725.8
Rock	0.4	1726.2
Sand	4.0	1730.2
Rock, hard	1.3	1731.5
Clay	3.0	1734.5
Rock, hard	0.5	1735.0
Clay	2.0	1737.0
Sand	1.0	1738.0
Clay	3.0	1741.0

TABLE 30—(Continued)

	Thick. feet	Depth feet
Basic City shale		
Clay, hard gummy	1.9	1742.9
Clay	8.0	1750.9
Rock, hard	0.3	1751.2
Sand	18.7	1769.9
Rock	0.8	1770.7
Basic City shale		
Sand	17.6	1788.3
Clay	5.0	1793.3
Sand	2.0	1795.3
Clay	10.4	1805.7

HUMPHREYS COUNTY WELL 6, SE.1/4, SW.1/4, SEC.21, T.16 N., R.4 W.

I. M. Dale — Driller: T. B. Minyard
Altitude: 109 ft. — in 1921

	Thick. feet	Depth feet
Top soil	22.0	22.0
Sand	63.3	85.3
Gravel	86.3	171.6
Clay	3.0	174.6
Jackson (?)		
Sand, hard	103.5	278.1
Sand	65.4	343.5
Clay	8.0	351.5
Sand	39.1	390.6
Clay	59.9	450.5
Cockfield formation		
Rock	0.3	450.8
Clay	9.0	459.8
Sand, hard	96.7	556.5
Clay	15.0	571.5
Rock	1.6	573.1
Clay	2.0	575.1
Not reported	24.5	599.6
Clay	3.0	602.6
Rock	0.5	603.1
Clay	18.1	621.2
Sand	41.5	662.7
Sand, hard	45.6	708.3
Wautubbee clay		
Clay	54.2	762.5
Rock	0.4	762.9
Shale	17.0	779.9
Clay	5.4	785.3
Rock	0.5	785.8
Shale	9.1	794.9
Rock	0.6	795.5
Kosciusko sand		
Sand, hard	28.1	823.6
Rock	0.6	824.2
Sand, hard	30.0	854.2
Clay	47.3	901.5
Sand	10.0	911.5
Clay	50.2	961.7
Sand	1.8	963.5
Clay	15.0	978.5
Shale	2.0	980.5
Sand	2.0	982.5
Clay	5.3	987.8
Rock	0.5	988.3
Clay	10.0	998.3
Sand	15.0	1013.3
Clay	15.4	1028.7
Sand	21.0	1049.7
Clay	21.8	1071.5
Sand	6.0	1077.5
Clay	54.6	1132.1
Sand	8.0	1140.1
Zilpha clay		
Clay	19.2	1159.3
Rock, hard	1.0	1160.3
Clay	2.0	1162.3
Rock	0.5	1162.8
Clay	94.7	1257.5
Rock	1.7	1259.2
Clay	89.5	1348.7
Winona sand and Basic City shale		
Rock	2.0	1350.7

TABLE 30—(Continued)

	Thick. feet	Depth feet
Winona sand and Basic City shale		
Shale, hard	4.0	1354.7
Rock	2.5	1357.2
Shale, hard	5.1	1362.3
Shale	41.3	1403.6
Clay	12.0	1415.6
Rock, soft	0.5	1416.1
Sand	17.5	1433.6
Clay	14.7	1448.3
Winona sand and Basic City shale		
Rock, soft	0.5	1448.8
Sand	6.0	1454.8
Clay	21.2	1476.0
Rock	1.7	1477.7
Clay	2.0	1479.7
Sand	3.0	1482.7
Clay	25.6	1508.3

HUMPHREYS COUNTY WELL 19, NE.1/4, NE.1/4, SEC.5, T.15 N., R.4 W.

Roy Sorrell
Altitude: 100 ft.

Driller: T. B. Minyard in 1937

	Thick. feet	Depth feet
Alluvium		
Gumbo	16.0	16.0
Sand	49.3	65.3
Gravel, medium-sized	40.0	105.3
Gravel, heavy	27.1	132.4
Gravel, concrete	4.0	136.4
Jackson		
Gumbo, hard	42.4	178.8
Shale, sandy	11.6	190.4
Gumbo	16.0	206.4
Rock	0.4	206.8
Gumbo	42.7	249.5
Rock	0.6	250.1
Gumbo	28.9	279.0
Rock	1.1	280.1
Shale, sandy hard	33.2	313.3
Cockfield formation		
Sand, hard	121.4	434.7
Gumbo	20.5	455.2
Sand	10.6	465.8
Gumbo	10.0	475.8
Sand	18.4	494.2
Gumbo	4.0	498.2
Sand	10.8	509.0
Gumbo	6.0	515.0
Sand	102.4	617.4
Cockfield formation		
Gumbo	4.0	621.4
Sand	19.2	640.6
Wautubbee clay		
Shale	35.0	675.6
Sand	11.4	687.0
Gumbo	39.0	726.0
Sand	4.0	730.0
Gumbo	18.0	748.0
Kosciusko sand		
Rock, hard	0.6	748.6
Sand, and thin strata of gumbo	20.3	768.9
Sand	50.3	819.2
Gumbo	6.6	825.8
Rock	2.0	827.8
Gumbo	34.0	861.8
Rock	1.0	862.8
Gumbo	19.8	882.6
Rock	0.4	883.0
Gumbo	43.3	926.3
Sand	10.6	936.9
Gumbo	60.7	997.6
Sand	41.4	1039.0
Gumbo	14.0	1053.0
Sand	70.7	1123.7

TABLE 30—(Continued)

HUMPHREYS COUNTY WELL 20, NW.1/4, NE.1/4, SEC.7, T.15 N., R.3 W.
Erby Turner — Driller: T. B. Minyard
Altitude: 107 ft.

	Thick. feet	Depth feet
Alluvium		
Soil and clay	21.4	21.4
Sand	64.0	85.4
Gravel	52.7	138.1
Jackson		
Sand	5.0	143.1
Clay	6.3	149.4
Sand and thin strata of clay	21.3	170.7
Sand	21.4	192.1
Shale and thin strata of sand	42.6	234.7
Cockfield formation		
Sand, hard	85.4	320.1
Clay	2.0	322.1
Sand, hard	77.0	399.1
Wautubbee clay		
Clay	11.3	410.4
Shale	10.0	420.4
Clay	6.3	426.7
Shale and thin strata of clay	21.4	448.1
Clay and thin strata of shale	21.3	469.4
Clay	10.0	479.4
Shale	11.3	490.7
Sand	8.0	498.7
Rock, soft	0.6	499.3
Sand	6.0	505.3
Rock, soft	0.3	505.6
Sand	6.0	511.6
Rock	0.2	511.8
Sand	6.3	518.1
Kosciusko sand		
Rock	0.6	518.7
Sand, loose	29.7	548.4
Clay	21.3	569.7
Shale	16.4	586.1
Sand, hard	52.6	638.7
Shale, hard	40.6	679.3
Kosciusko sand		
Clay, hard	32.2	711.5
Shale	5.0	716.5
Clay, gummy	25.1	741.6
Clay, hard	20.0	761.6
Shale, hard	38.2	799.8
Sand or shale (?)	3.0	802.8
Clay, hard	5.0	807.8
Shale	5.0	812.8
Clay, hard gummy	19.8	832.6
Rock, hard	1.5	834.1
Shale, hard	52.4	886.5
Shale, sandy	7.0	893.5
Shale	27.5	921.0
Sand, hard	23.2	944.2
Clay	15.8	960.0
Sand	3.0	963.0
Clay	5.0	968.0
Sand, good hard	64.1	1032.1
Zilpha clay		
Clay, hard gummy	65.0	1097.1
Clay, hard	86.5	1183.6
Winona sand and Basic City shale		
Rock	0.5	1184.1
Clay	2.0	1186.1
Rock	1.5	1187.6
Clay	2.0	1189.6
Rock	0.4	1190.0
Clay	3.0	1193.0
Rock	0.8	1193.8
Clay, hard gummy	83.9	1277.7
Rock	2.5	1280.2
Clay	6.0	1286.2
Rock	0.6	1286.8
Sand or shale	3.0	1289.8
Rock	1.2	1291.0
Clay	8.0	1299.0
Shale, hard	39.2	1338.2
Greensand	19.2	1357.4

TABLE 30—(Continued)

Winona sand and Basic City shale	Thick. feet	Depth feet
Clay, hard gummy	48.0	1405.4
Shale, hard	20.6	1426.0
Shale, gummy	20.8	1446.8
Shale, hard	10.0	1456.8
Rock	0.8	1457.6
Shale, hard	20.2	1477.8
Greensand	21.6	1499.4
Clay, green	1.0	1500.4
Sand	2.0	1502.4
Shale, hard	24.7	1527.1
Greensand	16.8	1543.9
Clay	2.0	1545.9

HUMPHREYS COUNTY WELL 34,* SW.1/4, SE.1/4, SEC.34, T.15 N., R.3 W.

Mound City Gin Co. Driller: W. F. Linsenmeyer
Altitude: 106 ft in 1919

Jackson (?)	Thick. feet	Depth feet
Clay	18	18
Sand, blue	20	38
Clay, blue	40	78
Sand and gravel, water-bearing	57	135
Clay	20	155
Cockfield formation		
Sand	60	215
Clay, shale, and sand, in alternating strata	385	600
Wautubbee clay		
Clay, white	60	660
Rock and shale, in alternating strata	20	680
Kosciusko sand		
Sand, water-bearing	228	908

*U. S. Geological Survey Water-Supply Paper 576, p. 221, 1928.

HUMPHREYS COUNTY WELL 45, NW.1/4, NE.1/4, SEC.34, T.14 N., R.2 W.

Jack M. Howard, Mgr. Driller: T. B. Minyard
in 1938

Alluvium	Thick. feet	Depth feet
Clay	20.0	20.0
Sand	11.4	31.4
Gravel	12.9	44.3
Sand	21.6	65.9
Gravel, heavy	8.0	73.9
Sand	3.0	76.9
Gravel, heavy	4.0	80.9
Sand	13.4	94.3
Gravel	2.0	96.3
Clay	1.0	97.3
Sand	20.0	117.3
Gravel	2.0	119.3
Clay	2.0	121.3
Sand	2.1	123.4
Gravel	2.0	125.4
Sand	3.0	128.4
Gravel	9.0	137.4
Sand	2.0	139.4
Jackson		
Clay	35.1	174.5
Rock, hard	0.6	175.1
Gumbo	64.6	239.7
Cockfield formation		
Sand, hard	23.7	263.4
Shale gumbo	10.4	273.8
Clay	3.0	276.8

TABLE 30—(Continued)

	Thick.	Depth
Cockfield formation	feet	feet
Shale gumbo	11.2	288.0
Sand, hard	14.9	302.9
Clay	8.0	310.9
Shale gumbo	62.1	373.0
Sand, hard	12.3	385.3
Shale gumbo	5.0	390.3
Rock, soft	0.3	390.6
Shale gumbo	8.0	398.6
Sand, hard	21.5	420.1
Shale gumbo	2.0	422.1
Sand, hard	8.2	430.3
Shale gumbo	51.1	481.4
Rock, soft	0.3	481.7
Sand, hard	19.0	500.7
Shale, hard	4.0	504.7
Sand, hard	31.2	535.9
Wautubbee clay		
Shale gumbo	3.0	538.9
Sand	5.0	543.9
Wautubbee clay		
Rock, hard	0.3	544.2
Clay	16.1	560.3
Sand, hard	18.3	578.6
Shale gumbo	8.0	586.6
Shale, hard	7.0	593.6
Sand	8.8	602.4
Shale, hard	2.0	604.4
Sand	17.1	621.5
Shale, hard	13.0	634.5
Sand	10.8	645.3
Shale gumbo	25.0	670.3
Shale, hard	4.0	674.3
Sand, hard	17.2	691.5
Shale, hard	7.0	698.5
Kosciusko sand		
Sand	114.8	813.3
Clay	22.0	835.3
Sand, coarse	40.7	876.0

This second attempt to drill a well on this location produced water.

HUMPHREYS COUNTY WELL 52, SE.1/4, SE.1/4, SEC.10, T.13 N., R.4 W.

Town of Louise — Driller: Layne & Bowler, Inc.
Altitude: 106 ft.

	Thick.	Depth
Alluvium	feet	feet
Clay	35	35
Sand, coarse	113	148
Clay	22	170
Sand, fine	20	190
Jackson (?)		
Sand, fine, and shale	50	240
Clay	10	250
Sand, fine	55	305
Cockfield formation		
Clay	18	323
Sand, fine, and lignite	67	390
Shale, sandy	90	480
Clay	20	500
Sand, fine, and sandy shale	44	544
Cockfield formation		
Gumbo	15	559
Sand, fine, and shale	35	594
Shale, sandy	21	615
Clay, sandy	27	642
Shale, hard, and thin strata of sand	21	663
Shale, hard, and lignite	21	684
Sand and shale	11	695
Gumbo	11	706
Shale	22	728
Wautubbee clay		
Gumbo	45	773
Gumbo	73	846
Sand, fine	63	909
Gumbo	4	913

TABLE 30—(Continued)

ISSAQUENA COUNTY WELL 8, SW.1/4, NE.1/4, SEC.30, T.13 N., R.8 W.

George F. Stock — Driller: C. M. Journey
Altitude: 108 ft. — in 1938

	Thick.	Depth
Alluvium	feet	feet
Sand and clay	21.3	21.3
Sand	30.0	51.3
Gravel, fine	10.4	61.7
Sand, loose, and fine gravel	20.5	82.2
Sand and gravel	20.5	102.7
Gravel	27.6	130.3
Sand	32.6	162.9
Yazoo clay		
Shale, hard sandy	23.4	186.3
Shale	43.4	229.7
Rock	0.6	230.3
Gumbo	2.5	232.8
Cockfield formation		
Shale and sand, interbedded	22.6	255.4
Shale	17.0	272.4
Rock, hard	0.8	273.2
Clay shale	5.7	278.9
Shale and clay shale	69.3	348.2
Shale	23.5	371.7
Shale, hard gummy	22.7	394.4
Shale and gumbo, hard	23.5	417.9
Clay shale	12.0	429.9
Rock	0.3	430.2
Shale, gummy	9.8	440.0
Shale	22.7	462.7
Shale and sand	22.1	484.8
Sand	10.0	494.8
Cockfield formation		
Rock	0.8	495.6
Shale	9.7	505.3
Rock	2.0	507.3
Sand and shale	18.4	525.7
Wautubbee clay		
Shale	5.3	531.0
Gumbo	15.0	546.0
Shale and gumbo, hard	20.4	566.4
Shale	5.0	571.4
Rock	0.8	572.2
Clay shale	5.0	577.2
Shale	10.6	587.8
Shale and clay shale	20.5	608.3
Shale, hard	17.5	625.8
Shale, hard gummy	18.7	644.5
Shale and clay shale	17.8	662.3
Gumbo and shale	23.7	686.0
Kosciusko sand		
Shale, sandy	45.3	731.3
Sand	23.5	754.8
Shale	10.0	764.8
Gumbo	8.8	773.6
Sand	12.4	786.0
Rock, hard	1.3	787.3
Gumbo	30.7	818.0
Rock	2.0	820.0
Gumbo	30.0	850.0
Sand, gray	85.3	935.3

TABLE 30—(Continued)

ISSAQUENA COUNTY WELL 10, SW.1/4, NW.1/4, SEC.7, T.12 N., R.8 W.

Robert Burnett — Driller: T. B. Minyard
Altitude: 102.1 ft. — in 1929

	Thick. feet	Depth feet
Alluvium		
Soil and clay	20.3	20.3
Sand	53.1	73.4
Gravel	11.5	84.9
Sand and gravel	21.7	106.6
Jackson		
Clay	21.6	128.2
Cockfield formation		
Sand	359.7	487.9
Wautubbee clay		
Clay	6.5	494.4
Alternating strata of clay and rock	20.5	514.9
Shale, sandy hard	21.5	536.4
Kosciusko sand		
Sand, hard	21.5	557.9
Clay	26.5	584.4
Rock, medium	0.6	585.0
Shale	14.9	599.9
Clay	20.9	620.8
Rock, hard	0.8	621.6
Clay	2.0	623.6
Kosciusko sand		
Rock	0.4	624.0
Clay	3.0	627.0
Sand	34.3	661.3
Sand and thin strata of shale	21.2	682.5
Sand	3.0	685.5
Clay	8.0	693.5
Rock, hard	0.6	694.1
Clay	25.6	719.7
Rock, hard	3.0	722.7
Clay, hard	20.7	743.4
Sand, coarse	39.2	782.6
Clay	32.0	814.6
Shale	5.0	819.6
Clay, hard	78.2	897.8
Shale, hard	16.0	913.8
Sand	5.4	919.2
Sand and thin strata of hard shale	20.6	939.8
Sand, hard	62.4	1002.2

ISSAQUENA COUNTY WELL 16, SW.1/4, SE.1/4, SEC.13, T.11 N., R.9 W.

L. E. Mann — Driller: C. M. Journey
Altitude: 102 ft. — in 1938

	Thick. feet	Depth feet
Alluvium		
Clay	10.0	10.0
Sand	79.4	89.4
Gravel	43.9	133.3
Sand	14.0	147.3
Jackson		
Gumbo	17.9	165.2
Sand	19.1	184.3
Gumbo	15.0	199.3
Sand	21.8	221.1
Gumbo	21.8	242.9
Shale	10.0	252.9
Cockfield formation		
Sand	124.7	377.6
Gumbo and rock	4.0	381.6
Sand	24.2	405.8
Rock	0.7	406.5
Gumbo	7.0	413.5
Sand	6.0	419.5
Gumbo	42.5	462.0
Rock	0.3	462.3
Gumbo	21.5	483.8
Sand	77.5	561.3

TABLE 30—(Continued)

Wautubbee clay	Thick. feet	Depth feet
Gumbo	9.5	570.8
Rock	0.6	571.4
Sand	3.0	574.4
Rock	0.3	574.7
Shale	5.0	579.7
Rock	0.2	579.9
Sand	8.0	587.9
Shale	21.1	609.0
Rock	0.5	609.5
Sand	3.0	612.5
Rock	0.5	613.0
Sand	3.0	616.0
Rock	0.6	616.6
Sand	3.0	619.6
Rock	0.5	620.1
Sand	10.0	630.1
Gumbo	43.7	673.8
Shale	29.1	702.9
Rock	0.9	703.8
Shale	14.2	718.0
Gumbo	7.0	725.0
Rock	0.7	725.7
Gumbo	1.0	726.7
Rock	0.6	727.3
Gumbo	15.0	742.3
Rock	0.4	742.7
Gumbo	22.0	764.7
Rock	1.2	765.9
Kosciusko sand		
Sand	43.0	808.9
Gumbo	20.5	829.4
Sand	26.6	856.0
Rock	0.7	856.7
Gumbo	13.0	869.7
Sand	45.9	915.6
Gumbo	17.7	933.3
Sand	10.0	943.3
Gumbo	42.3	985.6
Sand	24.3	1009.9
Gumbo	15.0	1024.9
Sand	8.0	1032.9
Gumbo	19.1	1052.0
Sand	10.5	1062.5
Gumbo	24.2	1086.7
Rock	1.8	1088.5
Sand	5.0	1093.5
Gumbo	9.2	1102.7
Shale	33.8	1136.5
Sand	106.1	1242.6

ISSAQUENA COUNTY WELL 17, SW.1/4, SW.1/4, SEC.12, T.11 N., R.9 W.

Hunter White
Altitude: 101.3 ft.

Driller: C. M. Journey in 1933

Alluvium	Thick. feet	Depth feet
Soil and clay	21.7	21.7
Muck and sand	20.1	41.8
Sand	55.6	97.4
Not reported	5.6	103.0
Gravel	26.5	129.5
Sand	14.0	143.5
Jackson		
Clay shale	37.5	181.0
Clay shale, gummy	22.1	203.1
Clay shale	23.1	226.2
Clay shale, gummy	20.2	246.4
Shale, "rotten"	22.8	269.2
Clay shale, gummy	22.5	291.7
Shale	10.8	302.5
Rock	2.0	304.5
Shale, "rotten"	9.0	313.5
Shale	22.0	335.5
Rock	0.3	335.8
Clay shale	1.5	337.3
Shale	20.4	357.7
Rock, hard	3.5	361.2
Cockfield formation		
Sand and shale	20.1	381.3
Shale	41.0	422.3

TABLE 30—(Continued)

Cockfield formation	Thick. feet	Depth feet
Clay shale and shale	20.2	442.5
Gumbo	8.0	450.5
Sand	12.4	462.9
Sand, gray	40.2	503.1
Sand	17.7	520.8
Shale	17.6	538.4
Shale, sandy	18.0	556.4
Wautubbee clay		
Rock	0.4	556.8
Sand	3.0	559.8
Rock	0.3	560.1
Sand	2.0	562.1
Rock	0.5	562.6
Sand	1.0	563.6
Rock	0.6	564.2
Shale	4.0	568.2
Rock	0.2	568.4
Shale	1.9	570.3
Rock, hard	1.3	571.6
Clay shale	4.0	575.6
Rock	0.7	576.3
Clay shale	2.0	578.3
Shale	0.4	578.7
Rock	0.3	579.0
Not reported	4.0	583.0
Shale	2.4	585.4
Rock	0.4	585.8
Shale	3.0	588.8
Rock	0.3	589.1
Shale	2.0	591.1
Rock, hard	0.6	591.7
Shale, hard	3.0	594.7
Rock, hard	3.1	597.8
Shale	5.0	602.8
Rock, medium	0.5	603.3
Gumbo	28.0	631.3
Sand or shale	16.0	647.3
Gumbo, hard gummy	20.2	667.5
Gumbo, hard, and gummy shale	20.6	688.1
Gumbo	9.8	697.9
Rock	0.6	698.5

Wautubbee clay	Thick. feet	Depth feet
Gumbo, gummy	10.0	708.5
Gumbo, hard gummy	22.6	731.1
Shale	2.0	733.1
Rock	0.7	733.8
Shale	1.0	734.8
Clay shale	12.3	747.1
Rock	1.2	748.3
Shale	3.0	751.3
Rock	0.5	751.8
Shale	5.0	756.8
Rock, hard	0.5	757.3
Shale	15.0	772.3
Kosciusko sand		
Sand	22.6	794.9
Shale, hard	13.5	808.4
Sand	4.0	812.4
Shale	14.0	826.4
Sand	5.4	831.8
Sand and interbedded thin clay shale	19.4	851.2
Clay shale	5.0	856.2
Sand	4.0	860.2
Clay shale	5.0	865.2
Sand	5.1	870.3
Shale, hard	14.0	884.3
Sand	12.4	896.7
Shale, gummy	12.7	909.4
Clay shale	3.0	912.4
Sand	4.0	916.4
Clay shale	5.0	921.4
Sand	4.0	925.4
Clay shale	3.4	928.8
Shale, hard	37.5	966.3
Gumbo	12.6	978.9
Shale	5.0	983.9
Shale, hard gummy	18.1	1002.0
Clay shale	18.0	1020.0
Shale	10.0	1030.0
Rock	2.0	1032.0
Shale	5.4	1037.4
Sand	16.0	1053.4
Gumbo	5.3	1058.7
Sand	57.1	1115.8

TABLE 30—(Continued)

ISSAQUENA COUNTY WELL 18, NE.1/4, NE.1/4, SEC.15, T.10 N., R.8 W.

Mrs. Frances Ricketts — Driller: C. M. Journey in 1937
Altitude: 94.6 ft.

	Thick. feet	Depth feet
Alluvium		
Gumbo	22.0	22.0
Sand	65.0	87.0
Jackson		
Gumbo	66.0	153.0
Sand	4.0	157.0
Gumbo	73.0	230.0
Cockfield formation		
Sand	58.0	288.0
Rock	1.5	289.5
Sand	80.5	370.0
Gumbo	25.0	395.0
Sand	177.0	572.0
Wautubbee clay		
Gumbo	49.0	621.0
Shale	77.0	698.0
Rock	1.3	699.3
Gumbo	17.0	716.3
Rock	1.3	717.6
Shale	3.4	721.0
Rock	3.1	724.1
Shale	0.9	725.0
Gumbo	30.0	755.0
Rock	2.5	757.5
Gumbo	23.5	781.0
Wautubbee clay		
Rock	0.8	781.8
Kosciusko sand		
Sand	39.2	821.0
Gumbo	44.0	865.0
Rock	1.5	866.5
Gumbo	7.5	874.0
Rock	0.3	874.3
Gumbo	13.7	888.0
Rock	0.8	888.8
Gumbo	6.2	895.0
Sand	35.0	930.0
Gumbo	7.0	937.0
Sand	52.0	989.0
Gumbo	17.0	1006.0
Rock	2.3	1008.3
Shale	12.7	1021.0
Sand	13.0	1034.0
Gumbo	35.0	1069.0
Sand	11.0	1080.0
Gumbo	52.0	1132.0
Sand	10.0	1142.0
Rock	1.6	1143.6
Sand	70.4	1214.0

ISSAQUENA COUNTY WELL 20, NW.1/4, SE.1/4, SEC.24, T.10 N., R.8 W.

Irby Charping — Driller: C. M. Journey in 1937
Altitude: 91.5 ft.

	Thick. feet	Depth feet
Alluvium		
Gumbo	22.0	22.0
Sand	22.0	44.0
Gumbo	110.0	154.0
Sand	24.0	178.0
Jackson		
Gumbo	79.0	257.0
Rock	1.7	258.7
Gumbo	1.3	260.0
Rock	1.0	261.0
Gumbo	5.0	266.0
Cockfield formation		
Sand	22.0	288.0
Gumbo	42.0	330.0
Shale	36.0	366.0
Sand	32.0	398.0
Gumbo	19.0	417.0
Rock	1.7	418.7
Gumbo	13.3	432.0
Rock	1.3	433.3
Gumbo	17.7	451.0
Sand	132.0	583.0

TABLE 30—(Continued)

	Thick.	Depth
Cockfield formation	feet	feet
Gumbo	24.0	607.0
Shale	17.0	624.0
Sand	74.0	698.0
Gumbo	4.0	702.0
Sand	66.0	768.0
Wautubbee clay		
Gumbo	5.0	773.0
Rock	1.6	774.6
Gumbo	21.4	796.0
Rock	0.8	796.8
Gumbo	19.2	816.0
Rock	1.5	817.5
Gumbo	45.5	863.0
Rock	0.6	863.6
Shale	44.4	908.0
Rock	0.6	908.6
Kosciusko sand		
Sand	20.4	929.0
Gumbo	14.0	943.0
Rock	0.5	943.5
Kosciusko sand		
Gumbo	18.5	962.0
Rock	1.2	963.2
Gumbo	20.8	984.0
Rock	0.6	984.6
Gumbo	5.4	990.0
Rock	1.3	991.3
Gumbo	43.7	1035.0
Sand	9.0	1044.0
Gumbo	99.0	1143.0
Gumbo and sand	33.0	1176.0
Sand	23.0	1199.0
Gumbo	16.0	1215.0
Rock	1.1	1216.1
Gumbo	22.9	1239.0
Rock	1.1	1240.1
Gumbo	35.9	1276.0
Sand	29.0	1305.0
Gumbo	10.4	1315.4
Rock	0.2	1315.6

LEFLORE COUNTY WELL 2, NW.1/4, NE.1/4, SEC.8, T.22 N., R.2 W.

P. H. Brooks & Co. Driller: T. B. Minyard
Altitude: 135 ft. in 1922

	Thick.	Depth
	feet	feet
Unreported	150.0	150.0
Wautubbee clay		
Clay	39.4	189.4
Sand	9.0	198.4
Clay	61.4	259.8
Kosciusko sand		
Sand	117.3	377.1
Sand and clay, interbedded	21.3	398.4
Sand	111.1	509.5
Zilpha clay		
Clay	10.4	519.9
Rock, soft	.4	520.3
Sand and clay, interbedded	21.0	541.3
Clay, hard	21.0	562.3
Winona sand		
Rock	.4	562.7
Clay, hard	15.0	577.7
Sand, green	8.0	585.7
Rock	.8	586.5
Sand	2.0	588.5
Rock	.5	589.0
Sand	15.4	604.4
Rock	.4	604.8
Sand	37.0	641.8
Rock	1.3	643.1
Sand	4.0	647.1
Rock	1.0	648.1
Sand	14.3	662.4
Rock, hard	.8	663.2
Sand	13.0	676.2

TABLE 30—(Continued)

	Thick. feet	Depth feet
Basic City shale		
Clay, hard	14.0	690.2
Rock	.2	690.4
Sand	24.0	714.4
Rock	1.2	715.6
Clay	11.0	726.6
Rock	.4	727.0
Clay, hard	16.0	743.0
Sand, coarse	18.0	761.0
Clay	2.6	763.6
Sand with thin layers of clay	20.2	783.8
Basic City shale		
Sand, brown, coarse	47.9	831.7
Clay, hard	12.7	844.4
Sand	12.0	856.4
Clay, hard	6.8	863.2
Sand	16.0	879.2
Clay, hard	36.7	915.9
Meridian sand		
Sand	29.1	945.0

LEFLORE COUNTY WELL 2a, SE.1/4, SE.1/4, SEC.9, T.22 N., R.2 W.

P. H. Brooks
Altitude: 136 ft.

Driller: T. B. Minyard in 1935

	Thick. feet	Depth feet
Unreported	101.0	101.0
Alluvium		
Sand	10.0	111.0
Gravel	5.0	116.0
Sand	16.1	132.1
Gravel	5.0	137.1
Sand	4.1	141.2
Gravel	21.0	162.2
Kosciusko sand		
Sand	10.0	172.2
Gumbo	11.9	184.1
Sand	3.0	187.1
Gumbo	100.1	287.2
Clay	10.0	297.2
Gumbo	29.1	326.3
Zilpha clay		
Rock	10.8	337.1
Gumbo	2.0	339.1
Shale	3.0	342.1
Gumbo, hard	5.3	347.4
Clay	21.0	368.4
Shale gumbo	11.0	379.4
Rock	1.0	380.4
Shale gumbo	9.1	389.5
Gumbo shale	5.0	394.5
Winona sand		
Rock, hard	15.7	410.2
Gumbo	5.0	415.2
Shale	2.0	417.2
Rock	0.2	417.4
Shale	1.0	418.4
Sand	2.0	420.4
Shale	1.0	421.4
Sand	30.5	451.9
Rock, hard	19.0	470.9
Clay	1.7	472.6
Shale	21.0	493.6
Unreported	8.0	501.6
Clay, hard	10.0	511.6
Rock	0.7	512.3
Gumbo	0.4	512.7
Shale	4.0	516.7
Rock	1.0	517.7
Shale	3.0	520.7
Gumbo	2.0	522.7
Shale	2.0	524.7
Sand	3.0	527.7
Shale	2.0	529.7
Rock	0.5	530.2
Sand	4.0	534.2
Shale	2.0	536.2

TABLE 30—(Continued)

	Thick.	Depth
Winona sand	feet	feet
Sand	4.0	540.2
Clay, shale	2.0	542.2
Sand	9.3	551.5
Rock	1.0	552.5
Sand	2.0	554.5
Gumbo	2.0	556.5
Sand	4.0	560.5
Shale	1.0	561.5
Sand	7.8	569.3
Rock	0.7	570.0
Sand	15.4	585.4
Gumbo	2.0	587.4
Sand	12.0	599.4
Rock, hard	2.0	601.4
Sand	3.0	604.4
Rock	0.3	604.7
Sand	0.1	604.8
Rock	1.4	606.2
Sand	1.0	607.2
Rock, medium	0.3	607.5
Sand	5.0	612.5
Basic City shale		
Gumbo	15.1	627.6
Clay	26.1	653.7
Rock	0.4	654.1
Sand	5.0	659.1
Clay	4.0	663.1
Sand	4.0	667.1
Basic City shale		
Clay	8.8	675.9
Sand	4.0	679.9
Clay	5.0	684.9
Rock, soft	0.2	685.1
Sand	9.8	694.9
Clay	2.0	696.9
Rock, hard	0.7	697.6
Clay	2.0	699.6
Sand	2.0	701.6
Clay	7.0	708.6
Sand	2.0	710.6
Clay	28.3	738.9
Rock	0.3	739.2
Gumbo	8.0	747.2
Shale	22.1	769.3
Sand	3.0	772.3
Shale	2.9	775.2
Sand	7.0	782.2
Shale	35.0	817.2
Shale and clay	31.0	848.2
Shale and gumbo	11.1	859.3
Shale and clay	6.0	865.3
Shale and gumbo	14.8	880.1
Clay	14.0	894.1
Shale gumbo	7.2	901.3
Meridian sand		
Sand, white	29.1	930.4
Clay	5.0	935.4

LEFLORE COUNTY WELL 7a, SW.1/4, NW.1/4, SEC.12, T.22 N., R.2 W.

Carraway Planting Co. Driller: Kenneth Journey
Altitude: 143 ft. in 1940

	Thick.	Depth
Kosciusko sand	feet	feet
Unreported	277.3	277.3
Gumbo and shale	19.8	297.1
Shale	22.5	319.6
Sand, hard	16.0	335.6
Rock	2.0	337.6
Shale	67.7	405.3
Sand, pink	20.0	425.3
Zilpha clay		
Shale	8.0	433.3
Shale, gummy	12.2	445.5
Shale, hard	10.0	455.5
Winona sand		
Rock	11.7	467.2
Shale, hard	16.0	483.2
Rock	0.8	484.0

TABLE 30—(Continued)

	Thick.	Depth
Winona sand	feet	feet
Shale	0.6	484.6
Rock	0.1	484.7
Shale	3.0	487.7
Rock	0.6	488.3
Sand	4.0	492.3
Rock (sandstone)	0.8	493.1
Sand	2.0	495.1
Rock (sandstone)	0.1	495.2
Sand	4.0	499.2
Rock (sandstone)	0.4	499.6
Sand	13.8	513.4
Shale, sandy	2.0	515.4
Rock, soft	2.0	517.4
Sand, green	9.0	526.4
Rock	0.5	526.9
Sand	7.0	533.9
Rock, soft	0.2	534.1
Sand	14.8	548.9
Rock	0.1	549.0
Sand	1.1	550.1
Rock	0.3	550.4
Sand	7.6	558.0
Rock	1.2	559.2
Sand	7.0	566.2
Rock	0.1	566.3
Sand	9.4	575.7
Rock	1.2	576.9
Sand	3.0	579.9
Rock	0.2	580.1
Sand	3.0	583.1
Rock	0.2	583.3
Sand	1.4	584.7
Rock	0.4	585.1
Sand	2.0	587.1
Rock	0.1	587.2
Sand	2.0	589.2
Rock	0.3	589.5
Sand	1.0	590.5
Rock	0.6	591.1
Sand	1.0	592.1
Rock	0.8	592.9
Sand	34.6	627.5
Rock	0.4	627.9
Sand	4.0	631.9
Basic City shale		
Rock	0.1	632.0
Sand	2.0	634.0
Rock	0.2	634.2
Sand	12.7	646.9
Rock	0.2	647.1
Gumbo	5.0	652.1
Rock	0.3	652.4
Gumbo	2.0	654.4
Sand	18.0	672.4
Rock	0.2	672.6
Sand	1.0	673.6
Gumbo	2.0	675.6
Rock	5.0	680.6
Sand	0.4	681.0
Rock	0.2	681.2
Sand	0.8	682.0
Rock	2.0	684.0
Sand	0.7	684.7
Rock	4.0	688.7
Sand	5.0	693.7
Shale	22.0	715.7
Sand	8.0	723.7
Gumbo, hard	4.0	727.7
Shale	1.0	728.7
Gumbo	4.0	732.7
Sand	3.1	735.8
Gumbo	2.0	737.8
Shale	4.0	741.8
Sand	11.0	752.8
Gumbo	2.4	755.2
Sand, green	27.6	782.8
Gumbo	4.0	786.8
Sand	2.0	788.8
Shale, sandy	6.0	794.8
Sand and gumbo	5.4	800.2
Sand, hard with shale streaks	21.8	822.0
Shale	6.0	828.0
Sand	2.0	830.0
Sand with shale streaks	15.2	845.2

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet
Sand	12.0	857.2
Shale	8.3	865.5
Sand	18.0	883.5
Sand with gumbo	3.0	886.5
Sand	17.0	903.5
Sand streaks	4.7	908.2

LEFLORE COUNTY WELL 8, NW.1/4, NW.1/4, SEC.20, T.22 N., R.2 W.

J. D. Swiney
Altitude: 127 ft.

Driller: T. B. Minyard in 1913

	Thick. feet	Depth feet
Not reported	782.9	782.9
Basic City shale		
Sand	2.0	784.9
Gumbo	6.0	790.9
Clay	3.1	794.0
Sand	2.0	796.0
Gumbo	4.0	800.0
Sand	3.0	803.0
Gumbo	7.2	810.2
Sand	7.8	818.0
Gumbo	2.0	820.0
Sand	2.0	822.0
Gumbo	2.0	824.0
Sand	4.1	828.1
Shale, hard	1.9	830.0
Sand	4.0	834.0
Shale	2.0	836.0
Sand	6.0	842.0
Basic City shale		
Shale	2.0	844.0
Sand	3.0	847.0
Shale	8.3	855.3
Clay shale	2.0	857.3
Sand	18.2	875.5
Clay	2.0	877.5
Sand	22.8	900.3
Gumbo	3.0	903.3
Sand	4.0	907.3
Gumbo	10.1	917.4
Sand	10.0	927.4
Shale	2.0	929.4
Sand	2.0	931.4
Gumbo	2.0	933.4
Sand	10.9	944.3
Shale, hard	13.8	958.1

LEFLORE COUNTY WELL 9, SEC. LINE, SECS.17-20, T.22 N., R.2 W.

Pamp Smith
Altitude: 126 ft.

Driller: C. M. Journey in 1936

Alluvium	Thick. feet	Depth feet
Gumbo and sand	77.1	77.1
Gravel	97.0	174.1
Cockfield (?) formation		
Sand	32.6	206.7
Wautubbee clay		
Gumbo	43.6	250.3
Kosciusko sand		
Sand	21.9	272.2
Gumbo	5.0	277.2
Gravel (?)	119.9	397.1
Kosciusko sand		
Gumbo	121.3	518.4
Sand	70.8	589.2
Zilpha clay		
Gumbo	56.3	645.5
Winona sand		
Rock	1.3	646.8
Gumbo	2.0	648.8
Rock	0.4	649.2
Sand	5.0	654.2
Gumbo	10.0	664.2

TABLE 30—(Continued)

	Thick.	Depth
Winona sand	feet	feet
Rock	0.3	664.5
Gumbo	6.0	670.5
Rock	0.4	670.9
Gumbo	6.0	676.9
Sand	0.5	677.4
Gumbo	2.0	679.4
Sand	26.0	705.4
Rock	0.9	706.3
Sand	10.0	716.3
Basic City shale		
Shale	6.0	722.3
Rock	0.8	723.1
Shale	9.0	732.1
Rock	1.3	733.4
Shale	4.0	737.4
Rock	0.9	738.3
Sand	9.0	747.3
Shale	12.1	759.4
Basic City shale		
Shale, sandy	18.9	778.3
Gumbo	6.9	785.2
Sand	10.0	795.2
Sand and rock	11.6	806.8
Sand	7.0	813.8
Shale	14.0	827.8
Shale, sandy	20.5	848.3
Sand	3.0	851.3
Shale	3.0	854.3
Sand	26.1	880.4
Shale	7.0	887.4
Sand	20.9	908.3
Shale, sandy	14.0	922.3
Sand	11.0	933.3
Shale	7.4	940.7
Meridian sand		
Sand, gray	31.7	972.4
Gumbo	6.0	978.4

LEFLORE COUNTY WELL 17a, NE.1/4, NE.1/4, SEC.32, T.22 N., R.1 W.

Claude Nixon — Driller: T. B. Minyard
Altitude: 140 ft.

	Thick.	Depth
Alluvium	feet	feet
Soil and clay	20.3	20.3
Clay	15.0	35.3
Sand	26.5	61.8
Sand and gravel	19.5	81.3
Gravel	41.5	122.8
Rock, hard	0.8	123.6
Gravel	3.0	126.6
Sand	5.0	131.6
Kosciusko sand		
Clay	1.0	132.6
Sand	39.6	172.2
Clay	9.8	182.0
Clay, gummy	20.6	202.6
Clay	60.3	262.9
Clay and thin strata of sand	17.0	279.9
Shale, sandy hard	17.7	297.6
Sand, hard	49.1	346.7
Sand	3.0	349.7
Zilpha clay		
Clay	41.6	391.3
Rock	0.3	391.6
Clay	2.0	393.6
Rock	0.2	393.8
Clay	1.0	394.8
Rock	0.2	395.0
Clay	1.0	396.0
Rock	0.3	396.3
Clay	2.0	398.3
Rock	0.3	398.6
Clay	3.0	401.6
Rock	0.3	401.9
Clay	1.0	402.9
Rock	0.4	403.3
Clay	5.0	408.3
Shale	5.0	413.3
Winona sand		
Greensand	15.9	429.2
Sand	1.0	430.2

TABLE 30—(Continued)

	Thick. feet	Depth feet
Winona sand		
Rock	0.6	430.8
Sand	22.5	453.3
Rock, medium	0.6	453.9
Clay	19.6	473.5
Rock, hard	2.2	475.7
Clay	2.0	477.7
Sand	12.1	489.8
Basic City shale		
Rock, hard	10.0	499.8
Clay	2.0	501.8
Rock	0.3	502.1
Shale	2.0	504.1
Rock	0.5	504.6
Sand	3.0	507.6
Rock, hard	1.2	508.8
Clay	6.2	515.0
Sand	10.0	525.0
Sand, hard	2.6	527.6
Shale, sandy	21.7	549.3
Clay	5.0	554.3
Sand	10.0	564.3
Shale	5.3	569.6
Clay	6.0	575.6
Basic City shale		
Sand	4.0	579.6
Rock	0.3	579.9
Sand	3.0	582.9
Rock	0.3	583.2
Sand	6.8	590.0
Clay	10.0	600.0
Shale	5.0	605.0
Sand, hard	7.1	612.1
Sand	1.2	613.3
Clay	6.0	619.3
Shale	13.3	632.6
Clay shale, hard	20.6	653.2
Sand, hard	10.0	663.2
Shale	5.0	668.2
Sand, hard	6.0	674.2
Shale, hard	31.2	705.4
Sand	19.1	724.5
Shale, hard	7.0	731.5
Sand	7.0	738.5
Shale, hard	15.2	753.7
Meridian sand		
Sand	40.8	794.5
Shale	10.5	805.0

LEFLORE COUNTY WELL 29, SW.1/4, SW.1/4, SEC.17, T.21 N., R.1 W.

Nebo Planting Co.
Altitude: 136.25 ft.

Driller: T. B. Minyard in 1913

	Thick. feet	Depth feet
Not reported	617.4	617.4
Basic City shale		
Sand	103.9	721.3
Gumbo	15.0	736.3
Sand	36.5	772.8
Gumbo	13.6	786.4
Sand	54.2	840.6
Gumbo	4.8	845.4
Sand	8.0	853.4
Basic City shale		
Gumbo	12.0	865.4
Sand	28.2	893.6
Gumbo	15.6	909.2
Sand	12.0	921.2
Gumbo	2.0	923.2
Sand	16.5	939.7
Gumbo	3.0	942.7

TABLE 30—(Continued)

LEFLORE COUNTY WELL 52, CENTER NW.1/4, SEC.30, T.21 N., R.1 W.

W. M. Whittington
Altitude: 134.7 ft.

Driller: C. M. Journey in 1938

	Thick. feet	Depth feet
Alluvium		
Clay and sand	23.0	23.0
Sand	43.9	66.9
Gravel and sand	21.9	88.8
Gravel	65.7	154.5
Sand	2.0	156.5
Wautubbee clay		
Gumbo	15.0	171.5
Kosciusko sand		
Sand	99.2	270.7
Gumbo	34.8	305.5
Sand	66.2	371.7
Zilpha clay		
Gumbo	79.2	450.9
Winona sand		
Rock	0.9	451.8
Gumbo	6.0	457.8
Rock	2.0	459.8
Gumbo	4.0	463.8
Rock	0.7	464.5
Gumbo	5.0	469.5
Rock	0.5	470.0
Sand	5.0	475.0
Rock	0.5	475.5
Sand	21.0	496.5
Rock	0.8	497.3
Sand	10.0	507.3
Rock	0.5	507.8
Gumbo	4.0	511.8
Basic City shale		
Rock	0.5	512.3
Sand	5.0	517.3
Rock	0.5	517.8
Sand	15.5	533.3
Rock	1.1	534.4
Sand	23.1	557.5
Rock	0.7	558.2
Sand	11.6	569.8
Not reported	27.9	597.7
Sand	13.0	610.7
Sand	22.5	633.2
Gumbo	5.3	638.5
Sand	2.5	641.0
Rock	0.4	641.4
Sand	21.0	662.4
Rock	0.5	662.9
Sand	21.1	684.0
Rock	0.2	684.2
Sand	6.0	690.2
Gumbo	32.7	722.9
Sand (Greensand?)	3.2	726.1
Meridian sand		
Sand, brown	42.9	796.0
Sand	11.0	780.0
Shale	6.0	786.0
Sand	4.2	790.2
Sand (?)	21.7	811.9

LEFLORE COUNTY WELL 53, SW.1/4, NE.1/4, SEC.26, T.21 N., R.2 W.

Charles Whittington
Altitude: 128.3 ft.

Driller: T. B. Minyard in 1928

	Thick. feet	Depth feet
Alluvium		
Soil and clay	22.8	22.8
Clay sand	19.5	42.3
Sand	37.6	79.9
Gravel	62.1	142.0
Cockfield (?) formation		
Sand	37.2	179.2

TABLE 30— (Continued)

	Thick.	Depth
Wautubbee clay	feet	feet
Clay	25.5	204.7
Sand	15.9	220.6
Clay	20.9	241.5
Kosciusko sand		
Sand	161.4	402.9
Clay	3.0	405.9
Sand	1.1	407.0
Clay	3.0	410.0
Sand	52.2	462.2
Zilpha clay		
Clay	36.1	498.3
Winona sand		
Rock	0.3	498.6
Clay	3.0	501.6
Rock	2.0	503.6
Clay	2.0	505.6
Rock	0.6	506.2
Stone	6.0	512.2
Rock	2.0	514.2
Shale	3.0	517.2
Rock	0.2	517.4
Sand	26.3	543.7
Clay	2.0	545.7
Rock	0.6	546.3
Sand	46.3	592.6
Rock	0.7	593.3
Sand	3.0	596.3
Rock	0.3	596.6
Sand	3.0	599.6
Basic City shale		
Rock	0.4	600.0
Sand	10.6	610.6
Rock	0.9	611.5
Sand	1.0	612.5
Rock	0.7	613.2
Sand	5.0	618.2
Shale	3.0	621.2
Clay	2.0	623.2
Sand	13.0	636.2
Rock	0.6	636.8
Clay	17.4	654.2
Rock	0.3	654.5
Clay	5.0	659.5
Rock	0.5	660.0
Clay	3.0	663.0
Sand	10.3	673.3
Clay	10.0	683.3
Rock	0.7	684.0
Sand	9.7	693.7
Clay	3.0	696.7
Meridian sand		
Sand	20.6	717.3
Clay	13.5	730.8
Sand	13.0	743.8
Clay	19.6	763.4
Sand	16.2	779.6
Clay	3.0	782.6
Sand	3.6	786.2
Clay	20.7	806.9

LEFLORE COUNTY WELL 56, SE.1/4, NW.1/4, SEC.36, T.21 N., R.2 W.

Robert Barrett — Driller: T. B. Minyard
Altitude: 126 ft. — in 1920

	Thick.	Depth
Alluvium	feet	feet
Clay	30.8	30.8
Sand	27.0	57.8
Gravel	90.8	148.6
Sand	21.0	169.6
Wautubbee (?) clay		
Clay	97.3	266.9
Rock, hard	0.6	267.5
Clay	69.0	336.5
Kosciusko sand		
Clay and sand	21.2	357.7
Clay, hard, gummy	20.6	378.3
Clay	30.3	408.6
Sand	35.3	443.9
Zilpha clay		
Clay	43.0	486.9

TABLE 30—(Continued)

	Thick.	Depth
Winona sand	feet	feet
Rock	5.3	492.2
Clay	10.0	502.2
Rock	0.5	502.7
Sand, green	4.0	506.7
Rock	0.2	506.9
Sand, green	38.1	545.0
Rock	0.8	545.8
Sand	23.3	569.1
Rock	0.3	569.4
Sand	21.4	590.8
Rock	0.9	591.7
Sand	24.8	616.5
Rock	0.6	617.1
Sand	24.1	641.2
Basic City shale		
Clay	6.0	647.2
Rock	0.4	647.6
Shale	4.0	651.6
Clay	6.3	657.9
Rock	0.7	658.6
Sand	0.7	659.3
Rock	0.9	660.2
Basic City shale		
Sand	7.0	667.2
Unreported	10.7	677.9
Rock	0.8	678.7
Clay	6.0	684.7
Unreported	12.1	696.8
Sand	4.0	700.8
Rock	0.2	701.0
Sand	6.0	707.0
Rock	0.9	707.9
Sand	9.0	716.9
Unreported	0.3	717.2
Rock	0.5	717.7
Sand	2.0	719.7
Rock	0.6	720.3
Sand	2.0	722.3
Rock	0.4	722.7
Sand, green	6.0	728.7
Clay	0.7	729.4
Unreported	8.0	737.4
Clay	4.0	741.4
Rock	0.8	742.2
Sand, green	57.5	799.7

LEFLORE COUNTY WELL 60a, NE.1/4, SE.1/4, SEC.36, T.21 N., R.2 W.

Captain Anderson — Driller: T. B. Minyard
Altitude: 132 ft.

	Thick.	Depth
Alluvium	feet	feet
Clay	19.7	19.7
Sand	34.8	54.5
Gravel	73.7	128.2
Sand	2.0	130.2
Wautubbee clay		
Clay	79.6	209.8
Kosciusko sand		
Sand	66.3	276.1
Sand and clay	22.1	298.2
Sand	88.5	386.7
Clay	22.1	408.8
Clay and sand	22.2	431.0
Shale	22.5	453.5
Unreported	74.5	528.0
Rock	.5	528.5
Kosciusko sand		
Sand	15.0	543.5
Rock	1.3	544.8
Sand	50.0	594.8
Rock	.3	595.1
Sand	14.0	609.1
Basic City shale		
Rock	.7	609.8
Sand	1.0	610.8
Clay	14.0	624.8
Rock	.7	625.5
Clay	4.0	629.5
Sand	15.0	644.5
Rock	.3	644.8
Sand	25.0	669.8
Rock	.3	670.1

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet
Sand	7.0	677.1
Rock	.2	677.3
Sand	1.0	678.3
Rock	.2	678.5
Sand	5.0	683.5
Rock	.2	683.7
Sand	1.0	684.7
Rock	.5	685.2
Sand	1.0	686.2
Rock	.5	686.7
Sand	3.0	689.7
Rock	.4	690.1
Sand	4.0	694.1
Clay	5.0	699.1
Meridian sand		
Sand	87.3	786.4

LEFLORE COUNTY WELL 95, NE.1/4, NE.1/4, SEC.14, T.20 N., R.1 W.

C. E. Merrill — Driller: T. B. Minyard
Altitude: 135 ft.

Alluvium	Thick. feet	Depth feet
Clay, heavy	15.0	15.0
Sand	73.1	88.1
Gravel, fine	37.7	125.8
Gravel	5.0	130.8
Kosciusko sand		
Rock	.4	131.2
Sand	6.0	137.2
Rock	.3	137.5
Sand	30.0	167.5
Sand, loose	20.0	187.5
Sand, hard	21.3	208.8
Sand	73.4	282.2
Zilpha clay		
Clay	59.5	341.7
Winona sand		
Rock	.3	342.0
Clay	5.0	347.0
Rock	.2	347.2
Clay	3.0	350.2
Rock	.4	350.6
Clay	7.0	357.6
Sand, green	95.3	452.9
Rock	11.0	463.9
Sand	22.5	486.4
Rock, soft	.7	487.1
Sand	18.0	505.1
Basic City shale		
Shale	2.0	507.1
Sand	8.0	515.1
Shale	5.0	520.1
Sand	2.0	522.1
Rock	1.2	523.3
Sand	12.3	535.6
Rock, hard	12.7	548.3
Sand	1.0	549.3
Rock, hard	.2	549.5
Sand	1.0	550.5
Rock, soft	.2	550.7
Sand	12.0	562.7
Rock, hard	.2	562.9
Clay	2.0	564.9
Rock	.3	565.2
Sand	6.0	571.2
Rock	.3	571.5
Sand, coarse	4.0	575.5
Rock, hard	.3	575.8
Clay	2.0	577.8
Sand, loose	14.0	591.8
Clay	1.0	592.8
Clay, brittle	20.9	613.7
Clay	36.0	649.7
Shale, hard	6.4	656.1
Shale	6.0	662.1
Sand	6.0	668.1
Shale	33.1	701.2
Sand	3.0	704.2
Shale	9.0	713.2
Rock, soft	.2	713.4

TABLE 30—(Continued)

	Thick.	Depth
Basic City shale	feet	feet
Shale	4.0	717.4
Rock, soft	1.0	718.4
Shale	18.0	736.4
Sand	5.3	741.7
Basic City shale		
Shale	2.0	743.7
Sand	3.0	746.7
Shale	13.6	760.3

LEFLORE COUNTY WELL 97, NE.1/4, SE.1/4, SEC.17, T.20 N., R.1 W.

W. S. Berry
Altitude: 128 ft.

Driller: C. M. Journey in 1938

	Thick.	Depth
Alluvium	feet	feet
Soil and clay	12.0	12.0
Sand	76.0	88.0
Sand and gravel	22.0	110.0
Sand	10.0	120.0
Wautubbee clay		
Clay	102.0	222.0
Kosciusko sand		
Sand	90.0	312.0
Clay	5.0	317.0
Sand	54.0	371.0
Gumbo	21.0	392.0
Sand	10.0	402.0
Zilpha clay		
Gumbo	35.0	437.0
Winona sand		
Rock-gumbo	39.0	476.0
Greensand	103.0	579.0
Shale and sand	26.0	605.0
Basic City shale		
Rock-shale	37.0	642.0
Rock-gumbo	40.0	682.0
Sand and thin strata of rock	21.0	703.0
Sand	43.0	746.0

LEFLORE COUNTY WELL 100, NS MID. SEC. LINE, SEC.21, T.20 N., R.1 W.

J Statton & others
Altitude: 138.5 ft.

Driller: T. B. Minyard in 1938

	Thick.	Depth
Alluvium	feet	feet
Unreported	84.0	84.0
Gravel	31.0	115.0
Gravel, cemented	6.0	121.0
Gravel, heavy	5.0	126.0
Kosciusko sand		
Sand	60.4	186.4
Rock, soft	.4	186.8
Sand	23.9	210.7
Unreported, probably sand	63.6	274.3
Sand	124.6	398.9
Zilpha clay		
Clay, gummy	3.8	402.7
Shale	42.9	445.6
Winona sand		
Rock, hard	.6	446.2
Sand	2.0	448.2
Rock, soft	1.5	449.7
Sand, hard	4.0	453.7
Rock, soft	.2	453.9
Sand, hard	1.0	454.9
Shale	1.0	455.9
Rock, soft	.6	456.5
Shale	8.3	464.8
Rock, hard	.7	465.5
Sand	11.0	476.5
Shale	2.0	478.5
Sand	6.0	484.5
Rock, hard	.3	484.8
Sand	32.8	517.6

TABLE 30—(Continued)

	Thick.	Depth
Winona sand	feet	feet
Rock, hard	.3	517.9
Sand	16.4	534.3
Rock, hard	.5	534.8
Sand, hard	34.8	569.6
Basic City shale		
Rock, soft	2.4	572.0
Shale	1.8	573.8
Sand, hard	13.0	586.8
Rock, hard	1.4	588.2
Shale	2.0	590.2
Sand	10.9	601.1
Shale	7.0	608.1
Rock, soft	.7	608.8
Sand	4.0	612.8
Rock, hard	1.6	614.4
Sand	13.3	627.7
Clay	8.0	635.7
Sand	1.0	636.7
Rock, hard	.4	637.1
Sand	9.4	646.5
Rock, hard	.7	647.2
Sand	1.0	648.2
Rock, soft	1.5	649.7
Sand	1.0	650.7
Rock, soft	.3	651.0
Sand	2.0	653.0
Rock, soft	.2	653.2
Sand	2.0	655.2
Rock, soft	0.8	656.0
Sand	3.0	659.0
Shale	.8	659.8
Sand	2.0	661.8
Rock, hard	.6	662.4

	Thick.	Depth
Basic City shale	feet	feet
Sand	1.6	664.0
Rock, hard	.7	664.7
Sand	3.0	667.7
Rock, soft	.5	668.2
Sand	2.0	670.2
Rock, soft	.2	670.4
Sand	3.6	674.0
Rock, hard	.3	674.3
Sand	10.1	684.4
Sand, gummy	3.0	687.4
Sand	2.0	689.4
Rock, soft	.6	690.0
Sand	1.0	691.0
Rock, hard	.3	691.3
Unreported	12.6	703.9
Sand	6.1	710.0
Rock, very hard	.5	710.5
Sand	3.0	713.5
Rock, soft	.2	713.7
Sand	7.0	720.7
Rock, soft	.8	721.5
Gumbo	1.0	722.5
Sand	3.0	725.5
Shale	2.0	727.5
Meridian sand		
Sand	26.9	754.4
Shale	2.0	756.4
Sand	10.0	766.4
Shale	6.6	773.0
Sand	13.0	786.0
Shale	3.0	789.0
Sand	19.5	808.5
Shale	3.0	811.5

LEFLORE COUNTY WELL 114, SW.1/4, NW.1/4, SEC.36, T.20 N., R.1 E.

Mr. Mitchell
Altitude: 125.9 ft.

Driller: T. B. Minyard
in 1936

	Thick.	Depth
Alluvium	feet	feet
Clay	10.0	10.0
Sand	12.5	22.5
Clay	5.0	27.5

	Thick.	Depth
Alluvium	feet	feet
Gravel	5.0	32.5
Sand, hard	11.0	43.5
Sand	11.0	54.5

TABLE 30—(Continued)

	Thick.	Depth
Alluvium	feet	feet
Gravel	8.0	62.5
Clay	3.7	66.2
Sand	15.0	81.2
Gravel	3.0	84.2
Sand	8.9	93.1
Gravel	5.0	98.1
Sand	21.6	119.7
Gravel	11.0	130.7
Sand	8.0	138.7
Gravel	14.1	152.8
Sand	10.0	162.8
Gravel	11.1	173.9
Zilpha clay		
Clay	21.5	195.4
Shale, hard	18.9	214.3
Shale	1.0	215.3
Winona sand		
Rock, soft	1.2	216.5
Clay	2.0	218.5
Rock, hard	1.0	219.5
Shale	3.0	222.5
Rock, soft	0.8	223.3
Shale, hard	1.0	224.3
Sand, hard	94.0	318.3
Rock, hard	1.6	319.9
Shale	1.0	320.9
Sand, good	28.8	349.7
Rock	0.3	350.0
Clay	3.0	353.0
Winona sand		
Sand	17.3	370.3
Gumbo	2.0	372.3
Sand	1.0	373.3
Rock, hard	0.6	373.9
Sand	5.0	378.9
Rock	0.2	379.1
Sand	5.0	384.1
Rock, hard	0.8	384.9
Sand	4.8	389.7
Basic City shale		
Clay	4.0	393.7
Rock, hard	0.3	394.0
Sand	4.0	398.0
Shale	2.8	400.8
Sand	3.0	403.8
Shale	2.0	405.8
Sand	4.0	409.8
Clay	2.0	411.8
Sand	1.5	413.3
Gumbo	10.0	423.3
Rock, hard	0.8	424.1
Sand	14.0	438.1
Rock, soft	0.8	438.9
Sand	4.0	442.9
Rock, soft	0.1	443.0
Sand	16.3	459.3
Clay	3.0	462.3
Sand	2.0	464.3
Clay	11.0	475.3

LEFLORE COUNTY WELL 116a, SE.1/4, SW.1/4, SEC.30, T.20 N., R.2 E..

Vernon Funches
Altitude: 130 ft

Driller: T. B. Minyard in 1939

	Thick.	Depth
Alluvium	feet	feet
Clay	10.0	10.0
Sand	48.6	58.6
Gravel	22.0	80.6
Sand	30.0	110.6
Gravel	35.1	145.7
Kosciusko sand		
Rock	0.2	145.9
Sand	15.0	160.9
Unreported	6.6	167.5
Zilpha clay		
Clay	15.0	182.5
Winona sand		
Rock	0.2	182.7
Clay	2.0	184.7
Rock	0.2	184.9
Clay	1.0	185.9
Rock	0.1	186.0
Clay	2.0	188.0
Rock	0.3	188.3

TABLE 30—(Continued)

Winona sand	Thick. feet	Depth feet
Clay	8.0	196.3
Rock	0.6	196.9
Unreported	12.5	209.4
Sand	64.1	273.5
Rock	0.1	273.6
Sand	6.9	280.5
Rock	0.3	280.8
Shale	12.1	292.9
Sand	1.0	293.9
Rock	0.5	294.4
Sand	3.0	297.4
Rock	0.3	297.7
Sand	3.0	300.7
Clay	2.6	303.3
Unreported	7.4	310.7
Sand	7.0	317.7
Rock	0.3	318.0
Sand	4.0	322.0
Rock	0.7	322.7
Sand	7.6	330.3
Rock	0.1	330.4
Sand	3.9	334.3
Rock	0.1	334.4
Sand	4.0	338.4
Rock	0.1	338.5
Unreported	12.9	351.4
Sand	4.0	355.4
Rock	0.2	355.6
Clay	2.0	357.6
Unreported	14.2	371.8
Sand	2.0	373.8
Clay	4.0	377.8
Sand	4.0	381.8
Rock	0.2	382.0
Sand	55.6	437.6
Basic City shale		
Clay	1.0	438.6
Sand	5.0	443.6
Clay	3.0	446.6

LEFLORE COUNTY WELL 120, NE.1/4, NW.1/4, SEC.2, T.19 N., R.1 E.

County Schools
Altitude: 129.5 ft.

Driller: T. B. Minyard in 1938

Alluvium	Thick. feet	Depth feet
Soil and clay	23.4	23.4
Sand and thin strata of interbedded muck	22.6	46.0
Sand, blue	21.7	67.7
Sand, fine-grained	4.0	71.7
Gravel and sand	64.5	136.2
Kosciusko sand		
Sand	17.6	153.8
Sand and thin strata of gumbo	20.3	174.1
Clay and sand, alternating strata	4.0	178.1
Zilpha clay		
Gumbo	39.4	217.5
Clay	22.6	240.1
Rock	0.5	240.6
Clay	5.0	245.6
Rock	1.0	246.6
Clay, hard	32.3	278.9
Sand	68.0	346.9
Rock, soft	0.3	347.2
Sand	17.4	364.6
Clay	18.0	382.6
Shale	0.7	383.3
Sand	8.0	391.3
Rock	0.7	392.0
Sand	5.0	397.0
Rock	0.3	397.3
Sand	11.8	409.1
Rock, hard	0.3	409.4
Sand	3.0	412.4
Rock, hard	0.3	412.7

TABLE 30—(Continued)

Winona sand	Thick. feet	Depth feet
Gumbo	3.0	415.7
Sand	9.0	424.7
Shale, hard	22.2	446.9
Shale	4.0	450.9
Sand	10.0	460.9
Clay	3.0	463.9
Sand	9.7	473.6
Shale	10.0	483.6
Sand	8.2	491.8
Shale	14.0	505.8
Sand	13.3	519.1
Shale	11.0	530.1
Sand	3.2	533.3
Clay	20.7	554.0

LEFLORE COUNTY WELL 130, CENTER SW.1/4, SEC.8, T.19 N., R.1 E.

R. L. Pillow — Driller: C. M. Journey in 1938
Altitude: 132 ft.

	Thick.	Depth
Alluvium	feet	feet
Clay	24.0	24.0
Sand	66.0	90.0
Gravel	72.0	162.0
Kosciusko sand		
Sand	114.0	276.0
Zilpha clay		
Gumbo	149.0	425.0
Winona sand		
Rock	1.0	426.0
Sand	33.0	459.0
Gumbo	9.0	468.0
Rock	1.2	469.2
Sand	18.0	487.2
Rock	1.6	488.8
Sand	10.2	499.0
Basic City shale		
Shale	22.0	521.0
Sand and shale	21.0	542.0
Gumbo, hard	13.0	555.0
Basic City shale		
Shale	9.0	564.0
Sand	7.0	571.0
Rock	1.6	572.6
Gumbo	13.4	586.0
Shale and sand	22.0	608.0
Gumbo	6.0	614.0
Sand	16.0	630.0
Gumbo and shale	20.0	650.0
Sand	23.0	673.0
Gumbo	19.0	692.0
Sand	21.0	713.0
Gumbo	26.0	739.0
Sand	14.0	753.0
Gumbo	14.0	767.0
Sand	6.0	773.0
Gumbo	10.0	783.0
Sand	3.0	786.0
Gumbo	32.0	818.0
Meridian sand		
Sand	59.3	877.3

LEFLORE COUNTY WELL 136, NE.1/4, NW.1/4, SEC.12, T.19 N., R.1 E.

C. M. Journey — Driller: C. M. Journey in 1938
Altitude: 129.5 ft.

	Thick.	Depth
Alluvium	feet	feet
Loam	21.0	21.0
Sand	109.0	130.0
Zilpha clay		
Gumbo	59.0	189.0
Winona sand		
Sand	108.0	297.0
Rock	0.3	297.3
Sand	9.7	307.0
Rock	1.0	308.0
Sand	103.0	411.0

TABLE 30—(Continued)

LEFLORE COUNTY WELL 155a, NE.1/4, SW.1/4, SEC.18, T.19 N., R.1 W.

S. F. Jones — Driller: T. B. Minyard
Altitude: 126 ft.

	Thick.	Depth
Alluvium	feet	feet
Clay	20.0	20.0
Sand	41.5	61.5
Gravel	77.0	138.5
Cockfield formation		
Clay	46.3	184.8
Sand	21.0	205.8
Wautubbee clay		
Clay	88.6	294.4
Rock	1.2	295.6
Clay	53.6	349.2
Kosciusko sand		
Sand	21.2	370.4
Clay	46.7	417.1
Sand	10.0	427.1
Clay	31.4	458.5
Sand	4.0	462.5
Clay	6.0	468.5
Sand	32.5	501.0
Zilpha clay		
Clay	41.1	542.1
Winona sand		
Rock	0.1	542.2
Clay	16.0	558.2
Rock	0.9	559.1
Clay	18.1	577.2
Sand	6.0	583.2
Rock	0.8	584.0
Sand	28.2	612.2
Clay	10.7	622.9
Sand	9.0	631.9
Rock	0.3	632.2
Sand	24.6	656.8
Winona sand		
Clay	3.0	659.8
Sand	7.0	666.8
Clay	2.0	668.8
Rock	0.8	669.6
Sand	14.0	673.6
Clay	18.0	691.6
Rock	0.3	691.9
Sand	3.0	694.9
Clay	2.0	696.9
Rock	0.1	697.0
Sand	4.0	701.0
Rock	0.2	701.2
Sand	1.0	702.2
Rock	0.5	702.7
Sand	9.0	711.7
Rock, hard	1.3	713.0
Sand, good	6.0	719.0
Basic City shale		
Shale	8.0	727.0
Rock	0.3	727.3
Shale	5.4	732.7
Sand, hard	8.0	740.7
Clay	4.0	744.7
Sand, hard	6.0	750.7
Clay	2.0	752.7
Sand	7.1	759.8
Rock	0.3	760.1
Sand, hard	4.0	764.1
Rock	0.3	764.4
Sand, hard	5.0	769.4
Unreported	5.2	774.6
Sand	20.0	794.6

LEFLORE COUNTY WELL 158, NE.1/4, NE.1/4, SEC.22, T.19 N., R.2 W.

Benn Bibb — Driller: T. B. Minyard
Altitude: 117.5 ft.

	Thick.	Depth
Alluvium	feet	feet
Soil and clay	21.6	21.6
Clay	20.8	42.4
Sand	21.0	63.4
Alluvium		
Gravel	62.5	125.9
Cockfield formation		
Clay	6.0	131.9

TABLE 30—(Continued)

	Thick.	Depth
Cockfield formation	feet	feet
Unreported	15.0	146.9
Sand	8.0	154.9
Clay	4.0	158.9
Unreported	8.5	167.4
Sand, hard	107.1	274.5
Wautubbee clay		
Clay	6.0	280.5
Kosciusko sand		
Sand	9.7	290.2
Sand, hard	61.4	351.6
Clay	81.4	433.0
Clay streaks	16.8	449.8
Sand	4.0	453.8
Clay	41.2	495.0
Clay streaked with sand	20.7	515.7
Kosciusko sand		
Sand	10.0	525.7
Zilpha clay		
Clay	64.7	590.4
Winona sand		
Rock	.3	590.7
Clay	18.8	609.5
Rock	2.2	611.7
Clay	4.2	615.9
Sand, hard	58.5	674.4
Clay	4.0	678.4
Sand, hard	16.2	694.6
Shale	4.0	698.6
Sand, hard	38.4	737.0
Rock	1.7	738.7
Sand	22.0	760.7

LEFLORE COUNTY WELL 162a, NW.1/4, SE.1/4, SEC.20, T.19 N., R.1 W.

Itta Bena Ice and Coal Co. Driller: T. B. Minyard
Altitude: 123 ft. in 1925

	Thick.	Depth
Alluvium	feet	feet
Soil and clay	22.3	22.3
Sand and clay	22.2	44.5
Sand	26.8	71.3
Gravel	73.4	144.7
Kosciusko sand		
Sand	83.3	228.0
Clay	6.7	234.7
Sand	76.9	311.6
Clay	26.7	338.3
Sand	38.1	376.4
Clay	8.0	384.4
Sand	8.3	392.7
Clay	29.6	422.3
Sand	10.6	432.9
Zilpha clay		
Clay	12.0	444.9
Shale	9.9	454.8
Clay	105.6	560.4
Winona sand		
Rock	0.5	560.9
Clay	8.0	568.9
Sand	39.3	608.2
Winona sand		
Clay	16.0	624.2
Rock	0.7	624.9
Sand	4.0	628.9
Clay	4.2	633.1
Sand	3.8	636.9
Rock	2.3	639.2
Sand	10.0	649.2
Rock	0.8	650.0
Clay	2.0	652.0
Sand	3.0	655.0
Clay	12.0	667.0
Sand	21.2	688.2
Clay	7.0	695.2
Sand	12.3	707.5
Rock	0.7	708.2
Sand	4.0	712.2
Clay	3.0	715.2
Sand	13.4	728.6
Clay	2.0	730.6
Sand	4.0	734.6
Clay	2.0	736.6
Sand	12.0	748.6

TABLE 30—(Continued)

	Thick.	Depth
Winona sand	feet	feet
Rock	0.7	749.3
Clay	3.0	752.3
Sand	36.8	789.1
Rock	1.2	790.3
Sand	11.0	801.3
Basic City shale		
Clay	37.2	838.5
Sand	21.7	860.2
Clay	4.0	864.2
Sand	4.0	868.2
Rock	0.1	868.3
Sand	12.4	880.7
Rock	0.2	880.9
Basic City shale		
Sand	1.0	881.9
Rock	0.7	882.6
Sand	2.0	884.6
Rock	0.2	884.8
Clay	25.3	910.1
Sand	7.0	917.1
Clay	21.1	938.2
Sand	15.0	953.2
Clay	2.0	955.2
Sand	4.0	959.2
Clay	18.6	977.8
Meridian sand		
Sand	75.9	1053.7

LEFLORE COUNTY WELL 172a, NE.1/4, SE.1/4, SEC.26, T.19 N., R.1 E.

James Glass
Altitude: 126 ft.

Driller: T. B. Minyard
in 1939

	Thick.	Depth
Alluvium	feet	feet
Clay	14.0	14.0
Sand	9.5	23.5
Gravel	4.0	27.5
Sand	5.0	32.5
Gravel	3.0	35.5
Sand	7.7	43.2
Gravel	2.0	45.2
Sand	35.2	80.4
Gravel, heavy	15.0	95.4
Unreported	4.8	100.2
Sand, hard	28.7	128.9
Gravel, heavy	4.0	132.9
Kosciusko sand		
Sand	41.1	174.0
Clay	1.8	175.8
Sand	4.0	179.8
Clay	12.0	191.8
Gravel	4.0	195.8
Sand, soft and white	38.0	233.8
Zilpha clay		
Clay	25.4	259.2
Winona sand		
Rock, soft	0.1	259.3
Clay	2.0	261.3
Winona sand		
Rock, medium	4.0	265.3
Clay	2.0	267.3
Rock	0.7	268.0
Sand	29.5	297.5
Streaks of clay	4.0	301.5
Sand	17.1	318.6
Basic City shale		
Shale	3.0	321.6
Sand	16.6	338.2
Clay	5.0	343.2
Sand	3.0	346.2
Clay	12.5	358.7
Sand, soft	18.0	376.7
Shale	3.8	380.5
Sand, soft	21.7	402.2
Clay	4.0	406.2
Rock, hard	0.5	406.7
Shale	14.0	420.7
Sand	15.0	435.7
Rock	0.6	436.3
Sand	1.0	437.3
Rock	0.3	437.6
Sand	6.0	443.6
Rock	0.1	443.7
Sand	1.0	444.7

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet	Basic City shale	Thick. feet	Depth feet
Rock	0.1	444.8	Sand	2.0	452.6
Sand	2.8	447.6	Clay	2.0	454.6
Clay	3.0	450.6	Sand	29.1	483.6

LEFLORE COUNTY WELL 175a, NW.1/4, NE.1/4. SEC.26, T.19 N., R.1 W.

A. L. Parker — Driller: T. B. Minyard in 1939
Altitude: 115 ft.

Alluvium	Thick feet	Depth feet	Winona sand	Thick feet	Depth feet
Clay	10.0	10.0	Sand	42.5	554.7
Gumbo	3.0	13.0	Rock	0.3	555.0
Unreported	8.5	21.5	Sand	21.0	576.0
Clay	2.0	23.5	Rock	0.4	576.4
Sand	53.0	76.5	Sand	19.0	595.4
Gravel, heavy	6.0	82.5	Clay	5.0	600.4
Gravel	7.0	89.5	Sand	7.0	607.4
Unreported	14.2	103.7	Rock	0.6	608.0
Gravel and sand	20.7	124.4	Unreported	9.4	617.4
Sand	3.8	128.2	Sand	3.0	620.4
Wautubbee(?) clay			Rock	0.8	621.2
Clay	23.0	151.2	Sand	11.0	632.2
Kosciusko sand			Stone	5.5	637.7
Sand	4.0	155.2	Rock	0.3	638.0
Clay	3.0	158.2	Sand	21.3	659.3
Unreported	7.7	165.9	Clay	2.0	661.3
Sand	8.0	173.9	Basic City shale		
Clay	6.0	179.9	Rock, hard	0.7	662.0
Sand	110.0	289.9	Sand	2.0	664.0
Clay	3.6	293.5	Rock, hard	0.4	664.4
Sand and clay	20.6	314.1	Sand	26.0	690.4
Clay	4.0	318.1	Clay, gummy	9.3	699.7
Sand	31.6	349.7	Sand	3.0	702.7
Clay	3.0	352.7	Rock, soft	0.2	702.9
Sand	52.6	405.3	Sand	0.9	703.8
Clay and sand	2.0	407.3	Rock, soft	0.2	704.0
Zilpha clay			Sand	16.0	720.0
Clay, gummy	28.0	435.3	Clay	5.0	725.0
Shale	3.0	438.3	Sand	20.2	745.2
Clay, gummy	41.1	479.4	Rock, soft	0.2	745.4
Winona sand			Sand	8.0	753.4
Shale	14.4	493.8	Clay	14.1	767.5
Clay	2.0	495.8	Sand	3.0	770.5
Sand	12.0	507.8	Clay	5.0	775.5
Unreported	4.4	512.2	Sand	4.0	779.5

TABLE 30—(Continued)

Basic City shale	Thick feet	Depth feet
Clay	7.7	787.2
Clay and shale	14.0	801.2
Sand	5.2	806.4
Stone	2.0	808.4
Sand	2.0	810.4
Clay	4.0	814.4
Sand	2.0	816.4
Clay	3.0	819.4
Unreported	10.4	829.8
Clay, gummy	10.0	839.8
Sand	11.3	851.1
Clay, gummy	13.0	864.1
Sand, coarse	9.6	873.7
Clay	1.0	874.7
Sand	1.0	875.7
Clay, brittle	25.8	901.5
Sand	3.0	904.5
Clay, brittle	3.0	907.5
Sand, good	7.2	914.7
Clay	3.3	918.0
Meridian(?) sand		
Sand	18.0	936.0
Clay, brittle	14.0	950.0
Sand	26.2	976.2
Clay	1.0	977.2

LEFLORE COUNTY WELL 178, SE.1/4, NE.1/4, SEC.27, T.19 N., R.2 W.

John L. Klump
Altitude: 118 ft.

Driller: T. B.Minyard
in 1938

Alluvium	Thick. feet	Depth feet
Clay, gummy	26.1	26.1
Sand	34.4	60.5
Gravel	19.5	80.0
Sand	23.9	103.9
Gravel	8.0	111.9
Sand	3.5	115.4
Gravel	46.1	161.5
Cockfield formation		
Sand	26.9	188.4
Clay, gummy	12.0	200.4
Sand	19.4	219.8
Clay, gummy	5.0	224.8
Sand	16.5	241.3
Clay	3.0	244.3
Sand	5.0	249.3
Wautubbee clay		
Clay	40.2	289.5
Sand	3.0	292.5
Clay	3.0	295.5
Kosciusko sand		
Sand	160.3	455.8
Clay	3.0	458.8
Sand	2.0	460.8
Clay	11.0	471.8
Sand	4.4	476.2
Kosciusko sand		
Gumbo shale	2.0	478.2
Sand	2.0	480.2
Gumbo shale	11.0	491.2
Sand	16.1	507.3
Zilpha clay		
Gumbo shale	77.8	585.1
Rock, soft	0.3	585.4
Shale, hard	10.0	595.4
Winona sand		
Rock, hard	1.1	596.5
Sand	9.2	605.7
Gumbo	2.0	607.7
Rock, soft	0.3	608.0
Shale, hard	9.0	617.0
Sand	1.0	618.0
Rock, hard	0.7	618.7
Shale	25.6	644.3
Sand	4.0	648.3
Gumbo shale	14.0	662.3
Greensand	20.1	682.4
Rock, hard	0.4	682.8
Sand, soft	24.0	706.8
Gumbo shale	4.5	711.3
Sand	4.0	715.3
Rock, hard	1.3	716.6

TABLE 30—(Continued)

	Thick.	Depth
Winona sand	feet	feet
Sand, soft	18.4	735.0
Rock, hard	1.1	736.1
Sand	31.4	767.5
Basic City shale		
Rock, hard	0.6	768.1
Sand	7.1	775.2
Gumbo shale	2.0	777.2
Sand	2.0	779.2
Rock, hard	0.4	779.6
Sand, brown hard	29.1	808.7
Basic City shale		
Rock, soft	0.4	809.1
Sand	3.0	812.1
Rock, soft	1.5	813.6
Sand, brown	20.2	833.8
Gumbo and hard shale	3.3	837.1
Sand	8.0	845.1
Gumbo shale	2.0	847.1
Sand, hard	10.0	857.1
Gumbo shale	..	.....

LEFLORE COUNTY WELL 181, SW.1/4, NW.1/4, SEC.33, T.19 N., R.1 W.

John McLean — Driller: T. B. Minyard
Altitude: 123 ft. — in 1936

	Thick.	Depth
Alluvium	feet	feet
Clay and sand, surface	21.7	21.7
Sand	52.5	74.2
Gravel	169.9	244.1
Clay	8.0	252.1
Gumbo	34.2	286.3
Sand	17.0	303.3
Gumbo, tough	56.3	359.6
Sand	12.0	371.6
Gumbo	12.1	383.7
Sand	22.3	406.0
Zilpha clay		
Gumbo	23.1	429.1
Shale, hard	16.0	445.1
Gumbo	101.8	546.9
Shale, hard	22.2	569.1
Winona sand		
Rock	0.3	569.4
Not reported	20.0	589.4
Greensand	8.0	597.4
Rock, hard	1.8	599.2
Greensand	29.5	628.7
Clay	20.3	649.0
Rock	0.8	649.8
Sand, hard	17.9	667.7
Rock	2.5	670.2
Winona sand		
Sand	25.5	695.7
Rock	1.2	696.9
Sand	48.3	745.2
Basic City shale		
Clay	14.0	759.2
Shale, hard	43.6	802.8
Sand	16.3	819.1
Gumbo	20.2	839.3
Sand	35.7	875.0
Clay	14.3	889.3
Sand	5.0	894.3
Clay	8.0	902.3
Sand	4.0	906.3
Clay	13.2	919.5
Shale, hard	29.3	948.8
Gumbo	46.1	994.9
Meridian sand		
Shale, hard	6.0	1000.9
Sand	20.4	1021.3
Shale	16.2	1037.5
Sand	8.0	1045.5
Clay	6.0	1051.5
Sand	7.9	1059.4
Clay	14.0	1073.4
Sand	40.5	1113.9
Clay	2.0	1115.9
Not reported	5.4	1121.3

TABLE 30—(Continued)

LEFLORE COUNTY WELL 191, NE.1/4, NE.1/4, SEC.4, T.18 N., R.1 W.

John McLean
Altitude: 120 ft.

Driller: T. B. Minyard in 1936

	Thick. feet	Depth feet
Alluvium		
Clay	15.0	15.0
Sand	69.9	84.9
Gravel	90.9	175.8
Wautubbee clay		
Clay	58.1	233.9
Kosciusko sand		
Sand	57.5	291.4
Clay	77.9	369.3
Sand	40.1	409.4
Zilpha clay		
Clay	5.2	414.6
Stone	11.0	425.6
Shale, sandy	34.2	459.8
Clay	83.8	543.6
Shale, hard	5.0	548.6
Rock	0.2	548.8
Shale, sandy	14.5	563.3
Shale, hard sandy	21.3	584.6
Winona sand		
Sand	15.0	599.6
Gumbo	7.0	606.6
Sand	18.0	624.6
Winona sand		
Rock	2.3	626.9
Sand	8.0	634.9
Rock, hard	3.3	638.2
Sand	27.1	665.3
Rock	1.2	666.5
Sand	32.4	698.9
Rock	0.2	699.1
Sand	15.2	714.3
Rock, hard	2.9	717.2
Sand	71.4	788.6
Shale, hard	9.0	797.6
Basic City shale		
Rock	0.2	797.8
Shale, hard	15.0	812.8
Sand	14.9	827.7
Gumbo	20.1	847.8
Sand	19.2	867.0
Clay	18.3	885.3
Sand	50.4	935.7
Clay	13.3	949.0
Sand	18.3	967.3

Log incomplete.

LEFLORE COUNTY WELL 197, NE.1/4, NE.1/4, SEC.29, T.18 N., R.1 W.

W. G. Poindexter
Altitude: 121 ft.

Driller: C. M. Journey in 1937

	Thick. feet	Depth feet
Alluvium		
Gumbo	16.0	16.0
Sand	72.3	88.3
Gravel	41.8	130.1
Sand and gravel	10.0	140.1
Cockfield (?) formation		
Gumbo	5.0	145.1
Sand	19.1	164.2
Wautubbee clay		
Gumbo	7.7	171.9
Sand	5.0	176.9
Gumbo	21.6	198.5
Kosciusko sand		
Sand	176.2	374.7
Gumbo	5.0	379.7
Sand	14.6	394.3
Gumbo	5.0	399.3
Sand	33.3	432.6
Zilpha clay		
Shale, hard	21.9	454.5
Gumbo, hard	121.9	576.4
Winona sand		
Rock	0.9	577.3
Gumbo	8.0	585.3
Sand	14.6	599.9

TABLE 30—(Continued)

	Thick.	Depth
Winona sand	feet	feet
Rock	1.0	600.9
Sand	12.0	612.9
Gumbo	15.5	628.4
Rock	2.1	630.5
Sand	25.0	655.5
Gumbo	16.1	671.6
Sand	18.0	689.6
Shale	19.2	708.8
Sand	21.4	730.2
Rock	1.3	731.5
Sand	33.5	765.0
Basic City shale		
Shale	23.3	788.3
Basic City shale		
Sand	17.0	805.3
Shale	13.3	818.6
Rock	0.3	818.9
Sand	20.4	839.3
Gumbo	15.1	854.4
Sand	17.0	871.4
Gumbo	4.0	875.4
Sand	3.2	878.6
Rock	1.0	879.6
Sand	15.1	894.7
Shale	4.7	899.4
Sand	42.0	941.4
Gumbo	0.6	942.0

LEFLORE COUNTY WELL 198a, SW.1/4, NE.1/4, SEC.25, T.18 N., R.2 W.

Arant and Bell
Altitude: 122 ft.

Driller: Kenneth Journey in 1941

	Thick.	Depth
Alluvium	feet	feet
Clay	21.0	21.0
Sand	65.0	86.0
Gravel	15.0	101.0
Gumbo	15.0	116.0
Gravel	23.0	139.0
Cockfield formation		
Sand, hard	37.0	176.0
Sand, soft	30.0	206.0
Gumbo	1.0	207.0
Unreported	19.0	226.0
Sand, hard	17.0	243.0
Unreported	4.2	247.2
Wautubbee clay		
Gumbo	4.0	251.2
Rock, soft	0.3	251.5
Sand	11.0	262.5
Gumbo	27.8	290.3
Kosciusko sand		
Sand	105.3	395.6
Gumbo	6.0	401.6
Sand	8.0	409.6
Gumbo	20.1	429.7
Kosciusko sand		
Sand, hard	41.7	471.4
Gumbo	2.0	473.4
Sand, soft	33.4	506.8
Gumbo	4.0	510.8
Unreported	17.4	528.2
Gumbo, hard	21.3	549.5
Sand	5.0	554.5
Gumbo, bad	16.0	570.5
Sand	5.0	575.5
Zilpha clay		
Gumbo	37.0	612.5
Gumbo, hard	44.1	656.6
Winona sand		
Rock, soft	11.0	667.6
Sand	2.0	669.6
Rock	7.3	676.9
Sand	2.0	678.9
Rock	0.9	679.8
Sand	3.0	682.8
Rock	0.2	683.0
Sand	0.3	683.3
Rock, hard	0.3	683.6
Unreported	13.8	697.4

TABLE 30—(Continued)

	Thick.	Depth
Winona sand	feet	feet
Sand	14.0	711.4
Gumbo, hard	4.0	715.4
Sand	3.3	718.7
Rock, soft	0.2	718.9
Sand	1.0	719.9
Rock, soft	0.5	720.4
Sand	15.0	735.4
Rock, hard	0.8	736.2
Sand, soft	13.3	749.5
Gumbo, brittle	5.0	754.5
Sand	1.0	755.5
Rock, soft	0.2	755.7
Winona sand		
Sand	14.5	770.2
Basic City shale		
Rock, hard	3.0	773.2
Unreported	8.0	781.2
Gumbo	1.0	782.2
Unreported	19.7	801.9
Sand	11.0	812.9
Unreported	9.3	822.2
Sand, hard	28.2	850.4
Sand and gravel	11.0	861.4
Gumbo	0.4	861.8
Unreported	2.5	864.3

LEFLORE COUNTY WELL 206, CENTER, SW.1/4, SEC.4, T.17 N., R.1 W.

Louis Poindexter
Altitude: 118.3 ft.

Driller: C. M. Journey in 1937

	Thick.	Depth
Alluvium	feet	feet
Clay	22.8	22.8
Sand	10.0	32.8
Muck, blue	10.4	43.2
Sand	21.4	64.6
Gravel	20.4	85.0
Gravel, fine	18.0	103.0
Rock	.6	103.6
Gravel, fine	19.3	122.9
Cockfield formation		
Sand	6.0	128.9
Clay	4.0	132.9
Sand	23.8	156.7
Clay	5.0	161.7
Sand	28.6	190.3
Wautubbee clay		
Clay	58.8	249.1
Sand	4.0	253.1
Clay	80.3	333.4
Kosciusko sand		
Sand and clay	21.8	355.2
Sand	145.1	500.3
Sand and clay	20.4	520.7
Sand	10.0	530.7
Clay	15.6	546.3
Sand	5.0	551.3
Zilpha clay		
Clay	91.1	642.4
Rock	1.3	643.7
Clay	3.0	646.7
Rock	0.5	647.2
Sand, hard	7.0	654.2
Rock	1.7	655.9
Sand, hard and shale	8.0	663.9
Sand	5.0	668.9
Rock, soft	.3	669.2
Sand	3.0	672.2
Rock, medium	.7	672.9
Sand	5.0	677.9
Rock, soft	1.2	679.1
Sand, loose	8.0	687.1
Sand, coarse	13.0	700.1
Clay	4.0	704.1
Sand, loose	4.5	708.6
Sand, medium	7.0	715.6
Rock, hard	1.3	716.9
Sand, medium	13.0	729.9
Sand, hard	7.0	736.9
Rock, hard	1.0	737.9
Sand, medium	13.2	751.1
Rock	1.7	752.8
Sand, hard	12.0	764.8

TABLE 30—(Continued)

Zilpha clay	Thick. feet	Depth feet
Clay	4.0	768.8
Sand, hard	3.0	771.8
Sand, medium	4.0	775.8
Rock	1.7	777.5
Sand	6.0	783.5
Rock, medium	.7	784.2
Clay	4.0	788.2
Sand, hard	3.1	791.3
Clay	2.0	793.3
Sand	6.0	799.3
Rock, soft	.2	799.5
Sand, medium	5.0	804.5
Sand, hard	18.0	822.5
Clay	6.0	828.5
Sand, hard	5.0	833.5
Clay	4.0	837.5
Sand	12.6	850.1

LEFLORE COUNTY WELL 207, NE.1/4, NW.1/4, SEC.10, T.17 N., R.2 W.

Wes Verner
Altitude: 117.7 ft.

Driller: T. B. Minyard in 1919

Alluvium	Thick. feet	Depth feet
Clay	16.0	16.0
Sand	26.0	42.0
Muck, blue, and sand	23.3	65.3
Gravel	63.4	128.7
Cockfield formation		
Clay	21.0	149.7
Sand	15.7	165.4
Sand and clay	16.6	182.0
Sand	30.1	212.1
Clay	12.3	224.4
Sand	42.3	266.7
Wautubbee clay		
Clay	43.5	310.2
Kosciusko sand		
Rock	1.2	311.4
Clay and sand	36.7	348.1
Clay	31.2	379.3
Sand	9.8	389.1
Clay	52.5	441.6
Rock	6.0	447.6
Clay	29.6	477.2
Sand	21.2	498.4
Clay	8.0	506.4
Sand	13.6	520.0
Clay	16.1	536.1
Sand	56.8	592.9
Kosciusko sand		
Clay	4.9	597.8
Sand	60.2	658.0
Zilpha clay		
Soapstone	62.9	720.9
Soapstone, gummy	44.7	765.6
Winona sand		
Rock	1.8	767.4
Sand and rock	15.5	782.9
Sand	10.0	792.9
Shale	2.0	794.9
Sand	4.0	798.9
Rock, soft	3.3	802.2
Sand	12.0	814.2
Soapstone	19.0	833.2
Rock	0.4	833.6
Soapstone	2.0	835.6
Rock	0.3	835.9
Soapstone	4.0	839.9
Sand, loose	44.3	884.2
Soapstone	3.0	887.2
Basic City shale		
Rock, hard	0.3	887.5
Shale	2.0	889.5
Sand	3.0	892.5
Sand, loose	11.1	903.6
Soapstone	3.0	906.6
Sand, medium	16.8	923.4

TABLE 30—(Continued)

LEFLORE COUNTY WELL 208, SW.1/4, SW.1/4, SEC.9, T.17 N., R.1 W.

M. W. Steel
Altitude: 115 ft.

Driller: T. B. Minyard

	Thick.	Depth
Alluvium	feet	feet
Gumbo	21.0	21.0
Sand	42.5	63.5
Gravel	16.8	80.3
Sand	20.4	100.7
Gravel, hard	39.7	140.4
Sand, hard	30.7	171.1
Gravel	20.5	191.6
Kosciusko sand		
Sand	249.7	441.3
Clay	26.3	467.6
Sand	22.0	489.6
Clay	11.3	500.9
Sand	47.4	548.3
Zilpha clay		
Rock, gummy	41.3	589.6
Clay, hard crumbly	61.1	650.7
Gumbo	22.1	672.8
Winona sand		
Clay	0.5	673.3
Sand	10.5	683.8
Rock	3.3	687.1
Sand	6.7	693.8
Clay	5.0	698.8
Sand	2.0	700.8
Rock	0.6	701.4
Winona sand		
Sand	25.8	727.2
Clay	12.0	739.2
Sand	8.3	747.5
Rock	0.8	748.3
Sand	18.5	766.8
Rock	0.8	767.6
Sand	17.0	784.6
Rock	1.3	785.9
Sand	4.2	790.1
Clay	6.0	796.1
Sand	2.0	798.1
Clay	6.0	804.1
Basic City shale		
Rock	0.5	804.6
Sand	5.5	810.1
Rock	0.5	810.6
Clay	3.0	813.6
Rock	0.3	813.9
Clay	2.0	815.9
Rock	0.6	816.5
Clay	5.0	821.5
Sand	6.8	828.3
Clay, hard gummy	26.3	854.6
Sand	3.0	857.6
Clay	6.0	863.6
Sand, hard	47.5	911.1

LEFLORE COUNTY WELL 210, SE.1/4, NW.1/4, SEC.17, T.17 N., R.1 W.

Allen Kimbrough
Altitude: 116.2 ft.

Driller: C. M. Journey in 1937

	Thick.	Depth
Wautubbee(?) clay	feet	feet
Gumbo	20.0	20.0
Sand	46.3	66.3
Gravel	57.4	123.7
Gumbo	7.8	131.5
Kosciusko sand		
Sand	396.8	528.3
Zilpha clay		
Shale	15.0	543.3
Zilpha clay		
Gumbo	95.9	639.2
Gumbo and rock	20.4	659.6
Winona sand		
Shale and rock	21.8	681.4
Sand and 3 rocks	21.5	702.9
Sand	8.0	710.9
Gumbo	10.0	720.9

TABLE 30—(Continued)

	Thick.	Depth
Winona sand	feet	feet
Sand and shale;		
1 rock	20.4	741.3
Sand	75.0	816.3
Basic City shale		
Gumbo	33.2	849.5
Greensand	61.1	910.6
Sand	17.1	927.7
Gumbo	5.3	933.0

	Thick.	Depth
Basic City shale	feet	feet
Gravel, green	17.1	950.1
Sand	7.0	957.1
Gumbo	2.0	959.1
Sand	7.0	966.1
Rock	0.8	966.9
Gumbo	3.0	969.9
Shale	10.0	979.9
Sand	21.3	1001.2
Gumbo	42.4	1043.6

LEFLORE COUNTY WELL 213a, NW.1/4, NW.1/4, SEC.30, T.17 N., R.2 W.

W. M. Duncan — Driller: T. B. Minyard
Altitude: 115 ft.

	Thick.	Depth
Alluvium	feet	feet
Clay	23.3	23.3
Sand	47.9	71.2
Gravel	13.0	84.2
Unreported	2.6	86.8
Gravel	45.7	132.5
Jackson (?)		
Clay	10.4	142.9
Cockfield formation		
Sand	36.6	179.5
Clay	10.4	189.9
Sand	95.2	285.1
Clay	14.0	299.1
Sand	91.9	391.0
Clay	29.8	420.8
Sand	10.0	430.8
Clay	51.8	482.6
Sand	5.0	487.6
Shale	5.0	492.6
Sand	8.7	501.3
Sand and clay	41.8	543.1
Wautubbee clay		
Clay	57.8	600.9
Kosciusko sand		
Rock	.7	601.6
Shale	2.0	603.6
Unreported	1.7	605.3
Clay	21.1	626.4
Shale, hard	21.0	647.4

	Thick.	Depth
Kosciusko sand	feet	feet
Clay	35.2	682.6
Sand	5.8	688.4
Sand and clay	21.3	709.7
Sand	82.9	792.6
Zilpha clay		
Clay, hard gummy	110.5	903.1
Winona sand		
Rock, medium	.7	903.8
Clay	2.0	905.8
Rock, medium	3.9	909.7
Clay	2.0	911.7
Rock, hard	6.8	918.5
Sand	2.0	920.5
Rock	.7	921.2
Sand	31.1	952.3
Rock	1.3	953.6
Sand	7.3	960.9
Clay	15.0	975.9
Sand	1.9	977.8
Water, good	19.4	997.2
Sand	7.0	1004.2
Clay	4.0	1008.2
Sand	4.0	1012.2
Clay	4.8	1017.0
Sand	3.0	1020.0
Clay	3.0	1023.0
Rock, medium	1.0	1024.0
Clay	3.0	1027.0

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet
Rock, medium	5.0	1032.0
Sand, hard	5.0	1037.0
Sand, medium	3.4	1040.4
Clay	6.1	1046.5

LEFLORE COUNTY WELL 214, SE.1/4, SW.1/4, SEC.4, T.16 N., R.2 W.

A. H. Beckman
Altitude: 117 ft.

Driller: T. B. Minyard in 1929

Alluvium	Thick. feet	Depth feet'
Soil and clay, sandy	21.0	21.0
Muck or sand	21.5	42.5
Sand	17.0	59.5
Sand and fine gravel	19.0	78.5
Gravel	19.8	98.3
Gravel and sand	40.5	138.8
Cockfield formation		
Sand	289.9	428.7
Wautubbee clay		
Clay	8.0	436.7
Sand	52.0	488.7
Clay	14.0	502.7
Kosciusko sand		
Sand	50.8	553.5
Sand, hard	82.3	635.8
Sand	10.0	645.8
Clay	3.0	648.8
Sand	3.0	651.8
Clay	2.0	653.8
Sand	3.5	657.3
Streaks of sand and clay	15.0	672.3
Clay	11.0	683.3
Sand	2.0	685.3
Clay	5.0	690.3
Shale, sandy	9.0	699.3
Sand, hard	21.5	720.8
Sand, shale, streaks of clay	17.4	738.2
Not reported	21.5	759.7
Sand, hard	18.9	778.6
Sand	8.0	786.6
Zilpha clay		
Clay	10.6	797.2
Clay, hard gummy	20.5	817.7
Clay	10.0	827.7
Rock, medium	1.3	829.0
Clay, hard gummy	69.5	898.5
Clay	5.0	903.5
Winona sand		
Rock, hard	1.2	904.7
Shale	3.0	907.7
Rock	1.3	909.0
Shale	3.0	912.0
Rock	1.5	913.5
Shale	2.0	915.5
Rock	3.5	919.0
Shale	5.0	924.0
Rock	0.8	924.8
Sand	3.0	927.8
Clay	2.0	929.8
Sand	4.0	933.8
Clay	2.0	935.8
Sand	11.0	946.8
Rock	0.7	947.5
Sand	7.0	954.5
Clay	14.5	969.0
Sand	27.0	996.0
Clay	19.5	1015.5
Basic City shale		
Rock	0.5	1016.0
Sand	8.0	1024.0
Clay	2.0	1026.0
Sand	2.0	1028.0
Clay, hard	8.4	1036.4
Clay	19.2	1055.6
Clay, hard	22.2	1077.8
Clay	2.0	1079.8
Sand	11.0	1090.8
Clay	8.5	1099.3
Sand	14.0	1113.3
Clay	7.8	1121.1

TABLE 30—(Continued)

PANOLA COUNTY WELL 3a, SW.1/4, SW.1/4, SEC.10, T.7 S., R.7 W.

Como Prisoner of War Camp — Driller: Layne-Central
Altitude: 360 ft. — in 1942

Terrace deposits	Thick. feet	Depth feet'
Top soil	30.0	30.0
Sand	20.0	50.0
Sand and thin strata gravel	44.0	94.0
Gravel	46.0	140.0
Sand and thin strata gravel	10.0	150.0
Kosciusko sand		
Clay and thin strata sand and cavities	32.0	182.0
Sand	30.0	212.0
Shale and thin strata sand	53.0	265.0
Sand	13.0	278.0
Clay	1.0	279.0
Sand	19.0	298.0
Clay	1.0	299.0
Sand, water-bearing	20.0	319.0

PANOLA COUNTY WELL 6, NE.1/4, NE.1/4, SEC.34, T.7 S., R.7 W.

Town of Sardis — Driller: Fairbanks-Morse
Altitude: about 370 ft. Log from memory — in 1924

Terrace deposits	Thick. feet	Depth feet
Sand, red and minor gravel	90.0	90.0
Gravel	35.0	125.0
Kosciusko sand		
Sand, white	75.0	200.0
Clay, white	4.0	204.0
Sand, white	30.0	234.0
Basic City shale		
Rock	.5	234.5
Clay, blue and sand interbedded	95.5	330.0

PANOLA COUNTY WELL 8a, NE.1/4, SW.1/4, SEC.21, T.8 S., R.8 W.

Bob Carrier — Driller: T. B. Minyard
Altitude: 300 ft. — in 1937

Terrace deposits	Thick. feet	Depth feet
Clay	22.0	22.0
Clay and light gravel; sand streaks	21.8	43.8
Kosciusko sand		
Silt	21.8	65.6
Sand	4.0	69.6
Silt and sand	12.0	81.6
Sand	7.5	89.1
Clay	6.0	95.1
Sand	4.0	99.1
Clay	3.0	102.1
Sand	7.2	109.3
Clay	3.0	112.3
Sand	59.4	171.7

TABLE 30—(Continued)

PANOLA COUNTY WELL 13, NW.1/4, SE.1/4, SEC.5, T.9 S., R.6 W.

Lynn Sand & Gravel Co. Driller: C. M. Journey
Altitude: 250.5 ft. in 1929

	Thick. feet	Depth feet
Terrace deposits		
Soil and loess	12	12
Sand and gravel. The smaller grains are mostly clear quartz Pebbles are chert, quartzite, and claystone	12	24
Kosciusko sand		
Clay shale, dark gray and without fossils. The observed minerals are muscovite, lignite and minor pyrite	15	39
Sand and thin beds of clay shale. The sand is fine and angular; the clay shale is micaceous and contains a few grains of lignite	16	55
Clay shale, chocolate-colored	3	58
Sand and chocolate-colored clay shale	20	78
Sand, fine, angular and clear quartz; minor lignite and amber	37	115
Basic City shale		
Clay shale, micaceous and lignitic; some angular gray quartz sand	22	137
Meridian sand		
Sand, almost all grains are clear angular quartz. Some quartz grains are frosted and stained with limonite; a few are cemented with pyrite. Minor minerals identified are muscovite, lignite, amber, gypsum and tourmaline, approximately abundant in the order named	225	362
Wilcox		
Clay shale, chocolate colored and carbonaceous; non-fossiliferous	3	365

PANOLA COUNTY WELL 33, NE.1/4, NE.1/4, SEC.33, T.10 S., R.7 W.

Memphis Stone and Gravel Co. Driller: C. M. Journey
in 1936

	Thick. feet	Depth feet
Alluvium		
Sand	25	25
Kosciusko		
Gumbo	6	31
Rock	1	32
Sand	16	48
Gumbo	20	68
Muck	44	112
Zilpha clay		
Sandy shale	22	134
Winona sand		
Sand	56	190
Basic City shale		
Gumbo	53	243
Sandy Marl	21	264
Shale	47	311
Sand	60	371
Rock	1	372
Gumbo	8	380
Sandy shale	19	399
Meridian sand?		
Sand	31	430
Set on Rock	.....	430
400′ of 8″ casing		
30′ of 8″ screen		

TABLE 30—(Continued)

QUITMAN COUNTY WELL 14, SE.1/4, NE.1/4, SEC.34, T.28 N., R.1 W.

Dr. J. E. Furr
Altitude: 160.7 ft.

Driller: C. M. Journey in 1936

	Thick. feet	Depth feet
Alluvium		
Gumbo	18.0	18.0
Sand	48.0	66.0
Gravel	108.0	174.0
Kosciusko sand		
Sand	46.0	220.0
Gumbo	44.0	264.0
Sand	25.0	289.0
Gumbo	46.0	335.0
Sand	51.0	386.0
Winona sand		
Rock	0.9	386.9
Sand	5.0	391.9
Gumbo	8.0	399.9
Sand	18.0	417.9
Basic City shale		
Rock	1.1	419.0
Gumbo	16.0	435.0
Rock	0.4	435.4
Sand	14.0	449.4
Gumbo	6.0	455.4
Basic City shale		
Rock	0.9	456.3
Sand	25.0	481.3
Shale	22.0	503.3
Sand	10.0	513.3
Gumbo	14.0	527.3
Sand	66.0	593.3
Gumbo	7.0	600.3
Sand	29.0	629.3
Gumbo	8.0	637.3
Meridian sand		
Sand	56.0	693.3
Gumbo	4.0	697.3
Sand	44.0	741.3
Shale	24.0	765.3
Gumbo	12.0	777.3
Sand	13.0	790.3
Shale	18.0	808.3
Gumbo	3.8	812.1
Sand	69.0	881.1

QUITMAN COUNTY WELL 62, NW.1/4, NW.1/4, SEC.1, T.26 N., R.1 W.

State Prison
Altitude: 152 ft.

Driller: C. M. Journey in 1931

	Thick. feet	Depth feet
Alluvium		
Soil and clay	39	39
Sand	19	58
Gravel	68	126
Kosciusko sand		
Clay	68	194
Sand	138	332
Winona sand, Basic City shale and possible Zilpha clay at the base		
Clay	259	591
Sandy shale	23	614
Clay	94	708
Meridian sand		
Sand	109	817

130 g.p.m.
25′ elevation
60′ of bronze wire wrapped Lane screen (4″)
757′ of 4″ pipe

TABLE 30—(Continued)

SHARKEY COUNTY WELL 2, SW.1/4, NE.1/4, SEC.2, T.14 N., R.6 W.

J. S. Sigler
Altitude: 102.3 ft.

Driller: T. B. Minyard in 1924

	Thick. feet	Depth feet
Alluvium		
Clay	21.2	21.2
Clay, blue	22.1	43.3
Sand	27.3	70.6
Gravel	111.3	181.9
Yazoo clay		
Clay	14.9	196.8
Sand and clay	9.5	206.3
Cockfield (?) formation		
Sand	175.9	382.2
Clay	3.0	385.2
Sand	29.2	414.4
Clay	4.0	418.4
Rock, medium	.8	419.2
Clay	46.2	465.4
Sand, hard and shale	11.4	476.8
Clay	29.2	506.0
Rock, medium	1.0	507.0
Shale	11.8	518.8
Clay	16.0	534.8
Sand, hard	15.2	550.0
Clay	10.5	560.5
Sand, hard	46.8	607.3
Cockfield (?) formation		
Clay	10.0	617.3
Sand, medium	10.1	627.4
Clay	2.0	629.4
Sand, medium	5.0	634.4
Clay	4.0	638.4
Sand	5.2	643.6
Sand	51.0	694.6
Wautubbee clay		
Clay	42.0	736.6
Sand	4.0	740.6
Clay	61.6	802.2
Kosciusko sand		
Sand	75.8	878.0
Clay	1.0	879.0
Sand	5.0	884.0
Clay	6.9	890.9
Sand	13.0	903.9
Clay	27.7	931.6
Sand and clay	10.0	941.6
Sand, hard	18.2	959.8
Clay and sand, hard	5.6	965.4
Sand	38.0	1003.4
Clay	3.2	1006.6

SHARKEY COUNTY WELL 11, NW.1/4, SW.1/4, SEC.20, T.14 N., R.6 W.

D. D. Low Estate
Altitude: 109 ft.

Driller: T. B. Minyard in 1929

	Thick. feet	Depth feet
Alluvium		
Clay	40.6	40.6
Sand	35.0	75.6
Gravel	129.8	205.4
Jackson		
Clay	4.6	210.0
Sand	16.0	226.0
Clay	5.0	231.0
Sand	116.9	347.9
Clay	6.0	353.9
Sand	9.4	363.3
Rock	0.3	363.6
Sand	3.0	366.6
Jackson		
Rock	0.3	366.9
Sand	4.0	370.9
Rock	0.6	371.5
Sand	6.0	377.5
Rock	0.4	377.9
Sand	16.7	394.6
Clay	17.7	412.3
Rock, soft	0.6	412.9
Sand, hard and clay	32.4	445.3
Clay	19.9	465.2
Rock, soft	0.4	465.6
Sand and clay	19.7	485.3

TABLE 30—(Continued)

Jackson	Thick. feet	Depth feet
Sand, hard	10.0	495.3
Clay	20.6	515.9
Cockfield formation		
Sand, hard	140.7	656.6
Clay	2.0	658.6
Sand	32.7	691.3

SHARKEY COUNTY WELL 13, NE.1/4, NW.1/4, SEC.21, T.14 N., R.6 W.

D. D. Low Estate — Driller: T. B. Minyard
Altitude: 108 ft.

Alluvium	Thick. feet	Depth feet
(No description)	118.9	118.9
Gravel	83.9	202.8
Cockfield formation		
Sand	52.2	255.0
Clay	19.5	274.5
Sand	16.0	290.5
Clay	40.4	330.9
Sand	10.5	341.4
Clay	10.0	351.4
Rock, soft	0.3	351.7
Shale	4.2	355.9
Clay	7.0	362.9
Rock, hard	0.8	363.7
Sand, hard	10.0	373.7
Shale, rock	2.9	376.6
Clay	15.0	391.6
Rock, soft	0.4	392.0
Rock, medium	0.6	392.6
Shale	4.0	396.6
Rock, soft	0.3	396.9
Shale	16.0	412.9
Sand, hard and clay	48.7	461.6
Sand, hard	5.0	466.6
Shale, hard	15.8	482.4
Clay, hard gummy	41.2	523.6
Clay and shale	20.7	544.3
Shale	3.0	547.3
Sand, hard	54.1	601.4
Clay	3.0	604.4
Sand	39.4	643.8
Rock, hard	4.7	648.5
Shale	4.0	652.5
Sand, hard	4.0	656.5
Rock, soft	0.3	656.8
Sand	55.0	711.8

SHARKEY COUNTY WELL 19, SE.1/4, SE.1/4, SEC.30, T.14 N., R.6 W.

Mrs. E. P. Crump — Driller: T. B. Minyard in 1923
Altitude: 112 ft.

Alluvium	Thick. feet	Depth feet
Clay	38.0	38.0
Sand	27.6	65.6
Gravel	97.6	163.2
Cockfield formation		
Sand	10.4	173.6
Unreported	33.8	207.4
Sand and clay	42.9	250.3
Sand	21.8	272.1
Sand and clay	21.5	293.6
Sand	42.7	336.3
Clay	84.6	420.9
Sand	5.0	425.9
Rock, medium	1.3	427.2
Sand	10.0	437.2
Rock	.6	437.8
Sand	25.3	463.1
Clay	21.2	484.3
Clay and sand	20.9	505.2
Sand	23.4	528.6
Rock	.8	529.4
Clay	8.0	537.4
Rock	.6	538.0

TABLE 30—(Continued)

Cockfield formation	Thick. feet	Depth feet	Cockfield formation	Thick feet	Depth feet
Sand and clay	69.5	607.5	Shale	2.0	619.8
Clay	2.0	609.5	Sand	22.1	641.9
Sand	3.0	612.5	Rock	.3	642.2
Rock	.3	612.8	Sand	16.1	658.3
Sand	3.0	615.8	Sand, loose	52.5	710.8
Clay	2.0	617.8			

SHARKEY COUNTY WELL 22, NW.1/4, NW.1/4, SEC.6, T.13 N., R.5 W.

A. S. Brown
Altitude: 100.1 ft.
Driller: T. B. Minyard in 1923

Alluvium	Thick. feet	Depth feet	Cockfield formation	Thick. feet	Depth feet
Clay	22.7	22.7	Sand	68.9	480.6
Muck, blue	21.3	44.0	Clay	4.0	484.6
Sand	30.7	74.7	Sand	5.0	489.6
Gravel	97.6	172.3	Rock, soft	0.3	489.9
Cockfield formation			Shale	2.0	491.9
Clay	5.0	177.3	Sand	7.1	499.0
Sand	79.3	256.6	Clay	6.0	505.0
Clay, gummy	31.7	288.3	Rock	0.3	505.3
Clay, brittle and sand	19.3	307.6	Clay	48.0	553.3
Sand	77.8	385.4	Sand, hard	80.3	633.6
Clay	5.9	391.3	Clay	3.0	636.6
Sand	10.0	401.3	Sand	7.0	643.6
Clay	10.4	411.7	Wautubbee clay		
			Clay	37.0	680.6

SHARKEY COUNTY WELL 23, NE.1/4, NE.1/4, SEC.6, T.13 N., R.6 W.

A. P. Cameron
Altitude: 102.7 ft.
Driller: T. B. Minyard in 1924

Alluvium	Thick feet	Depth feet	Cockfield formation	Thick. feet	Depth feet
Soil	22.4	22.4	Sand	6.0	423.0
Clay	21.4	43.8	Clay	51.3	474.3
Sand	21.9	65.7	Rock	0.3	474.6
Gravel	107.6	173.3	Clay	4.0	478.6
Cockfield formation			Sand	27.8	506.4
Sand	21.9	195.2	Rock	0.2	506.6
Gravel sand	43.0	238.2	Sand	17.0	523.6
Sand, fine	117.1	355.3	Clay	5.0	528.6
Clay	6.0	361.3	Sand	4.0	532.6
Sand	26.0	387.3	Clay	11.6	544.2
Clay	25.3	412.6	Rock, soft	4.0	548.2
Rock, soft	4.4	417.0	Sand, medium	17.5	565.7

TABLE 30—(Continued)

	Thick.	Depth
Cockfield formation	feet	feet
Clay	30.6	596.3
Sand	25.6	621.9
Clay	4.6	626.5
Sand	6.0	632.5
Clay	7.0	639.5
Sand	9.3	648.8
Clay	6.0	654.8
Sand	35.8	690.6
Clay	12.8	703.4
Bottom	4.9	708.3
Sand	49.5	757.8
Clay	23.5	781.3
Sand, fine	55.9	837.2
Sand, very coarse	36.5	873.7
Wautubbee clay		
Clay	33.0	906.7
Sand	16.6	923.3
Clay	21.5	944.8
Rock, soft	3.0	947.8
Wautubbee clay		
Sand	5.0	952.8
Clay	8.0	960.8
Rock, soft	4.0	964.8
Sand	11.0	975.8
Clay	12.7	988.5
Sand	8.0	996.5
Clay	43.9	1040.4
Kosciusko sand		
Sand	30.1	1070.5
Clay	28.1	1098.6
Sand	5.0	1103.6
Clay	4.0	1107.6
Sand	6.0	1113.6
Clay	3.0	1116.6
Sand	2.0	1118.6
Clay	2.0	1120.6
Rock	0.1	1120.7
Sand	79.9	1200.6
Clay	5.9	1206.5

SHARKEY COUNTY WELL 25, SE.1/4, NE.1/4, SEC.17, T.13 N., R.6 W.

Mrs. G. C. Fields
Altitude: 107 ft.

Driller: C. M. Journey in 1937

	Thick.	Depth
Alluvium	feet	feet
Gumbo	39	39
Sand	10	49
Gravel	169	218
Cockfield formation		
Sand	59	277
Rock	2	279
Sand	192	471
Shale	5	476
Sand	78	554
Gumbo	9	563
Shale, sandy	22	585
Sand	7	592
Sand and rock	15	607
Sand	5	612
Sand and rock	47	659
Shale	27	686
Gumbo	7	693
Rock and gumbo	22	715
Sand	15	730
Wautubbee clay		
Shale	6	736
Gumbo	43	779
Shale, sandy	43	822
Kosciusko sand		
Gumbo, hard	117	939
Rock, hard	10	949
Gumbo	15	964
Sand	6	970
Shale	15	985
Gumbo	5	990
Shale	2	992
Sand	6	998
Gumbo	3	1001
Sand	6	1007
Gumbo	21	1028
Shale	12	1040
Sand	9	1049
Shale, sandy	36	1085
Sand	10	1095

TABLE 30—(Continued)

Kosciusko sand	Thick. feet	Depth feet
Gumbo	2	1097
Sand	29	1126
Gumbo	19	1145
Sand	22	1167
Sand with shale	10	1177
Water sand	20	1197

SHARKEY COUNTY WELL 29, NW.1/4, SW.1/4, SEC.29, T.13 N., R.6 W.

J. B. Dunaway
Altitude: 106.6 ft.

Driller: C. M. Journey in 1937

Alluvium	Thick. feet	Depth feet
Gumbo	44	44
Sand	22	66
Gravel	65	131
Sand	12	143
Jackson		
Gumbo	97	240
Shale	21	261
Cockfield formation		
Sand	65	326
Shale	24	350
Rock	1	351
Shale	40	391
Gumbo	12	403
Sand	48	451
Shale	44	495
Gumbo	40	535
Shale	20	555
Sand	38	593
Shale	20	613
Gumbo	49	662
Rock	2	664
Sand	18	682
Cockfield formation		
Rock	1	683
Sand	27	710
Wautubbee clay		
Rock	1	711
Sand	49	760
Rock	1	761
Sand	45	806
Gumbo	8	814
Sand	11	825
Gumbo	38	863
Kosciusko sand		
Sand	95	958
Gumbo	11	969
Sand	12	981
Gumbo	8	989
Sand	8	997

652′ of 3″ Casing
302′ of 2″ "
43′ of 2″ Screen
Flows 45 g.p.m.
Head 23′

SHARKEY COUNTY WELL 31, SE.1/4, NW.1/4, SEC.26, T.13 N., R.7 W.

Miss Olive Alexander
Altitude: 102 ft.

Driller: C. M. Journey in 1937

Alluvium	Thick. feet	Depth feet
Clay	22	22
Gumbo	10	32
Sand	55	87
Gravel	84	171
Jackson		
Gumbo	60	231
Cockfield formation		
Sand	57	288
Gumbo	33	321

TABLE 30—(Continued)

	Thick.	Depth
Cockfield formation	feet	feet
Rock	1	322
Sand	22	344
Gumbo	4	348
Sand	10	358
Gumbo	25	383
Rock	1	384
Gumbo	21	405
Sand	7	412
Gumbo	16	428
Rock	1	429
Gumbo	4	433
Sand	62	495
Gumbo and rock	25	520
Sand and rock	31	552
Shale and rock	20	572
Gumbo	29	601
Sand	12	613
Gumbo	33	646
Wautubbee clay		
Sand	16	662
Gumbo	6	668
Shale	18	686
Wautubbee clay		
Sand	2	688
Rock	2	690
Sand and shale	49	739
Gumbo	8	747
Sand	29	776
Rock	1	777
Sand	19	796
Gumbo	7	803
Sand and shale	13	816
Sand	7	823
Gumbo	17	840
Sand	3	843
Gumbo	14	857
Kosciusko sand		
Sand	92	949
Sand and shale	21	970

506′ of 3″ Casing
434′ of 2″ Casing
40′ of 2″ Screen
10′ Lap of 2″ pipe into 3″

SHARKEY COUNTY WELL 33, NE.1/4, SW.1/4, SEC.36, T.13 N., R.7 W.

County Farm
Altitude: 103.3 ft.

Driller: T. B. Minyard
in 1926

	Thick.	Depth
Alluvium	feet	feet
Soil	19.5	19.5
Clay	18.0	37.5
Sand	66.4	103.9
Sand and gravel	16.0	119.9
Gravel	9.4	129.3
Jackson		
Sand	10.0	139.3
Clay, gummy	63.9	203.2
Shale	4.1	207.3
Clay, gummy	60.5	267.8
Rock, medium	0.4	268.2
Clay	49.0	317.2
Cockfield formation		
Rock, medium	0.6	317.8
Sand and clay	18.8	336.6
Clay	26.7	363.3
Sand and clay	16.0	379.3
Sand	16.0	395.3
Clay	19.6	414.9
Sand	14.4	429.3
Clay	4.0	433.3
Sand	24.4	457.7
Clay	7.5	465.2
Sand	34.5	499.7
Clay	47.0	546.7
Rock, soft	0.3	547.0
Sand	4.0	551.0
Rock, soft	0.2	551.2
Sand	7.0	558.2

TABLE 30—(Continued)

Cockfield formation	Thick. feet	Depth feet
Rock, soft	0.2	558.4
Sand	6.0	564.4
Clay	7.9	572.3
Sand	14.0	586.3
Clay	3.4	589.7
Sand	21.4	611.1
Clay, gummy	39.7	650.8
Sand	42.2	693.0
Clay, gummy	24.5	717.5
Sand, fine	5.0	722.5
Clay	3.0	725.5
Sand, fine	16.5	742.0
Clay	14.0	756.0
Sand	7.1	763.1
Clay, gummy	17.2	780.3
Sand	29.0	809.3
Clay	3.0	811.3
Sand	9.1	820.4
Clay	18.2	838.6

SHARKEY COUNTY WELL 34, NW.1/4, NE.1/4, SEC.31, T.13 N., R.6 W.

George C. Cartwright — Driller: C. M. Journey
Altitude: 103 ft. — in 1936

	Thick.	Depth
Alluvium	feet	feet
Gumbo	41.0	41.0
Sand	25.0	66.0
Gravel	87.0	153.0
Jackson		
Sand	3.0	156.0
Gumbo	35.0	191.0
Sand	9.0	200.0
Gumbo	8.0	208.0
Sand	12.0	220.0
Gumbo	14.0	234.0
Sand	4.0	238.0
Gumbo	109.0	347.0
Cockfield formation		
Sand	13.0	360.0
Gumbo	9.0	369.0
Shale	36.0	405.0
Rock	1.4	406.4
Shale	22.6	429.0
Sand and shale	27.0	456.0
Gumbo	3.0	459.0
Sand	18.0	477.0
Gumbo	32.0	509.0
Rock	1.4	510.4
Gumbo	34.6	545.0
Sand	87.0	632.0
Wautubbee clay		
Gumbo	37.0	669.0
Rock	1.6	670.6
Gumbo	1.4	672.0
Shale	39.0	711.0
Rock	0.3	711.3
Sand	3.7	715.0
Shale	7.0	722.0
Rock	1.9	723.9
Shale, sandy	55.1	779.0
Gumbo	2.0	781.0
Kosciusko sand		
Sand	23.0	804.0
Gumbo	8.0	812.0
Sand	14.0	826.0
Gumbo	9.0	835.0
Sand	9.0	844.0
Gumbo	26.0	870.0
Sand	9.0	879.0
Gumbo	12.0	891.0
Sand	9.0	900.0
Gumbo	12.0	912.0
Sand	10.0	922.0
Gumbo	18.0	940.0
Sand	31.0	971.0
Gumbo	3.0	974.0
Sand	18.0	992.0
Gumbo	4.0	996.0

TABLE 30—(Continued)

SHARKEY COUNTY WELL 40, SE.1/4, SE.1/4, SEC.23, T.12 N., R.7 W.

Paine, Garrett and Baggett — Driller: C. M. Journey in 1938
Altitude: 102 ft.

	Thick. feet	Depth feet
Alluvium		
Sand and gravel	88	88
Sand	22	110
Gravel	81	191
Cockfield formation		
Sand	64	255
Gumbo	5	260
Sand	77	337
Gumbo	33	370
Sand	66	436
Gumbo	44	480
Sand	44	524
Wautubbee clay		
Gumbo and rock	110	634
Sand	43	677
Shale	43	720
Kosciusko sand		
Sand	21	741
Gumbo	22	763
Sand	85	848

611′ 3″ of pipe
257′ of pipe and screen
60′ of WOP Screen
Well runs 75 g.p.m.
24′ elevation

SHARKEY COUNTY WELL 41, NW.1/4, NE.1/4, SEC.27, T.12 N., R.7 W.

Egremont Gin Co. — Driller: C. M. Journey in 1937
Altitude: 105 ft.

	Thick. feet	Depth feet
Alluvium		
Gumbo	40	40
Sand	72	112
Gravel	17	129
Gumbo	22	151
Gravel	65	216
Jackson		
Sand	4	220
Gumbo	15	235
Rock	1	236
Gumbo	24	260
Rock	1	261
Shale	87	348
Cockfield formation		
Sand	20	368
Rock	1	369
Shale	130	499
Cockfield formation		
Gumbo	25	524
Rock	1	525
Gumbo	43	568
Sand	55	623
Wautubbee clay		
Gumbo	36	659
Rock	3	662
Gumbo	19	681
Sand	14	695
Rock	1	696
Gumbo	28	724
Rock	1	725
Gumbo	91	816
Kosciusko sand		
Sand	61	877

SHARKEY COUNTY WELL 43, SE.1/4, SW.1/4, SEC.9, T.11 N., R.7 W.

Town of Cary — Driller: T. B. Minyard in 1910
Altitude: 100 ft.

	Thick. feet	Depth feet
Alluvium		
Clay	21.2	21.2
Clay, blue	22.1	43.3
Alluvium		
Sand	27.3	70.6
Gravel	111.3	181.9

TABLE 30—(Continued)

	Thick.	Depth
Jackson	feet	feet
Clay	14.9	196.8
Cockfield formation		
Sand and clay	9.5	206.3
Sand	175.9	382.2
Clay	3.0	385.2
Sand	29.2	414.4
Clay	4.0	418.4
Wautubbee clay		
Rock, medium	0.8	419.2
Clay	46.2	465.4
Sand, hard and shale	11.4	476.8
Clay	29.2	506.0
Rock, medium	1.0	507.0
Shale	11.8	518.8
Clay	16.0	534.8
Sand, hard	15.2	550.0
Clay	10.5	560.5
Kosciusko sand		
Sand, hard	46.8	607.3
Clay	10.0	617.3
Kosciusko sand		
Sand, medium	10.1	627.4
Clay	2.0	629.4
Sand, medium	5.0	634.4
Clay	4.0	638.4
Sand	5.2	643.6
Sand, water-bearing	51.0	694.6
Clay	42.0	736.6
Sand	4.0	740.6
Clay	61.6	802.2
Sand	75.8	878.0
Clay	1.0	879.0
Sand	5.0	884.0
Clay	6.9	890.9
Sand	13.0	903.9
Clay	27.7	931.6
Sand and clay	10.0	941.6
Sand, hard	18.2	959.8
Clay and sand, hard	5.6	965.4
Sand	38.0	1003.4
Clay	3.2	1006.6

SHARKEY COUNTY WELL 45, NE.1/4, NE.1/4, SEC.29, T.11 N., R.7 W.

J. H. Moore — Driller: Layne-Bowler

	Thick.	Depth
Alluvium	feet	feet
Topsoil and clay	10	10
Blue clay	31	41
Loose gray sand	92	133
Gravel and sand	65	198
Jackson		
Sand and shale	12	210
Gumbo	13	223
Sand	19	242
Sandy clay	96	338
Cockfield formation		
Muddy packed sand	120	458
Hard clay	34	492
Muddy sand	58	550
Gumbo	16	566
Muddy sand	6	572
Wautubbee clay		
Gumbo	15	587
Wautubbee clay		
Clay	36	623
Rock	2	625
Clay	22	647
Rock	1	648
Gumbo	24	672
Shale	18	690
Rock	1	691
Hard clay	4	695
Clay	23	718
Shale	42	760
Kosciusko sand		
Gumbo	37	797
Clay	10	807
Chocolate gumbo	45	852
Sandrock	1	853
Shale and sand	45	898
Muddy fine sand	45	943

TABLE 30—(Continued)

	Thick.	Depth
Kosciusko sand	feet	feet
Muddy coarse sand	24	967
Clay	41	1008
Muddy sand	10	1018
Clay	16	1034
Gumbo	17	1051
Shale	68	1119
Muddy sand (Lisbon); water bearing; strainer	20	1139
Kosciusko sand		
Gumbo	51	1190
Gumbo and streaks of sand	21	1211
Hard packed sand (Lisbon); water bearing; strainer	49	1260
Gumbo	19	1279

[1]U.S.G.S. Water-Supply Paper 576, p. 420, 1928

SUNFLOWER COUNTY WELL 1, SW.1/4, NE.1/4, SEC.1, T.24 N., R.4 W.

J. E. Oliver
Altitude: 149.5 ft.

Driller: C. M. Journey in 1938

	Thick.	Depth
Alluvium	feet	feet
Gumbo	21	21
Sand	66	87
Gravel	49	136
Sand	16	152
Gravel	37	189
Cockfield formation		
Sand	113	302
Gumbo	4	306
Sand	97	403
Wautubbee clay		
Gumbo	100	503
Kosciusko sand		
Sand	155	658
Zilpha clay		
Gumbo	62	720
Winona sand		
Shale and rock	16	736
Gumbo	14	750
Rock	1	751
Gumbo	1	752
Rock	1	753
Sand	17	770
Gumbo	7	777
Rock	1	778
Gumbo and rock	34	812
Shale and rock	21	833
Green sand	19	852
Rock	1	853
Sand	10	863
Winona sand		
Rock	1	864
Sand	11	875
Gumbo	1	876
Basic City shale		
Rock	1	877
Gumbo	18	895
Rock	1	896
Gumbo	33	929
Rock	1	930
Gumbo	5	935
Rock	1	936
Gumbo	3	939
Shale	22	961
Gumbo	38	999
Sand	55	1054
Gumbo	77	1131
Shale	16	1147
Sand	5	1152
Sand and shale	21	1173
Meridian sand		
Sand	26	1199
Gumbo	11	1210
Sand	5	1215
Gumbo	6	1221
Sand	15	1236
Gumbo	4	1240
Sand	121	1361
Gumbo	2	1363

TABLE 30—(Continued)

SUNFLOWER COUNTY WELL 2, SE.1/4, NW.1/4, SEC.2, T.24 N., R.4 W.

J. C. McCoy
Altitude: 145 ft.

Driller: T. B. Minyard
in 1924

	Thick. feet	Depth feet
Alluvium		
Clay	22.0	22.0
Sand	84.6	106.6
Gravel	30.7	137.3
Jackson (?)		
Clay	26.9	164.2
Rock	0.3	164.5
Clay	46.1	210.6
Cockfield formation		
Sand	84.6	295.2
Clay	17.0	312.2
Sand	20.1	332.3
Clay	9.1	341.4
Sand	5.0	346.4
Clay	11.3	357.7
Sand	62.7	420.4
Wautubbee clay		
Clay	21.0	441.4
Shale	21.9	463.3
Clay	40.8	504.1
Kosciusko sand		
Sand	62.8	566.9
Shale	19.4	586.3
Sand and shale	21.0	607.3
Sand	80.3	687.6
Zilpha clay		
Clay	57.4	745.0
Winona sand		
Rock	0.3	745.3
(No description)	16.2	761.5
Sand	10.0	771.5
Rock	0.5	772.0
Clay	5.0	777.0
Rock	0.3	777.3
Clay	2.0	779.3
Rock	0.3	779.6
Clay	3.3	782.9
Sand	17.0	799.9
Clay	17.3	817.2
Rock	0.3	817.5
Clay	7.4	824.9
Winona sand		
Rock	0.1	825.0
Sand	10.0	835.0
Rock	0.3	835.3
Clay	2.0	837.3
Rock	0.5	837.8
Sand	5.0	842.8
Shale	1.8	844.6
Sand	14.0	858.6
Shale	4.0	862.6
Rock	1.0	863.6
Clay	5.3	868.9
Sand	26.4	895.3
Rock	1.2	896.5
Sand	10.1	906.6
Rock	0.9	907.5
Shale	10.0	917.5
Rock	0.3	917.8
Sand	14.5	932.3
Rock	0.3	932.6
Sand	10.0	942.6
Basic City shale		
Clay	8.0	950.6
Sand	6.0	956.6
Shale	4.0	960.6
Clay	37.1	997.7
Sand	53.9	1051.6
Clay	10.0	1061.6
Sand	17.0	1078.6
Clay	51.7	1130.3
Sand	8.0	1138.3
Clay	33.5	1171.8
Sand	30.5	1202.3
Clay	17.4	1219.7
Shale	2.0	1221.7
Sand	7.6	1229.3
Clay	56.1	1285.4
Sand	4.2	1289.6
Clay	21.6	1311.2
Sand	20.1	1331.3

TABLE 30—(Continued)

SUNFLOWER COUNTY WELL 3, SE.1/4, NE.1/4, SEC.3, T.24 N., R.4 W.

J. D. McCoy
Altitude: 146 ft.

Driller: C. M. Journey in 1938

	Thick. feet	Depth feet
Alluvium		
Sand	10	10
Gumbo	33	43
Sand	65	108
Gravel	21	129
Cockfield formation		
Sand	79	208
Gumbo	35	243
Sand	21	264
Gumbo	22	286
Sand	152	438
Wautubbee clay		
Gumbo	174	612
Kosciusko sand		
Sand	64	676
Zilpha clay		
Gumbo	106	782
Winona sand		
Rock 8" Gumbo	70	852
Sand rock and shale	106	958
Gumbo	21	979
Basic City shale		
Shale	43	1022
Gumbo	22	1044
Shale	20	1064
Sand	64	1128
Hard Gumbo	86	1214
Sand	21	1235
Gumbo	22	1257
Meridian sand		
Fine sand	218	1475
Gumbo	16	1491

SUNFLOWER COUNTY WELL 5, NE.1/4, SW.1/4, SEC.11, T.24 N., R.3 W.

A. J. Hill
Altitude: 146 ft.

Driller: T. B. Minyard

	Thick. feet	Depth feet
Alluvium		
Soil and clay	20.2	20.2
Muck and sand	20.2	40.4
Sand, loose	20.6	61.0
Sand	30.6	91.6
Gravel, fine	11.6	103.2
Gravel	20.6	123.8
Gravel, fine	20.7	144.5
Cockfield formation		
Sand, hard	42.6	187.1
Sand	65.4	252.5
Clay	5.0	257.5
Sand	12.0	269.5
Sand and thin streaks of clay	20.7	290.2
Sand	15.0	305.2
Clay	2.0	307.2
Sand	8.6	315.8
Wautubbee clay		
Clay	16.6	332.4
Wautubbee clay		
Clay, gummy	39.7	372.1
Clay	39.4	411.5
Rock, hard	1.2	412.7
Clay	16.6	429.3
Rock	.5	429.8
Clay	41.4	471.2
Clay, gummy	20.5	491.7
Clay	18.0	509.7
Kosciusko sand		
Sand	2.6	512.3
Sand, hard	21.5	533.8
Sand	8.0	541.8
Clay	26.5	568.3
Sand	7.1	575.4
Sand, hard	20.4	595.8
Zilpha clay		
Clay	20.3	616.1
Sand	10.0	626.1
Clay	14.4	640.5

TABLE 30—(Continued)

Winona sand	Thick. feet	Depth feet	Winona sand	Thick. feet	Depth feet
Rock	.7	641.2	Sand	2.0	753.4
Sand	3.0	644.2	Clay	4.0	757.4
Rock	.5	644.7	Sand	10.7	768.1
Sand	2.0	646.7	Rock	.3	768.4
Rock	.4	647.1	Sand	1.0	769.4
Sand	3.0	650.1	Rock	.5	769.9
Rock	.7	650.8	Sand	3.0	772.9
Sand	2.0	652.8	Rock	.5	773.4
Rock	.3	653.1	Sand	3.4	776.8
Sand	4.4	657.5	Rock, hard	.8	777.6
Rock	.2	657.7	Sand	49.5	827.1
Sand	3.0	660.7	Basic City shale		
Rock	2.0	662.7	Clay	17.7	844.8
Clay	18.5	681.2	Sand	11.8	856.6
Rock	.8	682.0	Clay	12.0	868.6
Clay	23.7	705.7	Sand	6.2	874.8
Sand, hard	5.0	710.7	Clay	7.0	881.8
Rock	.3	711.0	Shale, sandy	10.5	892.3
Sand	.2	711.2	Meridian sand		
Rock	.4	711.6	Sand, good, brown	21.7	914.0
Sand	22.6	734.2	Clay	11.0	925.0
Rock	2.0	736.2	Sand, brown	22.2	947.2
Sand	12.2	748.4	Sand, white	52.3	999.5
Clay	3.0	751.4	Sand, hard, white	21.2	1020.7

SUNFLOWER COUNTY WELL 7, SE.1/4, SE.1/4, SEC.15, T.24 N., R.3 W.

J. N. Boyd

Alluvium	Thick. feet	Depth feet	Kosciusko sand	Thick. feet	Depth feet
Unreported	147.5	147.5	Sand	8.0	523.0
Cockfield formation			Zilpha clay		
Clay	5.0	152.5	Clay	31.6	554.6
Sand	16.2	168.7	Sand	2.0	556.6
Sand, hard	67.1	235.8	Clay	10.0	566.6
Sand	15.0	250.8	Sand	3.0	569.6
Clay	11.7	262.5	Clay	6.9	576.5
Sand	8.0	270.5	Sand	2.0	578.5
Clay	0.3	270.8	Clay	22.0	600.5
Wautubbee clay			Winona sand		
Rock, soft	0.8	271.6	Rock	0.2	600.7
Clay	165.7	437.3	Clay	1.0	601.7
Kosciusko sand			Rock	0.5	602.2
Sand	75.7	513.0	Sand	3.0	605.2
Clay	2.0	515.0	Rock	0.2	605.4

TABLE 30—(Continued)

Winona sand	Thick. feet	Depth feet
Sand	12.0	617.4
Rock	0.2	617.6
Sand	16.0	633.6
Rock	0.5	634.1
Clay	4.2	638.3
Sand	13.0	651.3
Clay	2.0	653.3
Rock	0.4	653.7
Sand	4.0	657.7
Rock	0.6	658.3
Sand	3.0	661.3
Rock	0.2	661.5
Sand	3.0	664.5
Rock	0.2	664.7
Sand	8.0	672.7
Rock	1.5	674.2
Water	4.0	678.2
Rock	0.4	678.6
Sand	14.0	692.6
Rock	0.3	692.9
Sand	9.2	702.1
Rock	1.0	703.1
Sand	3.0	706.1
Rock	0.6	706.7
Sand	22.3	729.0
Water	4.0	733.0
Sand	109.4	842.4
Basic City shale		
Clay	9.4	851.8
Sand, medium	15.0	866.8
Clay	2.2	869.0
Sand	11.0	880.0
Clay	72.7	952.7
Sand	13.0	965.7
Clay	5.0	970.7
Sand	21.7	992.4
Clay	2.0	994.4
Sand	8.0	1002.4
Clay	11.1	1013.5

SUNFLOWER COUNTY WELL 11, NW.1/4, SW.1/4, SEC.27, T.24 N., R.3 W.

State Prison
Altitude: 145 ft.

Driller: C. M. Journey in 1931

Alluvium	Thick. feet	Depth feet
Soil and clay	41.0	41.0
Sand	48.0	89.0
Sand and gravel	76.0	165.0
Cockfield formation		
Sand	171.0	336.0
Wautubbee clay		
Clay	304.0	640.0
Zilpha clay		
Clay	52.0	692.0
Winona sand		
Rock	.7	692.7
Clay	2.0	694.7
Rock	1.7	696.4
Shale, hard	12.0	708.4
Rock	2.3	710.7
Sand	33.0	743.7
Clay	9.0	752.7
Rock	2.0	754.7
Sand	17.3	772.0
Rock	.6	772.6
Sand	4.4	777.0
Rock	.8	777.8
Sand	18.2	796.0
Rock	2.3	798.3
Sand and rock	41.7	840.0
Basic City shale		
Clay	87.0	927.0
Sand	21.0	948.0
Clay	89.0	1037.0
Meridian sand		
Sand	67.0	1104.0
Clay	135.0	1239.0
Sand	45.0	1284.0

TABLE 30—(Continued)

SUNFLOWER COUNTY WELL 16, SW.1/4, SE.1/4, SEC.26, T.24 N., R.4 W.

State Prison — Driller: T. B. Minyard
Altitude: 145.5 ft.

	Thick.	Depth
Alluvium	feet	feet
Clay	10.0	10.0
Sand	54.0	64.0
Gravel	85.2	149.2
Cockfield formation		
Sand	251.1	400.3
Wautubbee clay		
Clay	98.0	498.3
Kosciusko sand		
Shale	4.9	503.2
Sand	183.3	686.5
Zilpha clay		
Clay	57.5	744.0
Winona sand		
Rock	0.5	744.5
Clay	2.0	746.5
Shale	7.0	753.5
Rock	0.5	754.0
Winona sand		
Clay and rock	6.3	760.3
Clay	24.4	784.7
Clay and rock	9.7	794.4
Sand and rock	64.2	858.6
Water sand	14.0	872.6
Clay and sand	48.4	921.0
Basic City shale		
Clay	42.7	963.7
Sand	3.0	966.7
Clay	12.0	978.7
Sand, water-bearing	59.9	1038.6
Clay	6.3	1044.9
Sand, water	6.0	1050.9
Clay	10.0	1060.9
Shale	24.1	1085.0

SUNFLOWER COUNTY WELL 18, SW.1/4, NE.1/4, SEC.1, T.23 N., R.3 W.

H. S. Bickett — Driller: T. B. Minyard in 1936
Altitude: 142 ft.

	Thick.	Depth
Alluvium	feet	feet
Clay and sand	21.7	21.7
Sand	16.0	37.7
Gravel	47.6	85.3
Gravel, coarse	43.5	128.8
Gravel, bad	8.0	136.8
Cockfield formation		
Rock, hard	.4	137.2
Clay	4.0	141.2
Sand	92.0	233.2
Wautubbee clay		
Gumbo	28.8	262.0
Sand	8.7	270.7
Sand, hard	96.3	367.0
Clay	30.8	397.8
Sand	5.0	402.8
Clay	131.7	534.5
Zilpha clay		
Shale, hard	5.0	539.5
Clay	39.9	579.4
Winona sand		
Rock	.7	580.1
Sand, green	2.0	582.1
Rock	1.2	583.3
Sand, green	16.7	600.0
Rock	.5	600.5
Sand, green	2.0	602.5
Rock	.4	602.9
Sand, green	1.5	604.4
Rock	.2	604.6
Sand, green	23.3	627.9
Clay	9.7	637.6
Sand	4.0	641.6
Clay	8.0	649.6
Sand	6.0	655.6

TABLE 30—(Continued)

	Thick.	Depth
Winona sand	feet	feet
Rock, hard	1.8	657.4
Sand	12.0	669.4
Rock	1.6	671.0
Sand	26.1	697.1
Rock, hard	1.3	698.4
Sand	5.0	703.4
Rock	1.6	705.0
Sand	3.0	708.0
Clay	14.3	722.3
Rock	.8	723.1
Sand	3.0	726.1
Rock	.3	726.4
Sand	3.0	729.4
Rock	.8	730.2
Sand	12.0	742.2
Rock	.3	742.5
Winona sand		
Sand	26.0	768.5
Basic City shale		
Clay	23.0	791.5
Sand, brown, good	13.3	804.8
Sand, brown	11.0	815.8
Clay	10.0	825.8
Sand	21.0	846.8
Clay	4.0	850.8
Shale	17.5	868.3
Clay	42.8	911.1
Meridian(?) sand		
Sand, good	26.3	937.4
Clay	14.0	951.4
Sand	10.5	961.9
Clay	4.0	965.9
Sand	9.2	975.1

SUNFLOWER COUNTY WELL 19, NW.1/4, SW.1/4, SEC.9, T.23 N., R.3 W.

Gold Field Well — Driller: T. B. Minyard in June 1917

	Thick.	Depth
Alluvium	feet	feet
Clay	10.0	10.0
Sand	31.0	41.0
Gumbo	41.0	82.0
Sand	10.0	92.0
Gravel	54.0	146.0
Rock	1.1	147.1
Gravel	21.0	168.1
Cockfield formation		
Sand	37.3	205.4
Clay	7.0	212.4
Sand	44.8	257.2
Clay	10.0	267.2
Sand	72.5	339.7
Wautubbee clay		
Clay	6.0	345.7
Stone, dropped	21.5	367.2
Clay	10.0	377.2
Kosciusko sand		
Sand	78.7	455.9
Clay	55.2	511.1
Limestone	16.0	527.1
Sand	75.6	602.7
Kosciusko sand		
Limestone	4.0	606.7
Sand	5.0	611.7
Rock	1.0	612.7
Sand	2.0	614.7
Zilpha clay		
Clay	28.0	642.7
Sand	2.0	644.7
Clay	34.8	679.5
Winona sand		
Rock	1.0	680.5
Clay	3.0	683.5
Rock	.5	684.0
Clay	2.0	686.0
Sand	2.0	688.0
Rock	1.2	689.2
Sand	19.0	708.2
Rock	1.0	709.2
Sand	8.0	717.2
Rock	.8	718.0
Shale	2.0	720.0
Clay	2.0	722.0
Rock	.7	722.7

TABLE 30—(Continued)

	Thick. feet	Depth feet
Winona sand		
Sand	7.0	729.7
Rock	.5	730.2
Clay	7.0	737.2
Sand	4.0	741.2
Rock	1.6	742.8
Sand	12.0	754.8
Clay	1.0	755.8
Rock	.5	756.3
Sand	6.0	762.3
Rock	.8	763.1
Sand	9.0	772.1
Rock	.7	772.8
Sand	4.0	776.8
Rock	1.0	777.8
Water	2.0	779.8
Clay	1.0	780.8
Rock	.2	781.0
Sand	6.0	787.0
Rock	.2	787.2
Sand	20.9	808.1
Basic City shale		
Clay	18.0	826.1
Sand	7.0	833.1
Clay	8.0	841.1
Sand	8.0	849.1
Clay	24.7	873.8
Basic City shale		
Rock	.3	874.1
Sand	17.0	891.1
Clay	4.0	895.1
Sand	4.0	899.1
Clay	6.0	905.1
Sand	4.0	909.1
Clay	6.0	915.1
Sand	8.0	923.1
Clay	9.0	932.1
Sand	12.0	944.1
Clay	12.0	956.1
Water	1.0	957.1
Shale	2.0	959.1
Sand	1.0	960.1
Shale	1.0	961.1
Sand	4.0	965.1
Clay	2.0	967.1
Sand	5.0	972.1
Clay	4.0	976.1
Shale	6.0	982.1
Meridian sand		
Water, good	8.0	990.1
Sand, good	10.0	1000.1
Sand, medium	10.0	1010.1
Sand	13.0	1023.1
Clay	7.0	1030.1

SUNFLOWER COUNTY WELL 20, SE.1/4, NE.1/4, SEC.16, T.23 N., R.4 W.

Mrs. Skinner — Driller: T. B. Minyard
Altitude: 144 ft.

	Thick. feet	Depth feet
Alluvium		
Soil	22.7	22.7
Sand	62.9	85.6
Gravel	73.6	159.2
Cockfield formation		
Sand	43.0	202.2
Clay	31.5	233.7
Sand	17.0	250.7
Clay	12.4	263.1
Sand	33.4	296.5
Clay	7.0	303.5
Sand	123.0	426.5
Wautubbee clay		
Clay	43.4	469.9
Kosciusko sand		
Sand	133.7	603.6
Clay	8.0	611.6
Sand	74.8	686.4
Shale	3.0	689.4
Rock	.2	689.6
Zilpha clay		
Clay	42.3	731.9
Winona sand		
Unreported	38.7	770.6

TABLE 30—(Continued)

	Thick.	Depth
Winona sand	feet	feet
Clay	22.3	792.9
Shale	16.3	809.2
Clay	5.0	814.2
Shale	4.0	818.2
Unreported	11.8	830.0
Sand	17.0	847.0
Clay	14.7	861.7
Rock	.3	862.0
Shale	2.0	864.0
Rock	.2	864.2
Sand	5.0	869.2
Shale	1.0	870.2
Clay	2.0	872.2
Shale	11.0	883.2
Sand	5.0	888.2
Shale	2.0	890.2
Rock	.2	890.4
Clay	9.5	899.9
Rock	.5	900.4
Shale	4.0	904.4
Rock	.7	905.1
Shale	1.0	906.1
Rock	.8	906.9
Shale	1.0	907.9
Rock	.8	908.7
Shale	1.0	909.7
Rock	.4	910.1
Shale	3.0	913.1
Rock	.3	913.4
Shale	2.4	915.8
Clay	1.0	916.8
Sand	10.0	926.8
Winona sand		
Rock	.4	927.2
Sand	2.0	929.2
Rock	.2	929.4
Sand	1.0	930.4
Rock	.5	930.9
Shale	3.0	933.9
Rock	.3	934.2
Sand	2.0	936.2
Rock	.2	936.4
Clay	1.3	937.7
Basic City shale		
Rock	.5	938.2
Clay	31.2	969.4
Sand	17.4	986.8
Shale	5.7	992.5
Clay	10.0	1002.5
Sand	5.0	1007.5
Clay	11.2	1018.7
Sand	11.0	1029.7
Clay	7.8	1037.5
Sand	14.0	1051.5
Clay	152.1	1203.6
Rock	.2	1203.8
Sand	5.0	1208.8
Clay and sand	5.0	1213.8
Clay	22.5	1236.3
Meridian sand		
Rock	.2	1236.5
Sand	8.0	1244.5
Rock	.2	1244.7
Sand	24.9	1269.6

SUNFLOWER COUNTY WELL 21, SW.1/4, NW.1/4, SEC.23, T.23 N., R.4 W.

Mrs. R. O. Smith
Altitude: 143 ft.

Driller: T. B. Minyard in 1940

	Thick.	Depth
Alluvium	feet	feet
Soil and muck	22.2	22.2
Sand	31.5	53.7
Gravel	47.8	101.5
Rock	.8	102.3
Gravel	9.7	112.0
Rock	2.0	114.0
Alluvium		
Gravel	34.8	148.8
Fine gravel and sand	21.4	170.2
Sand and gravel	21.4	191.6
Cockfield formation		
Sand	21.5	213.1

TABLE 30—(Continued)

Cockfield formation	Thick. feet	Depth feet
Sand, hard	21.4	234.5
Sand, soft	21.4	255.9
Sand	10.0	265.9
Clay	11.4	277.3
Sand	10.0	287.3
Clay	8.0	295.3
Sand	3.4	298.7
Clay, gummy	21.4	320.1
Wautubbee clay		
Sand	12.0	332.1
Clay	9.4	341.5
Clay, gummy	21.4	362.9
Clay, hard	21.4	384.3
Clay	15.0	399.3
Kosciusko sand		
Sand, hard	6.4	405.7
Clay, hard	21.4	427.1
Clay, hard, gummy	64.3	491.4
Clay	3.0	494.4
Rock	4.0	498.4
Clay, gummy	35.9	534.3
Clay, hard	12.0	546.3
Shale, hard	9.5	555.8
Sand, hard	21.4	577.2
Sand, hard and streaks clay	21.5	598.7
Zilpha clay		
Clay	50.6	649.3
Winona sand		
Rock	.7	650.0
Clay	8.0	658.0
Rock	.5	658.5
Clay	3.4	661.9
Shale	3.0	664.9
Sand, hard	14.0	678.9
Clay	3.7	682.6
Rock	.8	683.4
Sand, hard	14.0	697.4
Rock	.7	698.1
Clay	4.3	702.4
Sand, hard	12.0	714.4

Winona sand	Thick. feet	Depth feet
Clay	8.7	723.1
Sand	15.0	738.1
Rock	.8	738.9
Sand	10.0	748.9
Rock	.5	749.4
Sand	11.7	761.1
Rock	2.2	763.3
Clay	9.0	772.3
Rock	1.2	773.5
Sand	17.3	790.8
Rock	.8	791.6
Clay	5.1	796.7
Sand	12.0	808.7
Rock	.8	809.5
Sand, hard	8.2	817.7
Basic City shale		
Clay, hard	20.7	838.4
Clay	10.0	848.4
Rock	.8	849.2
Streaks sand and clay	9.5	858.7
Rock, hard	1.2	859.9
Sand	10.0	869.9
Clay	3.0	872.9
Sand	6.8	879.7
Streaks sand	20.9	900.6
Streaks sand and clay	20.2	920.8
Shale, sandy, hard and streaks clay	19.8	940.6
Streaks sand	20.3	960.9
Sand, hard	19.5	980.4
Sand	5.0	985.4
Clay	8.0	993.4
Rock	.3	993.7
Sand	12.9	1006.6
Clay	5.0	1011.6
Sand	13.0	1024.6
Clay	2.0	1026.6
Sand	8.0	1034.6
Shale	6.7	1041.3

TABLE 30—(Continued)

SUNFLOWER COUNTY WELL 22, NW.1/4, SW.1/4, SEC.23, T.23 N., R.4 W.

Mrs. Ricketts — Driller: T. B. Minyard
Altitude: 144 ft.

	Thick.	Depth
Alluvium	feet	feet
Soil and sand	22.0	22.0
Sand	45.7	67.7
Sand and gumbo	20.4	88.1
Gravel	31.4	119.5
Cockfield formation		
Clay	3.0	122.5
Sand	306.7	429.2
Clay	21.3	450.5
Wautubbee clay		
Clay, gummy	42.6	493.1
Clay	46.6	539.7
Kosciusko sand		
Rock	1.8	541.5
Clay	95.3	636.8
Shale	4.0	640.8
Shale, hard, sandy	19.7	660.5
Shale, stone	20.2	680.7
Clay, hard	19.5	700.2
Clay, gummy	19.9	720.1
Zilpha clay		
Clay, hard, gummy	20.2	740.3
Clay gummy	20.3	760.6
Clay	10.0	770.6
Winona sand		
Shale, rock	1.7	772.3
Shale	9.2	781.5
Sand	10.0	791.5
Rock, medium	1.5	793.0
Sand	15.5	808.5
Rock	1.2	809.7
Clay	3.0	812.7
Rock	.7	813.4
Clay	6.0	819.4
Rock	1.7	821.1
Sand	10.0	831.1
Rock, hard	1.0	832.1
Clay	2.0	834.1
Rock, hard	.3	834.4
Clay	11.0	845.4
Rock, hard	.5	845.9

	Thick.	Depth
Winona sand	feet	feet
Sand	10.0	855.9
Rock, hard	.4	856.3
Sand	5.0	861.3
Rock	.4	861.7
Sand	2.0	863.7
Rock	.3	864.0
Sand	3.0	867.0
Rock	.5	867.5
Sand	12.0	879.5
Rock, hard	2.0	881.5
Sand	3.0	884.5
Rock	.6	885.1
Sand	6.0	891.1
Rock	2.4	893.5
Sand	2.0	895.5
Rock	1.3	896.8
Sand	8.0	904.8
Rock	.5	905.3
Sand	5.0	910.3
Rock	.7	911.0
Sand, hard	10.8	921.8
Sand	5.0	926.8
Basic City shale		
Clay	16.0	942.8
Gummy	.1	942.9
Clay	8.0	950.9
Sand, hard	13.9	964.8
Clay	16.0	980.8
Shale	17.2	998.0
Clay	10.8	1008.8
Shale	10.0	1018.8
Clay	13.7	1032.5
Shale, hard	1.0	1033.5
Sand, hard	12.2	1045.7
Shale	20.3	1066.0
Clay, shale hard	20.8	1086.8
Clay	12.0	1098.8
Shale	.8	1099.6
Sand	8.0	1107.6
Sand, brown	19.4	1127.0

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet
Clay, shale, gummy, hard	20.7	1147.7
Clay, hard	14.0	1161.7
Shale	.2	1161.9
Sand	36.1	1198.0
Clay	11.9	1209.9
Clay, hard	10.4	1220.3

SUNFLOWER COUNTY WELL 23, SE.1/4, SE.1/4, SEC.29, T.23 N., R.3 W.

McLemore Estate — Driller: T. B. Minyard
Altitude: 137 ft.

Alluvium	Thick. feet	Depth feet
Clay	5.0	5.0
Sand	78.0	83.0
Gravel	30.0	113.0
Cockfield formation		
Sand	221.0	334.0
Wautubbee clay		
Clay	89.4	423.4
Kosciusko sand		
Clay, bad	21.0	444.4
Clay	98.4	542.8
Sand	4.0	546.8
Clay	2.6	549.4
Sand	77.0	626.4
Zilpha clay		
Clay	53.5	679.9
Winona sand		
Rock, soft	.3	680.2
Clay	3.0	683.2
Shale, black, hard	6.0	689.2
Sand, fine and hard	4.1	693.3
Sand	18.0	711.3
Rock, soft	.6	711.9
Sand	7.0	718.9
Rock	1.0	719.9
Sand, loose	5.0	724.9
Rock, hard	.7	725.6
Sand, loose	2.0	727.6
Rock, hard	.5	728.1
Clay	10.8	738.9
Sand, loose	17.0	755.9
Winona sand		
Sand	2.0	757.9
Rock	.5	758.4
Sand	20.8	779.2
Clay	8.5	787.7
Sand	7.0	794.7
Rock, hard	.5	795.2
Clay	3.4	798.6
Rock	.5	799.1
Sand	2.0	801.1
Rock, hard	.7	801.8
Sand	1.0	802.8
Rock	.5	803.3
Sand	1.0	804.3
Rock, hard	.5	804.8
Shale	12.7	817.5
Sand	4.0	821.5
Rock	.5	822.0
Sand	3.0	825.0
Rock, hard	.7	825.7
Sand, good	12.3	838.0
Sand	4.0	842.0
Basic City shale		
Clay	14.0	856.0
Sand, loose	5.0	861.0
Sand	14.0	875.0
Clay	26.0	901.0
Sand	5.0	906.0
Clay	3.0	909.0
Sand	19.2	928.2
Clay	37.0	965.2

TABLE 30—(Continued)

SUNFLOWER COUNTY WELL 24, NW.1/4, SW.1/4, SEC.32, T.23 N., R.4 W.

Sunflower Plantation
Altitude: 135.7 ft.

Driller: C. M. Journey in 1936

	Thick. feet	Depth feet
Alluvium		
Clay	18	18
Muck	5	23
Sand, white	21	44
Sand, coarse	22	66
Sand	20	86
Carbonized wood	2	88
Sand	2	90
Gravel	58	148
Clay	10	158
Sand	16	174
Sand, coarse	22	196
Gravel, fine	15	211
Jackson (?)		
Clay	3	214
Sand, fine	4	218
Sand, hard	40	258
Clay	3	261
Sand	10	271
Gumbo	59	330
Cockfield formation		
Sand	16	346
Sand, lignite	22	368
Sand	22	390
Sand, hard	21	411
Sand	20	431
Shale	12	443
Shale, sandy	10	453
Gumbo	64	517
Shale, gummy	21	538
Sand	8	546
Gumbo	20	566
Sand	5	571
Wautubbee clay		
Shale, hard	9	580
Rock	1	581
Sand, hard	10	591
Rock	1	592
Shale, sandy	9	601
Sand and shale	6	607
Rock, hard	1	608
Wautubbee clay		
Shale	14	622
Kosciusko sand		
Sand, gray	108	730
Sand	16	746
Zilpha clay		
Gumbo	20	766
Shale	6	772
Gumbo, brown sand	21	793
Gumbo	22	815
Winona sand		
Sand, rock	2	817
Sand	15	832
Shale, sandy	3	835
Shale	3	838
Rock	1	839
Shale	2	841
Rock, hard	1	842
Sand	8	850
Rock	1	851
Sand, green	6	857
Rock, hard	1	858
Gumbo	9	867
Rock, hard	2	869
Sand, green	9	878
Sand	2	880
Gumbo	3	883
Sand	14	897
Rock	1	898
Gumbo	2	900
Sand	5	905
Sheet rocks 4" to 10" thick	16	921
Sand	17	938
Rock	1	939
Sand	39	978
Basic City shale		
Gumbo	10	988
Rock	1	989
Sand	9	998
Gumbo	6	1004

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet
Not reported	4	1008
Shale	8	1016
Sand	10	1026
Gumbo	2	1028
Not reported	1	1029
Gumbo	5	1034
Sand	6	1040
Gumbo	3	1043
Sand	6	1049
Not reported	2	1051
Gumbo	6	1057
Sand	5	1062
Gumbo	4	1066
Sand	6	1072
Sand, brown	17	1089
Shale, gumbo	3	1092
Not reported	1	1093
Shale with streaks of brown sand	21	1114
Shale, gumbo	12	1126
Sand, hard	8	1134
Not reported	1	1135
Sand	10	1145
Shale	10	1155
Not reported	1	1156
Shale, hard	41	1197
Shale	12	1209

Meridian sand	Thick. feet	Depth feet
Sand, hard	9	1218
Not reported	1	1219
Sand, hard with streaks of shale	22	1241
Shale	5	1246
Streaks of sand gumbo, thin rock	16	1262
Sand	10	1272
Shale	4	1276
Sand, hard; thin streaks of shale	7	1283
Not reported	1	1284
Sand	8	1292
Shale, gummy	12	1304
Not reported	1	1305
Shale	5	1310
Hard sand with streaks of shale	15	1325
Not reported	1	1326
Sand and streaks of shale	22	1348
Sand	7	1355
Gumbo	7	1362
Sand, hard	8	1370
Sand	15	1385
Shale, gummy streaks	6	1391

SUNFLOWER COUNTY WELL 27, SW.1/4, NE.1/4, SEC.36, T.22 N., R.4 W.

Mr. Yerger
Altitude: 139 ft.

Driller: T. B. Minyard in 1922

Alluvium	Thick. feet	Depth feet
Soil	23.8	23.8
Sand	53.4	77.2
Gravel	5.7	82.9
Sand	17.5	100.4
Gravel, bad	10.0	110.4
Cockfield formation		
Sand	47.0	157.4
Unreported	21.5	178.9
Sand	68.6	247.5
Clay	3.0	250.5
Sand	9.7	260.2

Cockfield formation	Thick. feet	'Depth feet
Sand streaked with clay	61.1	321.3
Sand	91.6	412.9
Sand, hard	8.0	420.9
Wautubbee clay		
Clay	.8	421.7
Clay, gummy	44.0	465.7
Clay	36.3	502.0
Kosciusko sand		
Sand	4.7	506.7
Clay	56.6	563.3

TABLE 30—(Continued)

	Thick.	'Depth
Kosciusko sand	feet	feet
Sand	5.0	568.3
Sand streaked with clay	21.3	589.6
Sand	57.4	647.0
Zilpha clay		
Clay	12.3	659.3
Sand	9.7	669.0
Clay	62.1	731.1
Winona sand		
Sand, green	15.0	746.1
Sand	8.0	754.1
Rock	.5	754.6
Sand	39.6	794.2
Rock	.5	794.7
Sand	4.0	798.7
Rock	.3	799.0
Sand	5.0	804.0
Rock	.2	804.2
Sand	4.0	808.2
Rock	.3	808.5
Sand	.7	809.2
Rock, hard	1.0	810.2
Sand	8.0	818.2
Sand, medium	9.7	827.9
Rock, hard	1.4	829.3
Sand	6.0	835.3

	Thick.	'Depth
Winona sand	feet	feet
Rock, hard	.7	836.0
Clay	7.0	843.0
Clay, medium	1.0	844.0
Rock	.4	844.4
Sand, medium	8.0	852.4
Rock	.3	852.7
Sand	8.0	860.7
Rock, medium	.3	861.0
Sand, medium	7.7	868.7
Rock, hard	.3	869.0
Sand	4.0	873.0
Rock, hard	.3	873.3
Basic City shale		
Sand, medium	16.0	889.3
Clay	21.7	911.0
Sand, medium	23.2	934.2
Clay	4.0	938.2
Sand, medium	4.0	942.2
Clay	12.8	955.0
Sand, good	26.2	981.2
Clay	11.8	993.0
Sand	8.0	1001.0
Clay	2.0	1003.0
Sand	10.1	1013.1
Clay	7.0	1020.1
Sand	6.5	1026.6

SUNFLOWER COUNTY WELL 29, SE.1/4, SW.1/4, SEC.1, T.22 N., R.3 W.

P. H. Brooks & Co. Driller: C. M. Journey
Altitude: 135 ft. in 1939

	Thick.	'Depth
Alluvium	feet	feet
Sandy clay	23	23
Sand	77	100
Gravel	57	157
Cockfield formation		
Sand	104	261
Wautubbee (?) clay		
Gumbo	62	323
Kosciusko sand		
Sand	6	329
Gumbo	11	340
Sand	14	354
Shale	22	376

	Thick.	Depth
Kosciusko sand	feet	feet
Gumbo	22	398
Shale and sand	22	420
Shale and gumbo	22	442
Sand	109	551
Zilpha clay		
Gumbo	34	585
Rock	1	586
Gumbo	30	616
Winona sand		
Sand	30	646
Rock	1	647
Sand	20	667
Rock	1	668

TABLE 30—(Continued)

Winona sand	Thick. feet	Depth feet
Sand	20	688
Rock	2	690
Sand	8	698
Rock	1	699
Shale	11	710
Rock	1	711
Shale	3	714
Rock	1	715
Shale	5	720
Rock	1	721
Shale	12	733
Rock	1	734
Sand	8	742
Gumbo	27	769
Shale	12	781
Sand	31	812

Basic City shale	Thick. feet	Depth feet
Rock	1	813
Sand	1	814
Rock	1	815
Sand	1	816
Rock	1	817
Sand	71	888
Shale	4	892
Sand	38	930
Sand and gumbo	42	972
Sand	21	993
Gumbo and sand	22	1015
Gumbo	5	1020
Sand	15	1035
Gumbo	2	1037
Sand	39	1076
Sand and gumbo	42	1118

SUNFLOWER COUNTY WELL 31, NW.1/4, NE.1/4, SEC.5, T.22 N., R.3 W.

City of Drew, Miss.
Altitude: 141 ft.

Driller: T. B. Minyard in 1929

Alluvium	Thick. feet	Depth feet
Soil and clay	22.6	22.6
Sand	43.0	65.6
Sand and fine gravel	21.6	87.2
Gravel	21.5	108.7
Cockfield formation		
Sand	223.7	332.4
Wautubbee clay		
Clay	8.0	340.4
Shale	3.5	343.9
Clay	21.4	365.3
Sand	10.0	375.3
Clay	33.0	408.3
Kosciusko sand		
Sand, hard	107.7	516.0
Sand	64.4	580.4
Sand, hard	21.4	601.8
Clay, gummy	21.2	623.0
Clay	20.8	643.8
Rock	1.3	645.1

Zilpha clay	Thick. feet	Depth feet
Clay	28.0	673.1
Shale	35.2	708.3
Winona sand		
Rock	2.0	710.3
Shale	2.0	712.3
Rock	.8	713.1
Shale	6.2	719.3
Sand	18.0	737.3
Rock	2.2	739.5
Sand	31.2	770.7
Rock	.8	771.5
Shale	3.0	774.5
Rock	2.0	776.5
Shale	4.7	781.2
Sand	2.0	783.2
Rock	1.5	784.7
Sand	10.0	794.7
Rock, medium	.8	795.5
Sand	9.0	804.5
Rock	1.3	805.8
Sand, hard	8.0	813.8

TABLE 30—(Continued)

	Thick.	Depth
Winona sand	feet	feet
Rock	.7	814.5
Sand, hard	16.0	830.5
Clay	22.0	852.5
Rock	.4	852.9
Sand	9.4	862.3
Basic City shale		
Clay	20.7	883.0
Clay, gummy	10.0	893.0
Rock	.3	893.3
Clay	1.0	894.3
Rock	.3	894.6
Shale	2.0	896.6
Rock	.5	897.1
Shale	6.4	903.5
Clay	10.0	913.5
Sand	6.0	919.5
Clay	4.0	923.5
Clay, shale	38.8	962.3
Clay, hard	16.0	978.3
Basic City shale		
Sand	39.6	1017.9
Shale, sandy	5.0	1022.9
Sand	10.0	1032.9
Clay	5.0	1037.9
Sand	12.0	1049.9
Clay	3.0	1052.9
Sand	2.0	1054.9
Clay, shale	7.0	1061.9
Clay	8.0	1069.9
Sand, hard	10.3	1080.2
Sand	14.0	1094.2
Rock, hard	.5	1094.7
Clay, shale	5.0	1099.7
Meridian (?) sand		
Sand, hard	36.4	1136.1
Shale	3.0	1139.1
Sand	27.8	1166.9
Shale gumbo	11.0	1177.9

SUNFLOWER COUNTY WELL 32, NW.1/4, SE.1/4, SEC.5, T.22 N., R.3 W.

Federal Compress
Altitude: 139 ft.

Driller: T. B. Minyard
in 1933

	Thick.	Depth
Alluvium	feet	feet
Clay	21.7	21.7
Sand	21.8	43.5
Sand	22.7	66.2
Gravel	10.0	76.2
Sand	33.1	109.3
Rock	1.0	110.3
Gravel	10.0	120.3
Cockfield formation		
Sand	12.2	132.5
Sand, hard	10.9	143.4
Clay	11.0	154.4
Sand, hard	12.8	167.2
Clay	9.0	176.2
Sand, hard	40.9	217.1
Clay	6.1	223.2
Sand	23.2	246.4
Clay	21.8	268.2
Sand, hard	93.2	361.4
Wautubbee clay		
Gumbo and clay	21.4	382.8
Rock, hard	10.9	393.7
Clay	8.0	401.7
Kosciusko sand		
Sand, hard	4.0	405.7
Clay	23.7	429.4
Clay, hard	22.7	452.1
Rock	21.7	473.8
Gumbo	20.0	493.8
Clay and gumbo	25.8	519.6
Clay, hard	45.0	564.6
Sand	1.0	565.6
Sand, hard	28.1	593.7
Clay	2.0	595.7
Sand, soft	3.0	598.7
Clay	11.0	609.7
Sand, soft	1.0	610.7
Sand	22.0	632.7

TABLE 30—(Continued)

	Thick.	Depth
Kosciusko sand	feet	feet
Clay, hard	.4	633.1
Sand, hard	21.0	654.1
Sand	2.0	656.1
Rock	.2	656.3
Rock, soft	20.3	676.6
Zilpha clay		
Gummy, hard	21.3	697.9
Clay, hard, crumbly	8.0	705.9
Winona sand		
Shale, hard	9.0	714.9
Rock	4.2	719.1
Sand, very soft	16.0	735.1
Shale	3.8	738.9
Sand, soft	5.0	743.9
Clay	16.6	760.5
Sand, very pure and clay, gummy	19.5	780.0
Sand, soft	19.7	799.7
Sand, crumbly	3.0	802.7
Clay, hard	15.0	817.7
Rock	.8	818.5
Shale	4.0	822.5
Sand	1.0	823.5
Clay	1.0	824.5
Rock	.2	824.7
Shale sand	11.0	835.7
Rock	1.3	837.0
Sand	11.2	848.2
Rock	.6	848.8
Sand	2.0	850.8
Rock	.7	851.5
Sand	2.0	853.5
Rock	.7	854.2
Sand	2.0	856.2
Winona sand		
Rock	.5	856.7
Sand	11.0	867.7
Rock	1.0	868.7
Sand	14.0	882.7
Rock	.6	883.3
Stone, gummy	7.0	890.3
Gumbo	9.0	899.3
Clay	5.0	904.3
Basic City shale		
Shale	2.0	906.3
Rock stone, hard	4.0	910.3
Crumble	5.0	915.3
Gummy, hard	.4	915.7
Crumble, gummy	10.4	926.1
Shale	5.0	931.1
Gummy	11.0	942.1
Shell	4.0	946.1
Sand, hard, brown	5.0	951.1
Shell	2.1	953.2
Sand, streaks of clay and brown sand	19.5	972.7
Clay, crumbly	10.0	982.7
Gummy	11.5	994.2
Clay, gummy	2.0	996.2
Rock, soft	.3	996.5
Clay, shale, hard, gummy	19.5	1016.0
Sand, fair, gray, coarse	40.4	1056.4
Sand, brittle, gray	8.0	1064.4
Clay	7.0	1071.4
Sand, good	6.1	1077.5
Sand	12.0	1089.5
Shale, clay, hard	30.1	1119.6

SUNFLOWER COUNTY WELL 33, NE.1/4, SW.1/4, SEC.1, T.22 N., R.4 W.

Mrs. Greenlea
Altitude: 137 ft.

Driller: T. B. Minyard in 1935

	Thick.	Depth
	feet	feet
Unreported	823.2	823.2
Winona sand		
Sand	3.0	826.2
Winona sand		
Rock, medium	.4	826.6
Clay	2.0	828.6
Rock	.3	828.9

TABLE 30—(Continued)

Winona sand	Thick. feet	Depth feet	Winona sand	Thick. feet	Depth feet
Sand	2.0	830.9	Shale clay	2.0	1086.8
Rock	.8	831.7	Sand	14.2	1101.0
Sand	2.0	833.7	Shale gumbo	18.0	1119.0
Shale	1.0	834.7	Shale clay	10.0	1129.0
Sand	20.0	854.7	Sand	3.0	1132.0
Rock	.7	855.4	Clay	2.0	1134.0
Sand	14.5	869.9	Sand	5.0	1139.0
Clay	2.0	871.9	Clay	1.1	1140.1
Rock, soft	.3	872.2	Sand	8.0	1148.1
Clay, gummy	3.0	875.2	Clay, crumbly	5.0	1153.1
Rock, hard	.2	875.4	Sand	11.0	1164.1
Sand	11.6	887.0	Gumbo	4.0	1168.1
Clay, hard	21.1	908.1	Shale	5.0	1173.1
Clay	5.0	913.1	Sand	5.0	1178.1
Rock	.2	913.3	Clay, crumbly	4.0	1182.1
Sand, hard	5.0	918.3	Sand	3.0	1185.1
Gumbo	10.7	929.0	Gumbo	2.0	1187.1
Clay, crumbly	4.0	933.0	Sand	3.0	1190.1
Sand, red	3.0	936.0	Gumbo	5.0	1195.1
Gumbo	4.0	940.0	Sand	4.0	1199.1
Sand, red	10.2	950.2	Clay, crumbly	6.0	1205.1
Sand	3.0	953.2	Sand	5.0	1210.1
Basic City shale			Shale gumbo	3.0	1213.1
Gumbo	5.0	958.2	Sand	2.0	1215.1
Shale clay	4.0	962.2	Gumbo	5.0	1220.1
Stone, crumbly	19.0	981.2	Sand	3.0	1223.1
Rock	.4	981.6	Shale gumbo	14.0	1237.1
Gumbo	11.0	992.6	Shale, hard	15.1	1252.2
Clay	21.2	1013.8	Sand	4.0	1256.2
Shale, sandy	8.0	1021.8	Clay	10.0	1266.2
Sand	5.0	1026.8	Rock, soft	.3	1266.5
Gumbo	8.2	1035.0	Sand, fair	8.0	1274.5
Shale gumbo	20.7	1055.7	Clay	6.0	1280.5
Sand	29.1	1084.8	Sand	6.7	1287.2

SUNFLOWER COUNTY WELL 35, NE.1/4, NE.1/4, SEC.15, T.22 N., R.4 W.

J. W. Jennings and others — Driller: T. B. Minyard
Altitude: 135 ft.

Alluvium	Thick. feet	Depth feet	Alluvium	Thick. feet	Depth feet
Clay	10.0	10.0	Gravel	6.2	105.8
Sand	33.1	43.1	Sand	5.0	110.8
Gravel	10.0	53.1	Gravel	14.0	124.8
Sand, coarse, hard	46.5	99.6			

TABLE 30—(Continued)

Cockfield formation	Thick. feet	Depth feet
Sand, soft and hard	51.3	176.1
Gumbo	11.1	187.2
Sand, hard	84.5	271.7
Rock, hard	.8	272.5
Sand	5.0	277.5
Gumbo	13.8	291.3
Sand, hard	41.3	332.6
Gumbo	1.4	334.0
Sand, hard	55.4	389.4
Wautubbee clay (?)		
Gumbo	8.2	397.6
Clay, hard	15.0	412.6
Rock, hard	.6	413.2
Sand, soft	15.4	428.6
Clay, hard	5.0	433.6
Rock, hard	.2	433.8
Kosciusko sand		
Clay	2.0	435.8
Rock, soft	.6	436.4
Clay	3.4	439.8
Shale	21.3	461.1
Gumbo	40.8	501.9
Clay, loose	2.0	503.9
Clay, crumbly	39.2	543.1
Rock, soft	1.1	544.2
Gumbo shale	65.0	609.2
Sand, loose	41.0	650.2
Shale	3.0	653.2
Sand loose,	92.6	745.8
Zilpha clay		
Gumbo	19.4	765.2
Shale	10.4	775.6
Gumbo	13.0	788.6
Winona sand		
Rock, soft	.6	789.2
Gumbo	5.0	794.2
Rock, hard	.3	794.5
Shale	1.0	795.5
Rock, hard	.9	796.4
Shale	.5	796.9
Rock, hard	.1	797.0
Gumbo	6.0	803.0
Rock	.5	803.5
Clay	1.0	804.5
Rock, soft	.3	804.8
Gumbo	2.0	806.8
Rock	.4	807.2
Clay	8.1	815.3
Sand soft and loose	32.0	847.3
Rock, hard	1.8	849.1
Sand	2.0	851.1
Shale	1.0	852.1
Sand	6.3	858.4
Rock	.3	858.7
Clay	2.0	860.7
Sand, soft	42.6	903.3
Rock	.9	904.2
Sand	2.0	906.2
Rock, hard	2.0	908.2
Shale, sandy	2.0	910.2
Sand, loose	3.0	913.2
Rock, hard	.6	913.8
Sand, soft	3.0	916.8
Shale	1.0	917.8
Sand, soft	1.0	918.8
Rock	.6	919.4
Sand	3.0	922.4
Rock	.8	923.2
Sand, and shale	10.8	934.0
Sand	8.0	942.0
Basic City shale		
Clay	45.0	987.0
Clay, crumbly and rock, soft	15.2	1002.2
Clay, crumbly	13.5	1015.7
Gummy	6.0	1021.7
Clay, crumbly	13.0	1034.7
Sand, hard	18.2	1052.9
Shale	11.4	1064.3
Shale gumbo	47.5	1111.8
Sand	8.0	1119.8
Sand, hard	9.4	1129.2
Gumbo	4.0	1133.2
Sand	2.0	1135.2
Gumbo shale	14.4	1149.6
Sand	2.0	1151.6
Clay	11.0	1162.6

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet
Sand	2.0	1164.6
Gummy	3.0	1167.6
Sand	3.1	1170.7
Shale, very hard and gummy	31.5	1202.2
Shale	3.0	1205.2
Clay with sandy streaks	26.5	1231.7

SUNFLOWER COUNTY WELL 36, SEC.18, T.22 N., R.4 W.

Earl Smith — Driller: T. B. Minyard
Altitude: 139 ft.

Alluvium	Thick. feet	Depth feet
Clay	21.6	21.6
Sand	95.3	116.9
Gravel	61.4	178.3
Jackson		
Clay	15.5	193.8
Shale	18.0	211.8
Gumbo	18.7	230.5
Shale	19.5	250.0
Cockfield formation		
Sand	36.0	286.0
Gravel	6.0	292.0
Gumbo	4.0	296.0
Gravel	4.0	300.0
Sand	13.0	313.0
Clay	2.0	315.0
Sand	18.0	333.0
Clay	4.0	337.0
Sand	69.0	406.0
Gumbo	5.0	411.0
Sand	6.8	417.8
Clay	5.0	422.8
Sand	4.0	426.8
Gumbo	15.9	442.7
Sand	3.0	445.7
Rock, soft	0.6	446.3
Wautubbee (?) clay		
Gumbo	12.0	458.3
Shale gumbo	39.9	498.2
Kosciusko sand		
Gumbo	20.7	518.9
Clay	37.0	555.9
Shale	16.0	571.9
Gumbo	58.4	630.3
Shale	36.5	666.8
Sand	74.2	741.0
Clay	6.0	747.0
Zilpha clay		
Shale	73.2	820.2
Winona sand		
Rock	1.2	821.4
Shale	5.0	826.4
Rock	0.7	827.1
Shale	4.1	831.2
Sand	6.0	837.2
Gumbo	5.0	842.2
Sand	3.0	845.2
Shale	7.1	852.3
Sand	12.0	864.3
Rock	0.2	864.5
Sand	2.0	866.5
Shale	5.0	871.5
Sand	2.0	873.5
Rock	0.5	874.0
Sand	2.0	876.0
Shale	10.0	886.0
Sand	4.0	890.0
Shale	4.0	894.0
Rock	0.3	894.3
Shale	31.4	925.7
Rock	1.6	927.3
Green sand	9.0	936.3
Sand	20.6	956.9
Rock	0.4	957.3
Sand	5.0	962.3

TABLE 30—(Continued)

	Thick.	Depth
Winona sand	feet	feet
Rock	0.5	962.8
Sand	4.0	966.8
Basic City shale		
Shale	11.5	978.3
Shale gumbo	34.7	1013.0
Gumbo	21.3	1034.3
Rock	0.9	1035.2
Sand	3.0	1038.2
Gumbo	25.4	1063.6
Sand	10.0	1073.6
Gumbo	19.7	1093.3
Rock	.3	1093.6
Gumbo	2.0	1095.6
Sand	3.0	1098.6
Shale	3.0	1101.6

	Thick.	Depth
Basic City shale	feet	feet
Sand	4.7	1106.3
Clay	15.0	1121.3
Sand	3.0	1124.3
Shale	24.0	1148.3
Clay	20.8	1169.1
Shale	27.0	1196.1
Sand	29.7	1225.8
Clay	16.9	1242.7
Sand	7.0	1249.7
Clay	4.6	1254.3
Sand	14.0	1268.3
Clay	16.7	1285.0
Sand	2.0	1287.0
Clay	15.7	1302.7
Shale	12.0	1314.7

SUNFLOWER COUNTY WELL 37, NW.1/4, SE.1/4, SEC.25, T.22 N., R.4 W.

J. R. Buckley
Altitude: 135 ft.

Driller: T. B. Minyard in 1934

	Thick.	Depth
Alluvium	feet	feet
Clay	10.0	10.0
Sand	11.5	21.5
Sand, soft	36.2	57.7
Gravel, fine	6.2	63.9
Sand	51.2	115.1
Gravel, light	9.0	124.1
Cockfield formation		
Gumbo	1.6	125.7
Sand	2.0	127.7
Clay	2.0	129.7
Sand, soft	79.1	208.8
Sand	12.0	220.8
Clay	9.2	230.0
Sand, hard	42.0	272.0
Sand	10.0	282.0
Wautubbee clay and Kosciusko sand		
Clay	11.2	293.2
Gumbo	20.8	314.0
Clay	30.8	344.8
Sand	10.6	355.4
Sand, hard	21.1	376.5

	Thick.	Depth
Wautubbee clay and Kosciusko sand	feet	feet
Clay	21.2	397.7
Sand, hard	21.2	418.9
Clay	42.0	460.9
Gumbo	20.8	481.7
Gumbo, hard	20.7	502.4
Clay	21.2	523.6
Gumbo	51.9	575.5
Shale, rock	.2	575.7
Gumbo	15.6	591.3
Shale	5.0	596.3
Gumbo	5.0	601.3
Rock	.2	601.5
Shale	6.5	608.0
Shale, hard	5.0	613.0
Sand	5.0	618.0
Shale	3.0	621.0
Sand	8.2	629.2
Sand, hard	31.2	660.4
Clay	11.0	671.4
Shale	5.0	676.4
Clay	5.0	681.4

TABLE 30—(Continued)

Wautubbee clay and Kosciusko sand	Thick. feet	Depth feet
Sand	15.5	696.9
Shale	2.0	698.9
Zilpha clay		
Clay	14.6	713.5
Gumbo	47.1	760.6
Winona sand		
Rock, hard	.3	760.9
Shale	21.0	781.9
Rock	.3	782.2
Gumbo	3.0	785.2
Shale	3.0	788.2
Rock, hard	1.1	789.3
Sand, green, soft	10.9	800.2
Sand	2.0	802.2
Shale	3.0	805.2
Sand	13.0	818.2
Rock	.2	818.4
Rock, hard	3.1	821.5
Clay	2.0	823.5
Sand	23.2	846.7
Rock, hard	.3	847.0
Sand, good	17.0	864.0
Rock, hard	1.0	865.0
Sand	4.0	869.0
Clay	4.0	873.0
Rock	.3	873.3
Sand	16.9	890.2
Clay	5.0	895.2
Sand	3.0	898.2
Rock	.2	898.4
Sand	2.0	900.4
Clay	2.0	902.4
Sand	6.0	908.4
Clay	4.0	912.4
Sand	23.2	935.6
Clay, gummy	13.3	948.9
Sand	10.0	958.9

Basic City shale	Thick. feet	Depth feet
Clay	5.0	963.9
Rock, hard	.2	964.1
Sand	6.1	970.2
Gumbo	10.0	980.2
Rock	.3	980.5
Clay	5.0	985.5
Rock	.4	985.9
Gumbo	4.0	989.9
Sand	6.4	996.3
Rock, hard	8.0	1004.3
Sand, soft	3.0	1007.3
Rock, hard	.2	1007.5
Sand	4.9	1012.4
Clay	31.2	1043.6
Gumbo	11.0	1054.6
Clay	15.0	1069.6
Sand	11.0	1080.6
Rock	.2	1080.8
Sand	13.0	1093.8
Gumbo	3.0	1096.8
Shale, clay	13.0	1109.8
Sand, good	8.1	1117.9
Clay	3.0	1120.9
Sand, good	15.0	1135.9
Gumbo	3.0	1138.9
Clay	4.0	1142.9
Sand, good	15.0	1157.9
Gumbo, shale	23.2	1181.1
Shale	12.0	1193.1
Sand, good	6.0	1199.1
Clay	3.7	1202.8
Sand, white	17.0	1219.8
Clay	15.0	1234.8
Stone, hard	9.1	1243.9
Sand, white	19.0	1262.9
Clay	7.0	1269.9
Sand	2.0	1271.9
Clay, shale	14.2	1286.1

TABLE 30—(Continued)

SUNFLOWER COUNTY WELL 38, SW.1/4, NE.1/4, SEC.30, T.22 N., R.4 W.

J. W. Buckley — Driller: T. B. Minyard
Altitude: 135 ft.

	Thick.	Depth
Alluvium	feet	feet
Clay, sandy	21.9	21.9
Sand	52.2	74.1
Gravel	2.0	76.1
Sand and fine gravel	8.0	84.1
Sand	41.6	125.7
Gravel, heavy	18.2	143.9
Jackson (?)		
Rock	.7	144.6
Unreported	20.3	164.9
Sand, hard	10.0	174.9
Clay	16.0	190.9
Cockfield formation		
Sand, hard	36.8	227.7
Sand, medium	40.5	268.2
Sand	13.0	281.2
Clay	7.7	288.9
Sand and gravel	17.8	306.7
Sand, fair	41.8	348.5
Sand, hard	41.5	390.0
Clay	6.0	396.0
Rock, medium	.7	396.7
Sand, hard	35.1	431.8
Sand, medium	20.9	452.7
Sand	5.0	457.7
Clay	16.0	473.7
Clay shale	12.0	485.7
Sand, loose	8.8	494.5
Sand	3.0	497.5
Wautubbee (?) clay		
Gumbo shale	40.7	538.2
Gumbo, mean	20.8	559.0
Shale gumbo	10.0	569.0
Kosciusko (?) sand		
Rock, medium	1.2	570.2
Shale gumbo	10.0	580.2
Shale, gumbo, mean	21.0	601.2
Shale gumbo	21.2	622.4
Kosciusko (?) sand		
Clay shale	15.0	637.4
Shale, sandy	9.8	647.2
Shale, gummy	4.0	651.2
Shale, sandy	6.0	657.2
Sand, hard	27.9	685.1
Sand, medium	35.0	720.1
Shale gumbo	17.0	737.1
Zilpha clay		
Clay	5.0	742.1
Gumbo	16.0	758.1
Clay gumbo	41.7	799.8
Gumbo	12.0	811.8
Winona sand		
Gumbo shale	10.0	821.8
Shale	11.3	833.1
Clay	1.0	834.1
Sand, green	8.0	842.1
Clay	12.5	854.6
Sand, hard	20.0	874.6
Sand	2.0	876.6
Rock, soft	.5	877.1
Sand	19.0	896.1
Basic City shale		
Clay, sandy	21.2	917.3
Clay	3.0	920.3
Shale, hard	3.0	923.3
Clay	5.0	928.3
Sand	10.2	938.5
Clay	13.0	951.5
Rock, soft	.5	952.0
Clay	3.0	955.0
Rock, soft	.5	955.5
Clay	8.0	963.5
Rock, medium	.7	964.2
Clay	8.0	972.2
Rock, soft	1.7	973.9
Sand	10.0	983.9
Rock, medium	.7	984.6
Sand	61.6	1046.2
Gumbo	14.0	1060.2

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet
Shale gumbo	7.2	1067.4
Sand	17.0	1084.4
Gumbo	4.2	1088.6
Shale gumbo	17.0	1105.6
Shale, hard	4.2	1109.8
Clay	6.0	1115.8
Sand	6.0	1121.8
Clay	37.3	1159.1
Sand, green	14.5	1173.6
Sand, good	2.0	1175.6
Clay	12.0	1187.6
Basic City shale		
Sand, hard	7.2	1194.8
Sand, fair	29.3	1224.1
Clay	9.0	1233.1
Shale, sandy	25.6	1258.7
Sand, fair	24.2	1282.9
Clay	1.0	1283.9
Sand, hard	7.0	1290.9
Clay	5.0	1295.9
Sand, hard	10.3	1306.2
Shale	16.4	1322.6

SUNFLOWER COUNTY WELL 42, NW.1/4, SE.1/4, SEC.33, T.22 N., R.4 W.

J. R. Dockery — Driller: T. B. Minyard
Altitude: 134 ft.

Alluvium	Thick. feet	Depth feet
Soil	21.5	21.5
Clay	4.0	25.5
Sand	6.0	31.5
Gravel	11.2	42.7
Gravel and sand	21.2	63.9
Sand	42.5	106.4
Gravel	26.1	132.5
Cockfield formation		
Sand	173.8	306.3
Clay	6.2	312.5
Sand	22.5	335.0
Clay	10.0	345.0
Sand	37.2	382.2
Wautubbee clay		
Clay	34.3	416.5
Sand	6.0	422.5
Clay	19.2	441.7
Sand	2.2	443.9
Clay	27.2	471.1
Sand	19.0	490.1
Sand, hard	20.2	510.3
Sand	109.7	620.0
Clay	73.7	693.7
Sand	9.0	702.7
Clay	11.7	714.4
Sand	21.8	736.2
Clay	11.0	747.2
Wautubbee clay		
Sand	9.6	756.8
Zilpha clay		
Clay, gummy	19.0	775.8
Clay	10.0	785.8
Rock, soft	1.3	787.1
Clay	28.2	815.3
Winona sand		
Rock, medium	2.2	817.5
Sand	18.8	836.3
Rock, medium	0.5	836.8
Sand	4.0	840.8
Rock, medium	.2	841.0
Sand	4.0	845.0
Rock, medium	0.5	845.5
Sand	35.2	880.7
Clay	4.1	884.8
Sand	12.0	896.8
Clay	2.0	898.8
Rock, medium	0.5	899.3
Sand	25.6	924.9
Rock, medium	0.5	925.4
Rock, hard	1.2	926.6
Sand	17.0	943.6
Rock, medium	.5	944.1
Clay	7.0	951.1
Rock	.2	951.3
Sand	5.0	956.3

TABLE 30—(Continued)

	Thick. feet	Depth feet
Winona sand		
Rock, medium	1.2	957.5
Sand	18.0	975.5
Basic City shale		
Rock, medium	0.5	976.0
Clay	12.0	988.0
Sand	13.0	1001.0
Clay	8.7	1009.7
Sand	9.0	1018.7
Rock, hard	0.5	1019.2
Sand	5.0	1024.2
Rock, medium	0.3	1024.5
Sand	1.0	1025.5
Rock, soft	0.3	1025.8
Sand	3.0	1028.8
Rock, hard	0.4	1029.2
Sand	1.0	1030.2
Rock	0.2	1030.4
Rock and shale	6.0	1036.4
Sand	9.0	1045.4
Basic City shale		
Rock, medium	0.8	1046.2
Sand	4.0	1050.2
Clay	2.0	1052.2
Sand	3.0	1055.2
Rock, soft	.3	1055.5
Sand	44.8	1100.3
Clay	31.8	1132.1
Sand	29.8	1161.9
Shale and thin streaks of rock	4.0	1165.9
Sand	12.0	1177.9
Rock, soft	.3	1178.2
Sand	14.0	1192.2
Clay and shale	8.0	1200.2
Clay	26.8	1227.0
Sand	5.0	1232.0
Meridian sand		
Shale	4.0	1236.0
Sand	57.8	1293.8

SUNFLOWER COUNTY WELL 43, SE.1/4, SE.1/4, SEC.34, T.22 N., R.4 W.

Mr. Livingston — Driller: T. B. Minyard
Altitude: 135 ft.

	Thick. feet	Depth feet
Alluvium		
Clay	20.0	20.0
Sand	31.0	51.0
Gravel	10.0	61.0
Gravel, fine	41.0	102.0
Gravel, bad	41.0	143.0
Gravel	10.0	153.0
Cockfield formation, Wautubbee clay, and Kosciusko sand		
Clay	65.1	218.1
Sand	363.1	581.2
Clay	20.8	602.0
Sand	21.2	623.2
Clay	5.0	628.2
Sand	8.0	636.2
Clay	8.3	644.5
Sand	8.0	652.5
Zilpha clay		
Clay	71.0	723.5
Winona sand		
Rock	.3	723.8
Clay	60.8	784.6
Rock	1.0	785.6
Clay	57.4	843.0
Shale	8.0	851.0
Sand	1.8	852.8
Shale	10.0	862.8
Sand, coarse	10.0	872.8
Sand	18.0	890.8
Clay	7.9	898.7
Rock	.3	899.0
Sand	27.8	926.8
Clay	4.0	930.8
Sand	4.6	935.4

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet
Clay	48.3	983.7
Rock, soft	1.5	985.2
Sand	2.0	987.2
Rock	.2	987.4
Clay	12.0	999.4
Rock	.2	999.6
Clay	13.0	1012.6
Sand	7.4	1020.0
Clay	10.0	1030.0
Shale	2.0	1032.0
Sand	7.9	1039.9
Clay	4.0	1043.9
Sand	4.0	1047.9
Rock, soft	.7	1048.6
Clay	4.0	1052.6
Sand	6.3	1058.9
Basic City shale		
Sand, medium	21.3	1080.2
Sand	9.0	1089.2
Rock	.3	1089.5
Sand	12.2	1101.7
Sand, good	28.2	1129.9
Clay	2.0	1131.9
Sand	22.0	1153.9
Rock	.5	1154.4
Clay	2.0	1156.4
Shale	6.0	1162.4
Sand	5.5	1167.9
Rock	.7	1168.6
Clay	8.0	1176.6
Rock	2.5	1179.1
Sand	4.0	1183.1
Clay	5.1	1188.2

SUNFLOWER COUNTY WELL 45, SW.1/4, SW.1/4, SEC.36, T.22 N., R.4 W.

Ira Marshall — Driller: T. B. Minyard
Altitude: 138 ft.

Alluvium	Thick. feet	Depth feet
Soil and clay	23.4	23.4
Sand, blue	21.7	45.1
Sand	6.0	51.1
Gravel	13.7	64.8
Gravel, fine	20.8	85.6
Gravel	21.2	106.8
Gravle, bad	32.8	139.6
Cockfield formation		
Sand	20.4	160.0
Clay	4.0	164.0
Sand	10.0	174.0
Clay	5.0	179.0
Sand	16.6	195.6
Clay	5.0	200.6
Sand	4.0	204.6
Clay	2.3	206.9
Sand, hard	31.7	238.6
Clay	9.7	248.3
Sand	10.0	258.3
Clay	4.0	262.3
Sand	7.4	269.7
Sand, hard	73.9	343.6
Wautubbee clay		
Clay	27.0	370.6
Sand	6.0	376.6
Clay	14.2	390.8
Sand, hard	3.0	393.8
Clay gummy	7.0	400.8
Clay	12.0	412.8
Kosciusko sand		
Sand, hard	16.7	429.5
Clay	12.7	442.2
Clay, gummy, bad	20.8	463.0
Clay, tough and gummy	20.3	483.3
Clay, hard, gummy	42.9	526.2
Clay, hard	21.4	547.6
Clay, gummy	17.4	565.0
Sand	4.0	569.0
Sand, hard	83.9	652.9
Sand	16.0	668.9
Zilpha clay		
Clay	27.9	696.8

TABLE 30—(Continued)

	Thick.	Depth
Winona sand	feet	feet
Sand, hard	3.0	699.8
Clay	2.0	701.8
Sand, green	14.3	716.1
Sand	2.0	718.1
Clay, gummy	19.2	737.3
Clay, hard	10.0	747.3
Rock	.5	747.8
Clay	5.0	752.8
Sand	5.6	758.4
Sand, hard	15.0	773.4
Rock	.4	773.8
Clay	4.0	777.8
Sand	5.0	782.8
Rock	.8	783.6
Sand	7.0	790.6
Rock	2.0	792.6
Sand	3.0	795.6
Rock	.4	796.0
Sand	26.4	822.4
Sand, hard	21.2	843.6
Sand	7.0	850.6
Rock	1.5	852.1
Sand	17.0	869.1
Rock	.2	869.3
Sand	10.0	879.3
Clay	5.0	884.3
Sand	3.3	887.6
Rock	.3	887.9
Clay	4.0	891.9
Sand	14.7	906.6
Basic City shale		
Clay	4.0	910.6
Sand, hard	8.0	918.6
Basic City shale		
Clay, gummy	9.2	927.8
Rock, soft	.2	928.0
Clay	17.0	945.0
Sand	10.0	955.0
Rock, hard	.5	955.5
Clay	3.0	958.5
Sand	2.0	960.5
Clay	3.0	963.5
Sand	12.0	975.5
Rock, hard	1.2	976.7
Sand	10.0	986.7
Rock	.2	986.9
Clay	8.0	994.9
Sand, hard	5.0	999.9
Clay	2.0	1001.9
Sand, hard	6.0	1007.9
Clay	5.2	1013.1
Clay, gummy	20.7	1033.8
Clay	5.0	1038.8
Shale	7.0	1045.8
Sand, hard	10.0	1055.8
Clay	15.5	1071.3
Rock	.2	1071.5
Clay	3.0	1074.5
Rock	.2	1074.7
Shale, hard	3.0	1077.7
Sand, hard	10.0	1087.7
Clay, hard	5.0	1092.7
Sand, hard	22.0	1114.7
Sand	4.0	1118.7
Rock	.5	1119.2
Shale, hard	4.0	1123.2
Clay	12.6	1135.8

SUNFLOWER COUNTY WELL 49, SE.1/4, SE.1/4, SEC.31, T.22 N., R.3 W.

Dunaway — Driller: T. B. Minyard
Altitude: 138 ft.

	Thick.	Depth
Alluvium	feet	feet
Clay, sand	22.7	22.7
Crumble	3.0	25.7
Sand	12.0	37.7
Gravel	5.2	42.9
Sand	19.0	61.9
Alluvium		
Gravel	41.2	103.1
Sand	18.3	121.4
Gravel	18.7	140.1
Cockfield formation		
Sand, coarse	93.5	233.6

TABLE 30—(Continued)

	Thick.	Depth
Cockfield formation	feet	feet
Sand	2.0	235.6
Gummy	20.5	256.1
Sand	8.0	264.1
Shale	18.8	282.9
Sand	26.3	309.2
Shale	3.0	312.2
Sand, coarse	5.7	317.9
Sand, hard, coarse	17.8	335.7
Sand, hard	17.2	352.9
Wautubbee clay		
Gumbo shale	51.4	404.3
Kosciusko sand		
Sand, coarse	239.7	644.0
Sand	2.0	646.0
Zilpha clay		
Gumbo shale	40.6	686.6
Gumbo	17.8	704.4
Winona sand		
Gumbo shale	2.0	706.4
Sand	2.0	708.4
Shale, hard	4.0	712.4
Gumbo shale	5.0	717.4
Sand, green	18.0	735.4
Rock, hard	.7	736.1
Sand, coarse	2.2	738.3
Rock, hard	.4	738.7
Sand	1.0	739.7
Rock, hard	.8	740.5
Sand, green	2.0	742.5
Rock, soft	.8	743.3
Sand	2.0	745.3
Rock, hard	.7	746.0
Sand, coarse	13.0	759.0
Sand, green	21.1	780.1
Sand	2.0	782.1
Rock, hard	8.0	790.1
Shale	5.0	795.1
Sand, coarse	5.2	800.3
Sand	3.0	803.3
Rock	3.0	806.3
Sand	2.0	808.3
Rock, hard	12.0	820.3
Sand, coarse	.4	820.7

	Thick.	Depth
Winona sand	feet	feet
Sand	7.0	827.7
Rock, hard	1.0	828.7
Sand	4.0	832.7
Rock, hard	.7	833.4
Sand	3.0	836.4
Rock, hard	.7	837.1
Sand, coarse	4.2	841.3
Sand	2.0	843.3
Rock, soft	1.5	844.8
Sand	12.0	856.8
Shale	4.4	861.2
Sand	15.0	876.2
Basic City shale		
Rock, soft	1.0	877.2
Sand	2.0	879.2
Gummy	16.2	895.4
Rock, hard	.8	896.2
Gummy	.5	896.7
Sand	2.0	898.7
Rock, hard	.2	898.9
Sand	2.0	900.9
Rock, hard	.7	901.6
Sand	1.0	902.6
Rock, hard	.3	902.9
Sand	3.0	905.9
Rock, hard	.7	906.6
Sand, coarse	4.4	911.0
Sand	4.0	915.0
Gummy	8.0	923.0
Rock, hard	1.5	924.5
Sand	2.0	926.5
Rock, hard	.2	926.7
Sand	1.0	927.7
Rock, soft	1.3	929.0
Sand	1.0	930.0
Rock, hard	2.0	932.0
Rock, soft	.4	932.4
Sand	2.0	934.4
Rock, soft	1.0	935.4
Sand	3.0	938.4
Rock, soft	.7	939.1
Sand	2.0	941.1
Gummy	2.0	943.1

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet
Sand	8.0	951.1
Rock, soft	.4	951.5
Sand, coarse	2.0	953.5
Rock, soft	.2	953.7
Sand	1.0	954.7
Rock, soft	.2	954.9
Sand	1.0	955.9
Rock, soft	.4	956.3
Sand	2.0	958.3
Rock, soft	.8	959.1
Sand	2.0	961.1
Rock, soft	.4	961.5
Sand	2.0	963.5
Rock, soft	.2	963.7
Sand	1.0	964.7
Rock, soft	.2	964.9
Sand	1.0	965.9
Rock, soft	.2	966.1
Sand	1.0	967.1
Rock, soft	.2	967.3
Sand	1.0	968.3
Rock, soft	.2	968.5
Sand	4.9	972.5
Rock, soft	.3	972.8
Sand	2.0	974.8
Rock, soft	.2	975.0
Sand	4.0	979.0
Rock, soft	.2	979.2
Sand	1.0	980.2
Rock, soft	.2	980.4
Sand	1.0	981.4
Rock, soft	.2	981.6
Gummy	8.0	989.6
Sand, coarse	4.7	994.3
Gummy, hard	13.0	1007.3
Rock, soft	.3	1007.6
Gummy, hard	.2	1007.8
Rock, hard	2.4	1010.2
Rock	3.0	1013.2
Shale	1.0	1014.2
Rock, hard	.7	1014.9
Shale, hard	1.0	1015.9
Sand	9.0	1024.9
Rock, soft	2.0	1026.9
Sand	19.6	1046.5
Rock, hard	.3	1046.8
Sand	2.0	1048.8
Rock, soft	.2	1049.0
Sand	1.0	1050.0
Rock, hard	.2	1050.2
Sand	1.0	1051.2
Rock, soft	1.8	1053.0
Sand, coarse	5.4	1058.4
Sand	10.0	1068.4
Rock, hard	5.0	1073.4
Sand, coarse	6.4	1079.8
Sand	2.0	1081.8
Rock, hard	5.0	1086.8
Meridian (?) sand		
Sand, coarse	14.3	1101.1
Sand, hard	21.1	1122.2
Sand	4.0	1126.2
Gumbo, hard	6.0	1132.2
Sand, coarse	10.8	1143.0
Sand	10.0	1153.0
Gumbo	11.7	1164.7

SUNFLOWER COUNTY WELL 51, SE.1/4, SE.1/4, SEC.5, T.21 N., R.4 W.

C. A. Lusk — Driller: T. B. Minyard
Altitude: 134.5 ft. — in 1938

Alluvium	Thick. feet	Depth feet
Gumbo	38.7	38.7
Sand	45.7	84.4
Gravel	40.0	124.4
Sand	3.0	127.4
Gravel	24.4	151.8
Sand	173.9	325.7
Clay, gummy	5.0	330.7
Sand, hard	16.0	346.7
Clay, gummy	3.0	349.7
Sand, hard	14.0	363.7

Cockfield formation	Thick. feet	Depth feet

TABLE 30—(Continued)

	Thick.	Depth
Cockfield formation	feet	feet
Rock, hard	0.4	364.1
Sand, hard	4.7	368.8
Clay, gummy	5.0	373.8
Sand, hard	59.6	433.4
Clay, gummy	3.2	436.6
Sand	10.0	446.6
Clay, gummy	6.0	452.6
Sand, hard	12.7	465.3
Rock, hard	2.0	467.3
Sand	6.0	473.3
Clay, gummy	13.4	486.7
Sand	3.0	489.7
Clay, gummy	30.3	520.0
Sand	3.9	523.9
Clay, hard, gummy	21.9	545.8
Shale, hard	4.0	549.8
Clay, hard, gummy	40.9	590.7
Wautubbee (?) clay		
Gumbo shale	32.5	623.2
Rock, soft	0.8	624.0
Gumbo, shale	36.5	660.5
Rock, hard	1.0	661.5
(No description)	12.8	674.3
Kosciusko sand		
Sand	14.0	688.3
Gumbo shale	2.4	690.7
Sand	8.0	698.7
Gumbo shale	9.3	708.0
Shale, hard	4.0	712.0
Sand	43.0	755.0
Shale, hard	3.0	758.0
Sand	22.3	780.3
Zilpha clay		
Clay, gummy	57.2	837.5
Winona sand		
Rock, hard	9.0	846.5
Gumbo shale	4.4	850.9
Rock, hard	1.0	851.9
Gumbo shale	23.5	875.4
Sand, green	8.0	883.4
Rock, hard	11.0	894.4
Sand	4.0	898.4
Gumbo shale	1.0	899.4
Rock, soft	2.0	901.4
Winona sand		
Sand	3.0	904.4
Rock, hard	0.6	905.0
Sand	14.6	919.6
Rock, soft	0.3	919.9
Sand	38.4	958.3
Rock, soft	0.4	958.7
Sand	14.0	972.7
Rock, soft	0.2	972.9
Sand	4.7	977.6
Gummy	3.0	980.6
Sand	7.0	987.6
Rock, soft	0.7	988.3
Sand	13.0	1001.3
Rock, soft	0.4	1001.7
Sand	3.0	1004.7
Gumbo shale	2.0	1006.7
Sand	6.0	1012.7
Rock	2.0	1014.7
Clay, gummy	5.0	1019.7
Sand, rock interbedded	59.3	1079.0
Sand	15.3	1094.3
Basic City shale		
Shale, hard	9.0	1103.3
Sand	3.1	1106.4
Gumbo shale	8.0	1114.4
Shale, hard	15.3	1129.7
Clay, gummy	4.0	1133.7
Sand, green gray	14.7	1148.4
Rock, soft	0.3	1148.7
Sand	6.0	1154.7
Rock, hard	0.3	1155.0
Sand	11.4	1166.4
Shale, hard and rock	7.0	1173.4
Clay	8.0	1181.4
Sand	8.0	1189.4
Shale	16.0	1205.4
Gumbo shale	9.2	1214.6
Sand	2.0	1216.6
Shale	7.0	1223.6
Sand	4.9	1228.5
Shale gumbo	9.0	1237.5
Sand, gray	7.0	1244.5

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet
Clay	1.5	1246.0
Sand	14.0	1260.0
Gumbo	1.0	1261.0
Sand, gray	1.0	1262.0
Gumbo	1.0	1263.0
Sand	2.0	1265.0
Gumbo	1.0	1266.0
Sand	21.9	1287.9
Clay	1.4	1289.3

SUNFLOWER COUNTY WELL 52, NW.1/4, SE.1/4, SEC.5, T.21 N., R.4 W.

Henry Hart — Driller: T. B. Minyard
Altitude: 134 ft.

Alluvium	Thick. feet	Depth feet
Unreported	147.0	147.0
Jackson (?)		
Sand	2.0	149.0
Clay	67.2	216.2
Kosciusko sand, Wautubbee clay, and Cockfield formation		
Sand	5.0	221.2
Clay	90.6	311.8
Sand	32.3	344.1
Clay	15.8	359.9
Rock	.2	360.1
Clay	46.7	406.8
Sand	52.8	459.6
Clay	97.6	557.2
Rock	.5	557.7
Clay	116.0	673.7
Shale	9.9	683.6
Sand	87.7	771.3
Zilpha clay		
Clay	73.5	844.8
Winona sand		
Rock	.4	845.2
Clay	14.0	859.2
Shale	9.8	869.0
Water	12.0	881.0
Shale	4.0	885.0
Water	11.2	896.2
Rock	.2	896.4
Water	2.0	898.4

Winona sand	Thick. feet	Depth feet
Rock	.3	898.7
Water	11.3	910.0
Sand	25.3	935.3
Water	13.0	948.3
Rock	.5	948.8
Water	3.0	951.8
Rock	.2	952.0
Water	11.0	963.0
Rock	.2	963.2
Water	7.0	970.2
Rock	.2	970.4
Water	16.3	986.7
Rock	.2	986.9
Water	3.0	989.9
Rock	.3	990.2
Shale	3.2	993.4
Sand	13.0	1006.4
Rock	.3	1006.7
Water	5.0	1011.7
Clay	6.4	1018.1
Water	4.0	1022.1
Rock	.8	1022.9
Water	5.0	1027.9
Shale	9.4	1037.3
Water	4.0	1041.3
Rock	.4	1041.7
Clay	9.0	1050.7
Rock	.4	1051.1
Water	4.1	1055.2

TABLE 30—(Continued)

SUNFLOWER COUNTY WELL 53, SW.1/4, NW.1/4, SEC.5, T.21 N., R.4 W.

F. H. Ringold
Altitude: 131.5 ft.

Driller: T. B. Minyard in 1919

	Thick. feet	Depth feet
Alluvium		
Gravel	126.6	126.6
Sand	35.7	162.3
Clay	11.0	173.3
Cockfield formation		
Sand	22.8	196.1
Clay	8.0	204.1
Sand, hard	31.5	235.6
Clay	34.3	269.9
Sand, hard	23.8	293.7
Clay	67.8	361.5
Sand	12.4	373.9
Clay	32.3	406.2
Sand	56.7	462.9
Wautubbee clay		
Clay	10.0	472.9
Rock	0.8	473.7
Clay	19.5	493.2
Sand	15.6	508.8
Clay	5.0	513.8
Rock	1.0	514.8
Clay	61.4	576.2
Shale	7.0	583.2
Kosciusko sand		
Clay	99.3	682.5
Rock	0.3	682.8
Shale, hard	6.0	688.8
Rock, hard	2.1	690.9
Sand	91.1	782.0
Zilpha clay		
Clay	79.2	861.2
Winona sand		
Rock	0.8	862.0
Clay	13.2	875.2
Sand	41.7	916.9
Rock and sand	8.0	924.9
Sand	24.8	949.7
Sand and rock	8.0	957.7
Clay	9.0	966.7
Rock and sand	5.0	971.7
Clay	42.1	1013.8
Rock	0.4	1014.2
Shale	5.0	1019.2
Sand	10.1	1029.3
Rock	0.8	1030.1
Clay	22.1	1052.2
Sand	10.0	1062.2
Rock, hard	0.3	1062.5
Sand	10.0	1072.5
Clay	13.9	1086.4
Sand	4.0	1090.4
Rock, hard	0.6	1091.0
Sand	28.4	1119.4
Rock	0.6	1120.0
Sand	2.0	1122.0
Rock	0.5	1122.5
Sand	22.5	1145.0
Clay	1.0	1146.0
(No description)	17.0	1163.0

SUNFLOWER COUNTY WELL 55, SW.1/4, SE.1/4, SEC.16, T.21 N., R.4 W.

County School
Altitude: 134 ft.

Driller: T. B. Minyard in 1922

	Thick. feet	Depth feet
Alluvium		
Soil	22.0	22.0
Sand	40.0	62.0
Gravel	42.7	104.7
Gravel, fine	21.1	125.8
Gravel, medium	17.2	143.0
Cockfield formation		
Unreported	23.8	166.8
Sand	95.3	262.1
Clay	6.0	268.1
Sand	126.2	394.3
Clay, brittle	7.7	402.0

TABLE 30—(Continued)

	Thick.	Depth
Cockfield formation	feet	feet
Clay	20.7	422.7
Sand	20.0	442.7
Wautubbee clay		
Clay, gummy	61.7	504.4
Clay	25.0	529.4
Kosciusko sand		
Sand	17.8	547.2
Clay	104.2	651.4
Shale, hard	3.3	654.7
Shale	10.0	664.7
Sand	46.0	710.7
Clay, gummy	11.2	721.9
Clay	106.1	828.0
Zilpha clay		
Clay	21.0	849.0
Clay, gummy, hard	13.0	862.0
Winona sand		
Sand, green	6.8	868.8
Sand, loose	10.0	878.8
Rock, soft	.3	879.1
Rock and sand	2.0	881.1
Rock, hard	.5	881.6
Sand, medium	36.0	917.6
Clay	5.0	922.6
Sand, medium	5.2	927.8
Winona sand		
Sand	21.1	948.9
Sand streaked with clay	16.0	964.9
Basic City shale		
Clay, hard	4.6	969.5
Clay	3.0	972.5
Rock, hard	.7	973.2
Shale	6.0	979.2
Sand, good	10.0	989.2
Rock, hard	.6	989.8
Sand	3.0	992.8
Rock, hard	.6	993.4
Sand, good	18.0	1011.4
Sand	8.0	1019.4
Rock, medium	1.7	1021.1
Sand	13.0	1034.1
Rock, hard	1.4	1035.5
Clay	2.0	1037.5
Sand	5.0	1042.5
Rock, hard	.8	1043.3
Shale	1.0	1044.3
Sand	3.0	1047.3
Rock	1.9	1049.2
Sand	4.0	1053.2

SUNFLOWER COUNTY WELL 56, SE.1/4, SW.1/4, SEC.15, T.21 N., R.4 W.

Henry Hart
Altitude: 133 ft.

Driller: T. B. Minyard in 1916

	Thick.	Depth
Alluvium	feet	feet
Clay	15.0	15.0
Sand	56.5	71.5
Gravel	26.5	98.0
Clay	4.0	102.0
Gravel	21.0	123.0
Cockfield formation		
Clay	42.2	165.2
Sand	11.0	176.2
Clay	10.2	186.4
Sand	31.8	218.2
Clay	12.1	230.3
Sand	74.7	305.0
Clay	33.8	338.8
Sand	5.0	343.8
Clay	37.7	381.5
Rock	.4	381.9
Clay	28.0	409.9
Sand	61.3	471.2
Clay	9.0	480.2
Sand	3.8	484.0
Clay	50.8	534.8
Wautubbee clay		
Rock	1.0	535.8
Clay	10.0	545.8
Rock	2.0	547.8
Clay	31.6	579.4

TABLE 30—(Continued)

	Thick.	Depth
Wautubbee clay	feet	feet
Rock	1.2	580.6
Clay	11.0	591.6
Kosciusko sand		
Sand	43.9	635.5
Clay	52.9	688.4
Sand	10.9	699.3
Clay	30.3	729.6
Sand	40.6	770.2
Clay	63.0	833.2
Winona sand		
Rock	.6	833.8
Clay	17.5	851.3
Sand	32.4	883.7
Rock	.2	883.9
Sand	11.0	894.9
Medium sand	13.3	908.2
Sand	9.0	917.2
Basic City shale		
Clay	11.8	929.0
Sand	9.0	938.0
Basic City shale		
Clay	4.0	942.0
Sand	4.0	946.0
Clay	4.5	950.5
Sand	11.0	961.5
Sand, medium	4.0	965.5
Clay	9.7	975.2
Rock	.7	975.9
Sand	4.0	979.9
Clay	16.3	996.2
Rock	.8	997.0
Sand	9.0	1006.0
Rock	2.0	1008.0
Sand	15.2	1023.2
Rock	.6	1023.8
Sand	22.3	1046.1
Rock	.7	1046.8
Sand	2.0	1048.8
Rock	.4	1049.2
Sand	5.6	1054.8

SUNFLOWER COUNTY WELL 59, NE.1/4, SE.1/4, SEC.29, T.21 N., R.3 W.

Thorson well — Driller: T. B. Minyard
Altitude: 128 ft.

	Thick.	Depth
Alluvium	feet	feet
Soil and clay	20.8	20.8
Clay	20.9	41.7
Sand	21.0	62.7
Gravel	94.3	157.0
Cockfield formation		
Clay	8.0	165.0
Sand	21.5	186.5
Sand, hard	40.5	227.0
Sand	11.0	238.0
Clay	43.2	281.2
Sand	10.0	291.2
Sand, hard	21.0	312.2
Clay	21.2	333.4
Sand, hard	83.0	416.4
Sand	11.2	427.6
Wautubbee clay		
Clay	50.4	478.0
Kosciusko sand		
Sand, hard	215.7	693.7
Zilpha clay		
Clay	109.9	803.6
Winona sand		
Sand, coarse	47.5	851.1
Clay	24.3	875.4
Sand	8.0	883.4
Sand, coarse	12.0	895.4
Clay	27.6	923.0
Sand	8.0	931.0
Clay	10.7	941.7
Clay and sand	20.3	962.0
Sand	26.3	988.3
Clay	12.2	1000.5

TABLE 30—(Continued)

SUNFLOWER COUNTY WELL 60, NW.1/4, SW.1/4, SEC.28, T.21 N., R.3 W.

E. L. Colman & others
Altitude: 123 ft.

Driller: T. B. Minyard
in 1925

	Thick. feet	Depth feet
Alluvium		
Clay	44.2	44.2
Sand and gravel, fine	21.4	65.6
Sand	10.0	75.6
Sand and gravel	21.7	97.3
Wautubbee clay and Cockfield formation		
Sand	43.2	140.5
Rock	.5	141.0
Sand	57.5	198.5
Clay	10.0	208.5
Sand	7.0	215.5
Clay	9.0	224.5
Sand	10.3	234.8
Clay	6.0	240.8
Sand	58.4	299.2
Clay	173.6	472.8
Kosciusko sand		
Rock, medium	.5	473.3
Sand	109.0	582.3
Clay	25.7	608.0
Sand	22.4	630.4
Clay	12.0	642.4
Sand	8.8	651.2
Zilpha clay		
Clay	63.7	714.9
Winona sand		
Rock, soft	.3	715.2
Clay	17.1	732.3
Shale	2.0	734.3
Sand	119.4	853.7
Basic City shale		
Clay	13.0	866.7
Rock, soft	1.3	868.0
Clay	2.0	870.0
Rock, hard	.2	870.2
Shale	1.0	871.2
Rock, soft	.3	871.5
Sand	7.0	878.5
Rock, hard	.3	878.8
Sand	6.0	884.8
Rock, hard	.7	885.5
Shale	4.6	890.1
Sand	8.0	898.1
Clay	14.7	912.8
Rock, hard	.7	913.5
Clay	9.0	922.5
Rock, hard	.8	923.3
Clay	5.2	928.5
Clay and shale	14.0	942.5
Rock, hard	1.2	943.7
Clay	17.0	960.7
Rock, hard	.5	961.2
Clay	6.0	967.2
Rock, medium	.5	967.7
Clay	2.0	969.7
Rock, medium	.5	970.2
Clay	1.0	971.2
Rock, hard	.5	971.7
Clay and shale	7.0	978.7
Rock, soft	.2	978.9
Sand	17.7	996.6
Clay	44.8	1041.4
Sand	30.1	1071.5
Clay	4.0	1075.5
Sand	27.0	1102.5
Sand streaks and shale	18.0	1120.5
Clay	4.2	1124.7
Sand	9.0	1133.7
Clay	2.0	1135.7
Sand	8.2	1143.9
Clay	19.5	1163.4

TABLE 30—(Continued)

SUNFLOWER COUNTY WELL 61, SE.1/4, NE.1/4, SEC.28, T.21 N., R.3 W.

Dr. Coleman — Driller: T. B. Minyard
Altitude: 125 ft.

	Thick.	Depth
Alluvium	feet	feet
Soil and clay	21.3	21.4
Clay	21.3	42.7
Sand	20.5	63.2
Gravel	83.1	146.3
Sand and gravel	21.0	167.3
Wautubbee clay and Cockfield formation		
Sand, hard	62.2	229.5
Clay streaks	19.7	249.2
Sand, hard	21.2	270.4
Clay	62.5	332.9
Wautubbee clay and Cockfield formation		
Sand, hard	21.2	354.1
Clay	144.8	498.9
Kosciusko sand		
Sand, hard	145.2	644.1
Zilpha clay		
Clay	82.6	726.7
Winona sand		
Sand	40.2	766.9
Sand, hard	20.3	787.2
Sand, water-bearing	100.5	887.7

SUNFLOWER COUNTY WELL 67, NE.1/4, SE.1/4, SEC.5, T.20 N., R.5 W.

J. W. Weilenman — Driller: T. B. Minyard in 1924
Altitude: 133 ft.

	Thick.	Depth
Alluvium	feet	feet
Soil	21.0	21.0
Sand	21.0	42.0
Muck	21.0	63.0
Sand and gravel	21.0	84.0
Gravel	52.0	136.0
Kosciusko sand, Wautubbee clay, and Cockfield formation		
Sand	135.5	271.5
Clay	34.3	305.8
Sand	428.5	734.3
Clay	20.0	754.3
Sand	60.3	814.6
Clay	94.8	909.4
Sand	8.0	917.4
Clay	10.6	928.0
Sand	25.3	953.3
Clay	19.6	972.9
Sand	13.0	985.9
Clay	4.0	989.9
Sand	15.0	1004.9
Clay	6.2	1011.1
Sand	24.9	1036.0
Zilpha clay		
Clay	80.1	1116.1
Winona sand		
Rock and sand	12.4	1128.5
Clay	20.0	1148.5
Rock	0.4	1148.9
Clay	7.2	1156.1
Sand, green	13.0	1169.1
Clay	53.0	1222.1
Rock	0.5	1222.6
Sand	1.0	1223.6
Rock	0.4	1224.0
Sand	2.1	1226.1
Rock	0.8	1226.9
Clay	8.0	1234.9
Green sand	27.1	1262.0
Basic City shale		
Clay	19.3	1281.3
Sand	10.0	1291.3
Rock and sand	10.2	1301.5
Clay	15.0	1316.5
Rock	0.3	1316.8
Sand	2.0	1318.8
Rock	3.7	1322.5

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet
Sand	36.0	1358.5
Rock	0.3	1358.8
Sand	4.3	1363.1
Clay	20.0	1383.1
Basic City shale		
Sand	4.0	1387.1
Rock	0.5	1387.6
Sand	57.6	1445.2

SUNFLOWER COUNTY WELL 69, NW.1/4, NW.1/4, SEC.23, T.20 N., R.3 W.

P. G. Fiseackerly
Altitude: 120 ft.

Driller: T. B. Minyard in 1926

Alluvium	Thick. feet	Depth feet
Clay	27.8	27.8
Sand and gravel	105.5	133.3
Cockfield formation		
Clay	11.0	144.3
Sand	61.2	205.5
Clay	24.5	230.0
Sand with strata of soapstone	170.5	400.5
Wautubbee clay		
Clay	18.0	418.5
Kosciusko sand		
Sand	35.0	453.5
Clay	7.0	460.5
Kosciusko sand		
Sand	4.3	464.8
Clay	17.9	482.7
Sand and clay	20.2	502.9
Sand	85.2	588.1
Zilpha clay		
Clay, gummy	74.1	662.2
Winona sand		
Rock	3.0	665.2
Clay	3.0	668.2
Rock	0.2	668.4
Clay	15.6	684.0
Sand	122.4	806.4

SUNFLOWER COUNTY WELL 70, SE.1/4, NE.1/4, SEC.23, T.20 N., R.3 W.

E. L. Dodd
Altitude: 118 ft.

Driller: T. B. Minyard in 1940

Alluvium	Thick. feet	Depth feet
Gumbo	26.7	26.7
Sand	27.0	53.7
Gravel	26.0	79.7
Sand	21.0	100.7
Gravel	15.0	115.7
Kosciusko sand, Wautubbee clay, and Cockfield formation		
Sand, hard	8.0	123.7
Sand	85.0	208.7
Clay	2.0	210.7
Sand	122.0	332.7
Clay	24.0	356.7
Sand	2.0	358.7
Clay	9.0	367.7
Kosciusko sand, Wautubbee clay, and Cockfield formation		
Sand	10.0	377.7
Clay	21.0	398.7
Clay, hard	25.0	423.7
Sand	13.0	436.7
Clay	12.0	448.7
Clay, hard	95.0	543.7
Gumbo, shale	5.0	548.7
Clay	12.0	560.7
Sand	2.0	562.7
Clay	6.7	569.4
Sand, hard	19.7	589.1
Sand	4.0	593.1
Clay	5.0	598.1
Sand, hard	5.8	603.9

TABLE 30—(Continued)

Kosciusko sand, Wautubbee clay and Cockfield formation	Thick. feet	Depth feet
Clay	2.0	605.9
Sand	25.0	630.9
Clay	2.6	633.5
Sand, hard	12.0	645.5
Zilpha clay		
Clay	8.9	654.4
Clay, gummy	50.5	704.9
Winona sand		
Shale, hard	2.0	706.9
Rock, hard	0.3	707.2
Sand	2.0	709.2
Clay	8.8	718.0
Clay, hard	4.0	722.0
Rock, soft	0.7	722.7
Shale, hard	3.0	725.7
Rock, soft	0.9	726.6
Sand	5.0	731.6
Rock	0.9	732.5
Sand	1.0	733.5
Rock, hard	5.0	738.5
Sand	22.7	761.2
Sand, gummy	64.2	825.4
Sand	7.0	832.4
Rock, soft	0.6	833.0
Sand	18.7	851.7
Rock, soft	0.5	852.2
Sand	12.0	864.2
Basic City shale		
Clay	4.0	868.2
Gumbo, shale	5.0	873.2
Sand	5.0	878.2
Rock, soft	1.2	879.4
Sand	1.0	880.4
Rock, hard	0.2	880.6
Rock, soft	1.7	882.3
Sand, soft	8.0	890.3
Sand	2.0	892.3
Rock, soft	0.4	892.7
Sand, soft	11.0	903.7
Rock, soft	0.2	903.9

Basic City shale	Thick. feet	Depth feet
Sand	6.0	909.9
Gumbo, shale	2.1	912.0
Sand	6.0	918.0
Rock, soft	0.7	918.7
Sand	10.0	928.7
Rock, hard	0.2	928.9
Sand	1.0	929.9
Rock, soft	0.5	930.4
Sand	3.0	933.4
Rock, soft	0.1	933.5
Sand	2.0	935.5
Rock, soft	0.4	935.9
Sand	2.3	938.2
Shale, stone	2.0	940.2
Sand	15.3	955.5
Shale, hard	5.0	960.5
Sand	3.0	963.5
Rock, hard	0.3	963.8
Sand	5.0	968.8
Shale, gumbo	3.0	971.8
Sand, soft	5.1	976.9
Sand	1.0	977.9
Rock, soft	0.1	978.0
Sand	1.0	979.0
Rock, hard	0.3	979.3
Sand	1.0	980.3
Rock, soft	0.1	980.4
Shale, hard	2.0	982.4
Rock	0.1	982.5
Sand	5.0	987.5
Rock, hard	0.3	987.8
Sand, soft	6.0	993.8
Shale, gumbo	10.3	1004.1
Sand	9.0	1013.1
Rock, soft	1.0	1014.1
Sand, soft	6.0	1020.1
Sand	16.0	1036.1
Rock, soft	0.1	1036.2
Sand	1.0	1037.2
Rock, soft	0.2	1037.4
Sand	11.9	1049.3
Clay	13.9	1063.2

TABLE 30—(Continued)

SUNFLOWER COUNTY WELL 71, SW.1/4, NW.1/4, SEC.20, T.20 N., R.3 W.

B. E. Kelly — Driller: T. B. Minyard

	Thick.	Depth
Alluvium	feet	feet
Gravel	148.2	148.2
Cockfield formation		
Sand	63.2	211.4
Sand, hard	15.0	226.4
Wautubbee clay		
Clay	12.8	239.2
Sand	8.0	247.2
Clay	13.4	260.6
Kosciusko sand		
Sand	264.6	525.2
Sand, hard	22.2	547.4
Clay	35.2	582.6
Sand	34.6	617.2
Clay	9.0	626.2
Sand	20.2	646.4
Clay	19.8	666.2
Sand, hard	24.0	690.2
Zilpha clay		
Clay	134.8	825.0
Rock	.5	825.5
Clay	18.5	844.0
Winona sand		
Rock	.5	844.5
Clay	3.0	847.5
Rock, hard	1.2	848.7
Sand	13.5	862.2
Rock	.7	862.9
Sand	33.2	896.1
Clay	13.0	909.1
Sand	20.0	929.1
Rock	.5	929.6
Sand	56.8	986.4
Rock	2.0	988.4
Shale	3.0	991.4
Sand	28.0	1019.4

SUNFLOWER COUNTY WELL 72, SE.1/4, SE.1/4, SEC.27, T.20 N., R.3 W.

J A. Bennett — Driller: T. B. Minyard in 1938
Altitude: 119 ft.

	Thick.	Depth
Alluvium	feet	feet
Clay	10.0	10.0
Sand	2.0	12.0
Clay	8.0	20.0
Sand	4.3	24.3
Clay	12.0	36.3
Sand	37.1	73.4
Gravel	1.0	74.4
Sand	2.0	76.4
Gravel	15.5	91.9
Sand	10.0	101.9
Gravel	15.1	117.0
Sand	12.0	129.0
Gravel	5.0	134.0
Sand	18.4	152.4
Gravel	29.5	181.9
Cockfield formation		
Sand	26.1	208.0
Clay	2.0	210.0
Sand	3.0	213.0
Cockfield formation		
Clay	2.0	215.0
Sand	54.6	269.6
Clay	12.4	282.0
Sand	118.5	400.5
Wautubbee clay		
Clay	120.0	520.5
Kosciusko sand		
Sand	45.1	565.6
Shale	8.0	573.6
Sand	43.4	617.0
Clay	2.0	619.0
Sand	15.3	634.3
Clay, gummy	5.0	639.3
Sand	43.6	682.9
Zilpha clay		
Clay, shale	7.6	690.5
Clay, gummy	10.0	700.5
Shale, gumbo, hard	32.0	732.5
Clay, gummy	34.0	766.5

TABLE 30—(Continued)

Winona sand	Thick. feet	Depth feet
Rock, soft	0.3	766.8
Shale, hard	11.0	777.8
Rock, hard	0.6	778.4
Sand	8.3	786.7
Gumbo, shale	13.9	800.6
Sand	9.0	809.6
Shale	1.0	810.6
Sand, hard	23.7	834.3
Gumbo shale	2.0	836.3
Sand	1.3	837.6
Rock, hard	0.9	838.5
Sand, hard	13.0	851.5
Shale	7.8	859.3
Sand, soft	9.0	868.3
Rock, soft	1.3	869.6
Sand	1.0	870.6
Rock, hard	0.3	870.9
Sand	8.0	878.9
Basic City shale		
Clay	35.7	914.6
Clay, crumbly	15.0	929.6
Rock	1.5	931.1
Sand	2.0	933.1
Shale	3.0	936.0
Sand, rock and shale	46.9	982.9
Clay, gummy	10.0	992.9
Sand	13.6	1006.5
Rock, soft	0.3	1006.8
Sand	14.0	1020.8
Clay	3.2	1023.0
Rock, hard	0.6	1023.6
Sand	10.9	1034.5
Clay	7.0	1041.5
Sand	17.9	1059.4
Clay, gummy	23.4	1082.8

SUNFLOWER COUNTY WELL 73, NW.1/4, NE.1/4, SEC.34, T.20 N., R.3 W.
Noel Morgan — Driller: T. B. Minyard
Altitude: 118 ft. — in 1939

River Alluvium	Thick. feet	Depth feet
Clay and soil	14.0	14.0
Sand	16.3	30.3
Clay	4.0	34.3
Sand	37.6	71.9
Gravel, case 5'	5.0	76.9
Sand	6.0	82.9
Gravel, cased	4.0	86.9
Sand	15.0	101.9
Gravel	20.7	122.6
Sand	2.0	124.6
Gravel	13.0	137.6
Cockfield formation		
Sand	49.0	186.6
Clay	10.0	196.6
Gravel	9.8	206.4
Clay, gummy	10.0	216.4
Sand, hard, clear angular quartz; minor tourmaline pyrite, anhydrite, and calcite grains	136.4	352.8
Clay, gummy	21.9	374.7
Sand, hard	18.0	392.7
Clay	4.0	396.7
Sand, hard, clear crystalline quartz; very minor glauconite, magnetite, and anhydrite grains	20.7	417.4

TABLE 30—(Continued)

	Thick. feet	Depth feet
Wautubbee formation		
Clay, gummy	20.2	437.6
Shale, hard	5.0	442.6
Clay, gummy	40.7	483.3
Clay, shale	43.1	526.4
Kosciusko sandstone		
Sand, hard	8.0	534.4
Clay, gummy	3.0	537.4
Sand, hard, fine angular quartz; very minor anhydrite, pyrite glauconite, and brown tourmaline grains	36.9	574.3
Clay, gummy	2.0	576.3
Sand, hard	12.7	589.0
Clay, gummy	4.0	593.0
Sand, hard, fine angular quartz; very minor anhydrite, pyrite, muscovite, biotite, and kaolinite (3) grains	86.1	679.1
Clay	8.0	687.1
Sand	2.0	689.1
Zilpha clay		
Clay	13.9	703.0
Shale, hard	11.9	714.9
Clay, gummy	21.4	736.3
Gumbo	13.0	749.3
Winona sandstone		
Rock, soft	0.4	749.7
Clay	14.0	763.7
Rock, soft	1.0	764.7
Sand, glauconitic	21.5	786.2
Rock, soft, calcareous	0.3	786.5
Shale, gumbo, abundant glauconite	9.2	795.7
Sand, glauconitic	7.0	802.7
Clay	2.0	804.7
Sand, glauconitic	5.0	809.7
Rock, soft	0.3	810.0
Sand, glauconitic	2.0	812.0
Rock, hard	1.3	813.3
Sand, glauconitic	33.2	846.5
Shale	2.0	848.5
Sand, glauconitic	8.0	856.5
Rock, hard	1.0	857.5
Sand, hard, glauconitic	12.0	869.5
Clay shale	2.0	871.5
Sand, glauconitic	4.0	875.5
Clay, gummy	3.0	878.5
Sand, glauconitic	11.0	889.5

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet
Clay shale	8.0	897.5
Rock, soft	1.1	898.6
Clay	2.0	900.6
Shale	8.0	908.6
Rock and hard sand, glauconitic	10.5	919.1
Clay shale	3.5	922.6
Rock, sand and shale	40.4	963.0
Clay	4.0	967.0
Sand	10.0	977.0
Rock, hard	0.3	977.3
Sand	26.4	1003.7
Rock, soft, glauconitic with iron-carbonate cement	0.2	1003.9
Sand and rock, fine angular quartz; minor glauconite	14.1	1018.0
Clay	5.8	1023.8
Sand	4.0	1027.8
Rock, hard	0.2	1028.0
Sand	11.0	1039.0
Clay	4.9	1043.9

SUNFLOWER COUNTY WELL 74, NW.1/4, NW.1/4, SEC.33, T.20 N., R.3 W.

A. G. Sledge — Driller: T. B. Minyard
Altitude: 120 ft. — in 1914

	Thick.	Depth
Alluvium	feet	feet
Soil	21.5	21.5
Gumbo	38.1	59.6
Sand	26.2	85.8
Sand and gravel	22.0	107.8
Gravel, fine	22.0	129.8
Gravel	10.0	139.8
Cockfield formation		
Sand	83.0	222.8
Clay	6.0	228.8
Sand	12.9	241.7
Clay	39.0	280.7
Sand	77.0	357.7
Clay	7.0	364.7
Sand	59.1	423.8
Clay	6.0	429.8
Sand	10.2	440.0
Clay	6.0	446.0
Sand	48.9	494.9
Wautubbee clay		
Clay	66.6	561.5
Kosciusko sand		
Sand	115.0	676.5
Zilpha clay		
Clay	2.0	678.5
Clay, gummy	89.3	767.8
Winona sand		
Rock, soft	0.8	768.6
Sand	3.0	771.6
Rock, soft	1.0	772.6
Sand	12.0	784.6
Clay	11.0	795.6
Sand	6.2	801.8
Clay	10.0	811.8
Rock, medium	0.3	812.1
Sand	11.0	823.1
Rock, hard	0.2	823.3
Sand	16.0	839.3
Clay	3.3	842.6
Sand	12.0	854.6
Clay	2.0	856.6
Sand	7.8	864.4

TABLE 30—(Continued)

Winona sand	Thick. feet	Depth feet
Rock, medium	0.8	865.2
Clay	17.0	882.2
Sand	5.0	887.2
Rock, soft	0.3	887.5
Clay	2.0	889.5
Sand	10.0	899.5
Clay	2.0	901.5
Sand	4.0	905.5
Clay	2.0	907.5
Rock, soft	0.7	908.2
Sand	25.0	933.2
Rock, soft	0.3	933.5
Clay	4.0	937.5
Rock, hard	0.3	937.8
Clay	3.0	940.8
Rock	1.5	942.3

SUNFLOWER COUNTY WELL 75, SE.1/4, SE.1/4, SEC.25, T.20 N., R.5 W.

E. E. Britt
Altitude: 124 ft.

Driller: Kenneth Journey in 1941

Alluvium	Thick. feet	Depth feet
Lap soil	13.0	13.0
Sand	10.0	23.0
Gumbo	15.0	38.0
Sand	43.0	81.0
Sand and gravel	47.3	128.3
Gravel	8.0	136.3
Sand	14.9	151.2
Sand	8.0	159.2
Jackson		
Gumbo	15.2	174.4
Cockfield formation		
Sand, hard	102.5	276.9
Sand	60.7	337.6
Shale	3.0	340.6
Sand	45.3	385.9
Gumbo	10.0	395.9
Sand	139.1	535.0
Wautubbee clay		
Shale	15.0	550.0
Kosciusko sand		
Sand	92.2	642.2
Gumbo	10.5	652.7
Shale	0.8	653.5
Sand	13.4	666.9
Sand	2.0	668.9
Gumbo	3.0	671.9
Shale	1.0	672.9
Sand	2.0	674.9
Gumbo	23.8	698.7
Sand	3.0	701.7
Kosciusko sand		
Shale	31.2	732.9
Sand	31.2	764.1
Gumbo	20.9	785.0
Sand	12.2	797.2
Gumbo	8.0	805.2
Sand	10.7	815.9
Gumbo	9.5	825.4
Shale	2.0	827.4
Sand	15.0	842.4
Gumbo	0.2	842.6
Sand with gumbo streaks	21.7	864.3
Shale	3.0	867.3
Sand	2.0	869.3
Gumbo	10.0	879.3
Sand	4.0	883.3
Shale	6.2	889.5
Sand	2.0	891.5
Gumbo	2.0	893.5
Sand, hard	11.2	904.7
Shale, hard, (gummy)	16.0	920.7
Gumbo	14.2	934.9
Sand and shale	10.2	945.1
Gumbo	13.0	958.1
Sand	7.1	965.2
Rock	0.5	965.7
Gumbo	8.2	973.9
Sand	5.0	978.9

TABLE 30—(Continued)

	Thick.	Depth
Zilpha clay	feet	feet
Gumbo	62.6	1041.5
Winona sand		
Shale, hard	10.2	1051.7
Rock	0.6	1052.3
Shale, gumbo (gummy)	13.0	1065.3
Rock	0.7	1066.0
Gummy	3.0	1069.0
Rock	0.8	1069.8
Shale	6.0	1075.8
Rock	0.5	1076.3
Sand	9.7	1086.0
Shale	15.0	1101.0
Rock	0.5	1101.5
Shale	5.0	1106.5
Shale, gummy	9.1	1115.6
Sand	13.0	1128.6
Shale	10.0	1138.6
Gumbo	8.0	1146.6
Rock	2.4	1149.0
Sand	2.0	1151.0
Shale, sandy	8.0	1159.0
Gumbo with sand streaks	11.6	1170.6
Gumbo	19.0	1189.6
Sand, green	31.2	1220.8
Gumbo	4.0	1224.8
Basic City shale		
Rock	1.8	1226.6
Sand	0.4	1227.0
Rock	0.3	1227.3
Sand	2.0	1229.3
Rock	1.0	1230.3
Sand, green	3.0	1233.3
Rock	0.7	1234.0
Sand, green	0.2	1234.2
Shale	1.0	1235.2
Rock	4.0	1239.2
Sand, green	1.0	1240.2
Rock	4.0	1244.2
Sand, green	3.0	1247.2
Shale	1.0	1248.2
Rock	0.5	1248.7
Sand, green	3.0	1251.7
Shale	1.0	1252.7
Rock	6.0	1258.7
Sand	18.0	1276.7
Rock	0.7	1277.4
Sand	2.0	1279.4
Rock	0.5	1279.9
Sand	62.1	1342.0
Gumbo	2.0	1344.0
Sand	9.0	1353.0
Gumbo	3.0	1356.0
Sand	12.0	1368.0
Rock	0.6	1368.6
Sand	5.4	1374.0
Rock	3.6	1377.6

SUNFLOWER COUNTY WELL 76a, SW.1/4, NW.1/4, SEC.32, T.20 N., R.4 W.

A. Boyer Co.
Altitude: 125 ft.

Driller: T. B. Minyard in 1918-34

	Thick.	Depth
Alluvium	feet	feet
Sand	68.2	68.2
Gravel	41.8	110.0
Rock	1.0	111.0
Gravel	66.2	177.2
Cockfield formation		
Clay	12.7	189.9
Sand	16.7	206.6
Clay	42.5	249.1
Unreported	135.3	384.4
Cockfield formation		
Sand	17.0	401.4
Clay	7.5	408.9
Sand, hard	37.3	446.2
Sand	51.8	498.0
Clay	4.0	502.0
Sand	6.8	508.8
Clay	57.3	566.1
Rock, hard	1.2	567.3

TABLE 30—(Continued)

	Thick.	Depth
Wautubbee clay	feet	feet
Clay	23.9	591.2
Clay, hard	20.8	612.0
Shale	8.0	620.0
Sand	12.7	632.7
Shale	15.0	647.7
Clay	14.0	661.7
Zilpha clay and Kosciusko sand		
Rock	.9	662.6
Clay	58.8	721.4
Shale	4.0	725.4
Clay	8.7	734.1
Shale, hard	20.0	754.1
Sand	43.7	797.8
Clay	18.7	816.5
Clay, hard	10.0	826.5
Clay, gummy	10.2	836.7
Clay	114.6	951.3
Shale	10.7	962.0
Clay	77.3	1039.3
Winona sand		
Rock	0.7	1040.0
Shale	1.6	1041.6
Rock	2.8	1044.4
Sand, hard	1.0	1045.4
Rock	1.0	1046.4
Clay	3.0	1049.4
Rock	1.6	1051.0
Sand, hard	11.0	1062.0
Sand	5.0	1067.0
Rock	0.4	1067.4
Sand	2.0	1069.4
Rock	0.3	1069.7
Clay	3.0	1072.7
Shale	4.0	1076.7
Sand	9.0	1085.7
Clay	34.7	1120.4
Rock	0.2	1120.6
Sand	1.0	1121.6
Clay	5.4	1127.0
Sand	4.0	1131.0
Clay	2.0	1133.0
Sand	9.0	1142.0
Rock	3.7	1145.7
Sand	5.0	1150.7

	Thick.	Depth
Winona sand	feet	feet
Rock	0.6	1151.3
Sand	4.0	1155.3
Clay	1.0	1156.3
Sand	21.0	1177.3
Rock	1.2	1178.5
Sand	26.9	1205.4
Unreported	9.6	1215.0
Basic City shale		
Rock	0.3	1215.3
Clay	8.0	1223.3
Gumbo	1.0	1224.3
Rock, hard	0.2	1224.5
Rock, very hard	0.2	1224.7
Rock, medium soft	5.5	1230.2
Shale gumbo, bad	1.0	1231.2
Rock, soft	0.2	1231.4
Rock, medium	0.5	1231.9
Shale, hard	2.0	1233.9
Rock, soft medium	2.0	1235.9
Rock, soft	1.0	1236.9
Rock, very hard	0.2	1237.1
Rock, soft	6.0	1243.1
Rock, very hard	0.6	1243.7
Sand, fair	3.0	1246.7
Clay	3.0	1249.7
Rock, soft	0.2	1249.9
Clay shale	1.0	1250.9
Shale	0.4	1251.3
Rock, medium	0.2	1251.5
Shale, hard	1.0	1252.5
Rock, hard	0.3	1252.8
Rock, medium	0.2	1253.0
Rock, soft medium	0.2	1253.2
Clay, gumbo	19.5	1272.7
Shale, gumbo	2.0	1274.7
Sand, good	2.0	1276.7
Clay	3.0	1279.7
Rock, soft	0.5	1280.2
Sand, good	7.0	1287.2
Clay	0.2	1287.4
Sand, good	21.0	1308.4
Sand, hard	4.0	1312.4
Sand, good	3.3	1315.7
Sand	4.0	1319.7
Clay	17.4	1337.1

TABLE 30—(Continued)

SUNFLOWER COUNTY WELL 80, SW.1/4, NW.1/4, SEC.12, T.19 N., R.3 W.

Mr. Pitman
Altitude: 116 ft.

Driller: T. B. Minyard in 1935

	Thick. feet	Depth feet
Alluvium		
Gumbo	24.9	24.9
Sand	59.8	84.7
Gravel	78.7	163.4
Cockfield formation		
Clay	46.2	209.6
Clay, gummy	15.0	224.6
Rock	5.7	230.3
Clay, gummy	21.1	251.4
Gumbo	5.0	256.4
Sand	37.1	293.5
Sand, hard	21.2	314.7
Sand	5.0	319.7
Wautubbee clay		
Shale, hard	14.5	334.2
Shale, clay	63.2	397.4
Kosciusko sand		
Sand, hard	21.0	418.4
Clay, hard	21.2	439.6
Clay	6.0	445.6
Gumbo, tough	13.0	458.6
Gumbo	62.1	520.7
Sand, hard	21.0	541.7
Clay	10.0	551.7
Sand	32.8	584.5
Sand, soft	40.7	625.2
Sand	9.0	634.2
Zilpha clay		
Clay, gummy	12.2	646.4
Clay	75.9	722.3
Gumbo, tough	21.3	743.6
Gumbo	5.0	748.6
Winona sand		
Rock, medium	0.3	748.9
Clay	12.0	760.9
Winona sand		
Sand	5.8	766.7
Rock	1.5	768.2
Sand, green	19.5	787.7
Rock, hard	0.3	788.0
Sand, green	17.0	805.0
Rock, hard	0.8	805.8
Sand, gray	42.8	848.6
Sand	10.0	858.6
Rock	0.7	859.3
Sand, loose	31.6	890.9
Sand	10.0	900.9
Basic City shale		
Rock	0.4	901.3
Clay	2.0	903.3
Sand	11.4	914.7
Rock	0.2	914.9
Sand	2.0	916.9
Rock	3.7	920.6
Sand	2.0	922.6
Rock	1.5	924.1
Clay	8.8	932.9
Sand	2.0	934.9
Rock	1.2	936.1
Sand	10.0	946.1
Gumbo	12.0	958.1
Rock, soft	.2	958.3
Crumble	2.0	960.3
Rock, soft	1.1	961.4
Sand, gummy	11.8	973.2
Gumbo	2.0	975.2
Sand	3.0	978.2
Clay, crumble	1.0	979.2
Clay	4.0	983.2
Rock	4.2	987.4
Sand	31.4	1018.8
Rock	0.5	1019.3

TABLE 30—(Continued)

SUNFLOWER COUNTY WELL 81, NW.1/4, SE.1/4, SEC.17, T.19 N., R.3 W.

Ellis Clark — Driller: T. B. Minyard
Altitude: 117 ft.

	Thick. feet	Depth feet
Alluvium		
Clay	21.0	21.0
Sand	45.0	66.0
Gravel	61.5	127.5
Rock	1.5	129.0
Gravel	20.0	149.0
Gravel and sand	21.0	170.0
Unreported	55.0	225.0
Cockfield formation		
Clay	10.0	235.0
Sand	11.2	246.2
Clay	22.0	268.2
Sand	155.1	423.3
Clay	16.5	439.8
Sand	2.0	441.8
Clay	47.8	489.6
Sand	28.5	518.1
Wautubbee clay		
Clay	87.6	605.7
Gumbo	20.7	626.4
Kosciusko sand		
Sand	94.3	720.7
Zilpha clay		
Clay	19.3	740.0
Rock	0.7	740.7
Clay	16.0	756.7
Rock	0.7	757.4
Clay	2.0	759.4
Sand	14.0	773.4
Clay	20.2	793.6
Clay, bad	20.1	813.7
Clay	16.0	829.7
Winona sand		
Rock	0.7	830.4
Clay, hard	4.0	834.4
Sand	1.0	835.4
Rock	1.1	836.5
Sand	4.0	840.5
Rock	0.3	840.8
Clay	3.0	843.8
Rock	0.3	844.1
Sand	15.1	859.2
Rock	0.9	860.1
Sand	6.0	866.1
Rock	0.5	866.6
Clay	10.0	876.6
Sand	20.0	896.6
Clay	10.0	906.6
Sand	12.0	918.6
Clay	4.0	922.6
Sand	2.0	924.6
Basic City shale		
Rock	0.3	924.9
Sand	10.0	934.9
Clay	8.0	942.9
Rock	0.7	943.6
Sand	2.0	945.6
Rock	0.3	945.9
Sand	15.2	961.1
Clay	4.0	965.1
Sand	8.0	973.1
Clay	6.1	979.2

SUNFLOWER COUNTY WELL 82, NW.1/4, SW.1/4, SEC.17, T.19 N., R.4 W.

Faison Smith — Driller: T. B. Minyard
Altitude: 122 ft.

	Thick. feet	Depth feet
Alluvium		
Sand	101.5	101.5
Gravel	3.6	105.1
Sand	8.0	113.1
Gravel	16.8	129.9
Alluvium		
Sand	13.0	142.9
Gravel	1.0	143.9
Jackson		
Clay	37.8	181.7

TABLE 30—(Continued)

	Thick.	Depth
Cockfield formation	feet	feet
Rock	0.6	182.3
Clay	8.0	190.3
Sand	4.0	194.3
Clay	73.5	267.8
Sand	5.0	272.8
Clay	22.8	295.6
Sand	152.6	448.2
Clay	9.7	457.9
Sand	5.0	462.9
Clay	4.0	466.9
Sand	60.2	527.1
Clay	18.7	545.8
Sand	13.8	559.6
Wautubbee clay		
Clay	7.0	566.6
Rock	0.7	567.3
Clay	72.5	639.8
Rock	.3	640.1
Clay	11.0	651.1
Kosciusko sand		
Sand	28.0	679.1
Clay	7.6	686.7
Sand	6.0	692.7
Clay	3.0	695.7
Sand	70.6	766.3
Clay	65.0	831.3
Shale	29.7	861.0
Sand	77.8	938.8
Clay	17.5	956.3
Rock	0.3	956.6
Clay	2.0	958.6
Rock	0.7	959.3
Clay	5.0	964.3
Sand	18.0	982.3
Zilpha clay		
Clay	18.6	1000.9
Rock	0.7	1001.6
Sand	4.0	1005.6
Clay	48.6	1054.2
Rock	0.4	1054.6
Clay	16.0	1070.6
Rock	0.3	1070.9
Clay	18.0	1088.9

	Thick.	Depth
Winona sand	feet	feet
Rock	0.8	1089.7
Shale	2.0	1091.7
Rock	2.2	1093.9
Sand	5.4	1099.3
Rock	0.7	1100.0
Clay	2.0	1102.0
Rock	0.4	1102.4
Sand	4.0	1106.4
Rock	0.2	1106.6
Clay	7.0	1113.6
Rock	0.5	1114.1
Clay	6.8	1120.9
Rock	0.3	1121.2
Clay	4.0	1125.2
Rock	0.4	1125.6
Clay	1.0	1126.6
Rock	1.2	1127.8
Clay	40.5	1168.3
Sand	10.0	1178.3
Rock	1.8	1180.1
Shale	4.0	1184.1
Sand	17.6	1201.7
Clay	2.0	1203.7
Basic City shale		
Rock	1.0	1204.7
Shale	1.0	1205.7
Rock	0.8	1206.5
Sand	12.0	1218.5
Clay	15.0	1233.5
Rock	0.2	1233.7
Clay	5.0	1238.7
Rock	0.9	1239.6
Sand	11.0	1250.6
Rock	0.3	1250.9
Sand	2.0	1252.9
Clay	6.0	1258.9
Sand	5.9	1264.8
Clay	11.0	1275.8
Rock	0.6	1276.4
Sand	3.0	1279.4
Rock	0.3	1279.7
Sand	29.7	1309.4
Clay	5.0	1314.4
Sand	14.3	1328.7

TABLE 30—(Continued)

SUNFLOWER COUNTY WELL 83, NW.1/4, SE.1/4, SEC.14, T.19 N., R.4 W.

Mr. Weber
Altitude: 113 ft.

Driller: T. B. Minyard in 1937

	Thick. feet	Depth feet
Unreported	575.6	575.6
Kosciusko sand		
Sand, easy	6.0	581.6
Sand, hard	12.3	593.9
Sand	2.0	595.9
Clay, gummy	30.3	626.2
Sand	2.0	628.2
Clay	3.0	631.2
Sand	4.1	635.3
Clay, hard	17.0	652.3
Clay, gummy	2.2	654.5
Gumbo	4.2	658.7
Clay	16.0	674.7
Sand	3.0	677.7
Clay	4.0	681.7
Sand	91.8	773.5
Gumbo	2.0	775.5
Clay	3.0	778.5
Sand	2.0	780.5
Clay	3.0	783.5
Sand	4.0	787.5
Clay	5.0	792.5
Sand	20.7	813.2
Clay, gummy	9.2	822.4
Shale	20.9	843.3
Clay	8.0	851.3
Shale	3.0	854.3
Sand	4.0	858.3
Clay, gummy	6.8	865.1
Clay	3.0	868.1
Rock, hard	.3	868.4
Clay	15.0	883.4
Sand, hard	3.0	886.4
Sand	2.0	888.4
Zilpha clay		
Clay	12.0	900.4
Shale	6.6	907.0
Clay	18.0	925.0
Shale	3.3	928.3
Clay, gummy	39.9	968.2
Zilpha clay		
Rock	.7	968.9
Clay	1.7	970.6
Clay, gummy	13.4	984.0
Winona sand		
Rock, soft	1.2	985.2
Clay	6.0	991.2
Rock, hard	.7	991.9
Sand	2.0	993.9
Rock	.1	994.0
Shale, hard	2.0	996.0
Rock	.4	996.4
Sand	.5	996.9
Rock	.3	997.2
Sand	4.0	1001.2
Rock	.4	1001.6
Sand	1.0	1002.6
Rock	.6	1003.2
Clay	5.8	1009.0
Rock, hard	1.1	1010.1
Rock	.2	1010.3
Sand	.2	1010.5
Clay, gummy	16.7	1027.2
Clay	4.0	1031.2
Shale	3.0	1034.2
Clay	14.0	1048.2
Rock	.7	1048.9
Sand	3.0	1051.9
Clay	2.0	1053.9
Rock, hard	.6	1054.5
Clay	15.4	1069.9
Rock	.2	1070.1
Sand	3.0	1073.1
Rock	.7	1073.8
Sand	9.0	1082.8
Clay	2.0	1084.8
Sand	20.0	1104.8
Rock, medium	0.5	1105.3
Sand	18.0	1123.3
Basic City shale		
Clay	3.0	1126.3

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet
Sand	7.0	1133.3
Rock, soft	0.2	1133.5
Sand	2.0	1135.5
Rock, soft	0.3	1135.8
Sand	1.0	1136.8
Rock	0.3	1137.1
Sand	9.0	1146.1
Rock, hard	0.7	1146.8
Sand	4.0	1150.8
Rock	0.6	1151.4
Sand	22.6	1174.0
Rock	0.1	1174.1
Sand	8.0	1182.1
Clay	2.0	1184.1
Sand	33.0	1217.1

SUNFLOWER COUNTY WELL 102, NW.1/4, SW.1/4, SEC.30, T.18 N., R.3 W.

J. C. Allen
Altitude: 115 ft.

Driller: T. B. Minyard in 1910

Alluvium	Thick. feet	Depth feet
Clay	20.4	20.4
Clay and sand	19.8	40.2
Sand	59.8	100.0
Gravel	39.7	139.7
Jackson		
Clay	39.8	179.5
Shale	38.3	217.8
Clay	77.5	295.3
Cockfield formation		
Sand	19.6	314.9
Shale	5.9	320.8
Sand	15.0	335.8
Shale	20.7	356.5
Clay	20.8	377.3
Unreported	50.4	427.7
Clay	4.0	431.7
Sand	37.2	468.9
Shale, hard	60.9	529.8
Sand	20.4	550.2
Clay	24.7	574.9
Sand	36.8	611.7
Wautubbee clay		
Clay	103.3	715.0
Kosciusko sand		
Sand	92.6	807.6
Clay	10.7	818.3
Sand	103.3	921.6
Zilpha clay		
Shale	20.6	942.2
Winona sand		
Sand	12.7	954.9
Clay	128.3	1083.2
Sand	10.0	1093.2
Basic City shale		
Clay	128.2	1221.4
Shale	8.0	1229.4
Clay	12.1	1241.5
Rock	1.2	1242.7
Clay	8.0	1250.7
Rock	0.8	1251.5
Clay	59.3	1310.8
Sand, good	10.0	1320.8
Sand	30.7	1351.5
Rock	0.9	1352.4
Clay	10.0	1362.4
Sand, good	22.5	1384.9
Sand	10.0	1394.9
Clay	8.7	1403.6

TABLE 30—(Continued)

SUNFLOWER COUNTY WELL 109, SW.1/4, NW.1/4, SEC.1, T.17 N., R.3 W.

Joe Pritchard — Driller: T. B. Minyard
Altitude: 116 ft. — in 1924

	Thick.	Depth
Alluvium	feet	feet
Sand	88.3	88.3
Gravel	16.3	104.6
Gravel fine	40.3	144.9
Gravel	6.0	150.9
Cockfield formation		
Clay	4.0	154.9
Sand	68.9	223.8
Clay	6.3	230.1
Sand	69.0	299.1
Wautubbee clay		
Clay	17.0	316.1
Shale	5.0	321.1
Sand	35.1	356.2
Clay	74.9	431.1
Kosciusko sand		
Sand	26.2	457.3
Clay	28.0	485.3
Sand	273.0	758.3
Clay	25.0	783.3
Sand	6.0	789.3
Zilpha clay		
Clay	2.8	792.1
Clay, gummy	103.3	895.4
Clay	19.0	914.4
Winona sand		
Rock, soft	.2	914.6
Clay	2.2	916.8
Rock, medium	2.0	918.8
Sand	2.0	920.8
Rock, soft	1.2	922.0
Sand	5.0	927.0
Rock, soft	2.7	929.7
Sand	3.0	932.7
Rock, medium	1.0	933.7
Sand	3.7	937.4
Sand	10.0	947.4
Rock, medium	1.3	948.7
Clay	5.0	953.7
Rock, medium	0.7	954.4
Sand	13.0	967.4
Shale	20.6	988.0
Sand	21.8	1009.8
Shale	3.0	1012.8
Sand	11.2	1024.0
Shale	4.0	1028.0
Sand	11.4	1039.4
Shale	4.0	1043.4
Rock, medium	1.2	1044.6
Sand	16.5	1061.1
Clay, gummy	18.6	1079.7

SUNFLOWER COUNTY WELL 110, SE.1/4, NE.1/4, SEC.3, T.17 N., R.3 W.

R. Y. Wright — Driller: T. B. Minyard
Altitude: 115 ft. — in 1922

	Thick.	Depth
Alluvium	feet	feet
Soil, sand	21.8	21.8
Sand	61.2	83.0
Gravel	58.7	141.7
Cockfield formation		
Sand	30.2	171.9
Sand, hard	21.6	193.5
Sand	10.0	203.5
Wautubbee clay		
Clay	19.7	223.2
Sand, hard and streaks clay	35.4	258.6
Wautubbee clay		
Sand and streaks clay	21.7	280.3
Sand, hard	21.7	302.0
Clay, gummy	41.2	343.2
Sand	16.0	359.2
Clay	8.6	367.8
Shale, hard	40.2	408.0
Kosciusko sand		
Sand, hard	43.0	451.0
Sand	64.6	515.6

TABLE 30—(Continued)

	Thick.	Depth
Kosciusko sand	feet	feet
Sand, hard	21.5	537.1
Sand	21.5	558.6
Clay	20.2	578.8
Clay, gummy	20.1	598.9
Clay	78.2	677.1
Sand	5.0	682.1
Sand, hard	21.2	703.3
Sand	15.0	718.3
Clay	10.7	729.0
Sand	10.0	739.0
Shale, hard	5.0	744.0
Clay	21.3	765.3
Shale	16.0	781.3
Clay	25.8	807.1
Clay, hard, gummy	84.2	891.3
Clay	19.0	910.3
Winona sand		
Rock, hard	2.0	912.3
Clay	2.0	914.3
Rock	1.2	915.5
Clay	2.0	917.5
Rock	0.7	918.2
Shale	3.0	921.2
Rock	3.0	924.2
Shale	3.0	927.2
Rock	1.3	928.5
Clay	4.9	933.4
Shale, sandy	6.0	939.4
Clay	6.0	945.4
Rock	2.3	947.7
Clay	8.0	955.7
Shale	10.0	965.7
Rock, hard	1.2	966.9

	Thick.	Depth
Winona sand	feet	feet
Clay	10.0	976.9
Clay, hard	12.2	989.1
Sand	18.0	1007.1
Shale	5.0	1012.1
Clay	8.5	1020.6
Sand	1.4	1022.0
Clay	5.0	1027.0
Sand	3.0	1030.0
Clay	9.7	1039.7
Sand	2.0	1041.7
Clay	5.0	1046.7
Sand	5.0	1051.7
Clay	12.2	1063.9
Sand	4.0	1067.9
Clay	3.0	1070.9
Sand	3.4	1074.3
Clay, hard	19.7	1094.0
Clay	9.0	1103.0
Basic City shale		
Shale	5.0	1108.0
Clay	4.0	1112.0
Sand, hard	7.2	1119.2
Clay	4.0	1123.2
Sand	2.0	1125.2
Rock	0.5	1125.7
Sand	2.0	1127.7
Rock	0.2	1127.9
Sand	10.2	1138.1
Clay	2.0	1140.1
Sand	2.0	1142.1
Clay	2.0	1144.1
Sand	6.0	1150.1
Clay	24.0	1174.1

SUNFLOWER COUNTY WELL 111, SW.1/4, NW.1/4, SEC.3, T.17 N., R.3 W.

Miss Jennie Stevens
Altitude: 111 ft.

Driller: T. B. Minyard in 1922

	Thick.	Depth
Alluvium	feet	feet
Clay	34.6	34.6
Sand	64.9	99.5
Gravel	43.0	142.5
Cockfield formation		
Soapstone	21.3	163.8

	Thick.	Depth
Cockfield formation	feet	feet
Sand	58.9	222.7
Wautubbee clay		
Shale	43.3	266.0
Sand	59.0	325.0
Soapstone	83.0	408.0

TABLE 30—(Continued)

	Thick.	Depth
Kosciusko sand	feet	feet
Sand	113.0	521.0
Soapstone	82.5	603.5
Sand	40.8	644.3
Soapstone	68.4	712.7
Sand	13.0	725.7
Soapstone	23.1	748.8
Sand	10.0	758.8
Soapstone	53.0	811.8
Zilpha clay		
Shale	10.0	821.8
Soapstone	103.1	924.9
Winona sand		
Sand and rock	50.7	975.6
Sand and soapstone	116.4	1092.0

SUNFLOWER COUNTY WELL 112, SW.1/4, NW.1/4, SEC.4, T.17 N., R.3 W.

A. J. Ward — Driller: T. B. Minyard
Altitude: 111.7 ft. — in 1929

	Thick.	Depth
Alluvium	feet	feet
Soil and clay	21.7	21.7
Sand	43.0	64.7
Sand and gravel	21.5	86.2
Gravel	21.5	107.7
Gravel, bad	21.5	129.2
Cockfield formation		
Sand	43.0	172.2
Sand, hard	107.5	279.7
Wautubbee clay		
Sand, hard and shale	21.5	301.2
Sand, hard	21.5	322.7
Clay	10.0	332.7
Shale	10.5	343.2
Hard sandy shale streaks, soft rock and hard shale	21.5	364.7
Sand, hard and shale	21.5	386.2
Sand, hard	10.0	396.2
Clay	17.5	413.7
Kosciusko sand		
Sand	10.0	423.7
Clay	6.5	430.2
Sand	10.0	440.2
Clay	11.5	451.7
Sand, hard	107.5	559.2
Sand	21.5	580.7
Clay, gummy	21.5	602.2
Clay	92.4	694.6
Sand	18.2	712.8
Clay	21.3	734.1
Sand, hard	5.0	739.1
Clay	12.7	751.8
Sand, hard	35.7	787.5
Clay	3.0	790.5
Sand	12.0	802.5
Clay	6.5	809.0
Sand	15.6	824.6
Zilpha clay		
Clay	42.9	867.5
Rock, hard	0.7	868.2
Clay	9.6	877.8
Clay, hard	19.7	897.5
Clay, hard, gummy	42.9	940.4
Clay	10.0	950.4
Winona sand		
Rock	0.7	951.1
Shale	2.0	953.1
Rock	3.0	956.1
Clay	5.0	961.1
Rock	1.2	962.3
Clay	2.0	964.3
Rock	0.7	965.0
Clay	3.0	968.0
Rock, hard	.5	968.5
Clay	3.0	971.5
Rock	.4	971.9
Clay, shale	8.0	979.9
Shale, hard	2.3	982.2
Rock, soft	.8	983.0
Clay	5.0	988.0

TABLE 30—(Continued)

	Thick.	Depth
Winona sand	feet	feet
Rock, medium	3.2	991.2
Clay	5.0	996.2
Rock	0.8	997.0
Clay	23.0	1020.0
Shale	2.2	1022.2
Rock, soft	0.7	1022.9
Clay	3.0	1025.9
Rock, hard	0.5	1026.4
Shale	8.0	1034.4
Clay	19.7	1054.1
Sand, hard	10.2	1064.3
Clay	10.0	1074.3
Sand	4.0	1078.3
Clay	6.0	1084.3
Clay, gummy, hard	18.8	1103.1
Basic City shale		
Sand, hard	2.0	1105.1
Sand	5.0	1110.1
Clay, hard	23.8	1133.9
Rock	0.7	1134.6
Clay	2.0	1136.6
Rock	0.2	1136.8
Sand, hard	27.8	1164.6
Sand	12.0	1176.6
Clay	17.0	1193.6
Sand, hard	8.4	1202.0
Sand	8.0	1210.0
Clay	14.6	1224.6
Sand	19.7	1244.3

SUNFLOWER COUNTY WELL 119, SE.1/4, NE.1/4, SEC.10, T.17 N., R.4 W.

D. L. Lester — Driller: T. B. Minyard
Altitude: 115 ft. — in 1915

	Thick.	Depth
Alluvium	feet	feet
Clay	12.0	12.0
Sand	54.0	66.0
Gravel	77.0	143.0
Jackson		
Sand	10.0	153.0
Clay	187.3	340.3
Cockfield formation		
Sand	16.7	357.0
Clay	2.0	359.0
Sand	13.0	372.0
Clay	27.2	399.2
Sand	45.9	445.1
Clay	19.3	464.4
Sand	36.2	500.6
Wautubbee clay		
Clay	9.9	510.5
Rock	0.8	511.3
Clay	12.0	523.3
Rock	0.5	523.8
Clay	4.0	527.8
Shale	28.9	556.7
Clay	10.0	566.7
Shale	2.4	569.1
Wautubbee clay		
Clay	112.9	682.0
Kosciusko sand		
Sand	38.3	720.3
Clay	11.0	731.3
Sand	12.0	743.3
Clay	110.2	853.5
Shale	20.0	873.5
Clay	19.1	892.6
Shale	6.0	898.6
Clay	2.0	900.6
Rock	3.0	903.6
Clay	1.0	904.6
Rock	0.6	905.2
Clay	2.0	907.2
Rock	0.5	907.7
Clay	16.8	924.5
Shale	20.8	945.3
Sand	3.0	948.3
Zilpha clay		
Clay	46.8	995.1
Sand	4.0	999.1
Rock	0.3	999.4
Shale	12.0	1011.4

TABLE 30—(Continued)

	Thick. feet	Depth feet
Zilpha clay		
Clay	2.0	1013.4
Shale	6.0	1019.4
Clay	8.0	1027.4
Shale	8.0	1035.4
Clay	6.0	1041.4
Shale	3.0	1044.4
Clay	2.0	1046.4
Winona sand		
Rock	0.8	1047.2
Sand	1.0	1048.2
Clay	12.0	1060.2
Rock	0.3	1060.5
Sand	2.0	1062.5
Clay	58.5	1121.0
Rock	0.4	1121.4
Clay	12.6	1134.0
Rock	3.0	1137.0
Shale	2.0	1139.0
Rock	1.8	1140.8
Shale	2.0	1142.8
Rock	2.4	1145.2
Shale	3.0	1148.2
Rock	1.3	1149.5
Water	4.0	1153.5
Rock	0.8	1154.3
Water	1.0	1155.3
Clay	2.0	1157.3
Sand	1.0	1158.3
Rock	0.7	1159.0
Clay	14.0	1173.0
Rock	0.5	1173.5
Shale	2.8	1176.3
Basic City shale		
Clay	8.0	1184.3
Rock	1.0	1185.3
Clay	2.0	1187.3
Rock	0.5	1187.8
Water	4.0	1191.8
Rock	0.7	1192.5
Water	4.0	1196.5
Shale	2.0	1198.5
Clay	12.0	1210.5
Shale	4.0	1214.5
Water	10.0	1224.5
Rock	0.5	1225.0
Shale	1.0	1226.0
Rock	0.7	1226.7
Shale	1.0	1227.7
Water	21.0	1248.7
Clay	10.0	1258.7
Shale	2.0	1260.7
Rock	0.8	1261.5
Water	4.0	1265.5
Rock	0.7	1266.2
Shale	6.0	1272.2
Rock	0.7	1272.9
Shale	4.2	1277.1
Water	5.0	1282.1
Clay	14.2	1296.3
Shale	1.0	1297.3
Water	4.0	1301.3
Clay	9.0	1310.3
Shale	8.0	1318.3
Clay	2.0	1320.3
Shale	1.0	1321.3
Clay	17.0	1338.3
Rock	0.7	1339.0
Clay	6.0	1345.0
Water	4.0	1349.0
Rock	0.3	1349.3
Water	9.3	1358.6
Rock	0.3	1358.9
Water	16.4	1375.3

TABLE 30—(Continued)

SUNFLOWER COUNTY WELL 120, NW.1/4, NE.1/4, SEC.13, T.17 N., R.5 W.

James Price — Driller: T. B. Minyard
Altitude: 117 ft. — in 1936

	Thick. feet	Depth feet
Alluvium		
Clay	31.8	31.8
Shale	12.0	43.8
Gravel	2.0	45.8
Sand	29.7	75.5
Gravel	3.0	78.5
Sand	18.7	97.2
Gravel	5.0	102.2
Sand	16.9	119.1
Gravel, bad	9.7	128.8
Sand	2.0	130.8
Rock gravel	0.8	131.6
Sand, coarse with gravel	18.9	150.5
Jackson		
Sand with soapstone streaks	21.6	172.1
Sand	2.0	174.1
Clay	6.0	180.1
Sand	3.0	183.1
Clay	1.0	184.1
Sand	6.0	190.1
Clay rock	2.0	192.1
Sand	2.0	194.1
Clay and sand	9.0	203.1
Rock	0.3	203.4
Cockfield formation		
Sand, hard	69.1	272.5
Clay crumbly	3.0	275.5
Sand	207.4	482.9
Sand and gumbo	32.0	514.9
Wautubbee clay		
Sand	10.0	524.9
Clay, crumbly	4.0	528.9
Sand and clay	17.7	546.6
Gumbo shale	14.0	560.6
Sand	24.6	585.2
Gumbo shale	18.7	603.9
Clay	12.0	615.9
Gumbo	4.0	619.9
Clay	2.0	621.9
Kosciusko sand		
Sand	15.5	637.4
Gumbo and sand	48.0	685.4
Sand	197.3	882.7
Gumbo	3.0	885.7
Sand	54.5	940.2
Clay and sand	12.5	952.7
Sand	11.9	964.6
Clay	9.0	973.6
Sand, hard	2.0	975.6
Shale	29.3	1004.9
Clay, crumbly	10.0	1014.9
Gumbo, hard	28.9	1043.8
Rock, hard	0.5	1044.3
Gumbo, hard	54.8	1099.1
Clay	3.0	1102.1
Sand, green	11.6	1113.7
Clay, crumbly	3.0	1116.7
Sand	5.0	1121.7
Shale, hard	11.7	1133.4
Gumbo, hard	6.0	1139.4
Sand	2.0	1141.4
Zilpha clay		
Clay, crumbly	13.2	1154.6
Winona sand and Basic City shale		
Clay and shale	64.0	1218.6
Shale	21.7	1240.3
Clay and rock	4.0	1244.3
Sand and rock	3.0	1247.3
Sand	6.2	1253.5
Sand and shale	10.2	1263.7
Gumbo	9.0	1272.7
Shale	16.0	1288.7
Sand	2.0	1290.7
Clay	16.0	1306.7
Shale	9.8	1316.5
Sand	10.0	1326.5
Gumbo	9.0	1335.5
Rock	0.9	1336.4
Sand and rock	4.5	1340.9

TABLE 30—(Continued)

Winona sand and Basic City shale	Thick. feet	Depth feet
No description	23.7	1364.6
Clay, crumbly	4.0	1368.6
Sand	14.0	1382.6
Gumbo	21.5	1404.1
Rock	1.3	1405.4
Sand	9.0	1414.4
Clay, crumbly	8.2	1422.6
Clay, shale	2.0	1424.6
No description	19.9	1444.5
Sand	6.0	1450.5
Clay	13.0	1463.5
Sand, hard	2.4	1465.9

SUNFLOWER COUNTY WELL 121, SW.1/4, NW.1/4, SEC.22, T.17 N., R.5 W.

L. N. Dantzler
Altitude: 115 ft.

Driller: T. B. Minyard in 1939

	Thick. feet	Depth feet
No description	23.5	23.5
Alluvium		
Gumbo	4.0	27.5
Sand	2.0	29.5
Gumbo	14.0	43.5
Sand	49.6	93.1
Gravel	2.0	95.1
Sand	4.0	99.1
Gravel	18.7	117.8
Sand	2.0	119.8
Gravel	14.0	133.8
Jackson (?)		
Sand	49.3	183.1
Clay	2.0	185.1
Sand	10.0	195.1
Clay	2.0	197.1
Sand	20.0	217.1
Clay	3.0	220.1
Sand	14.5	234.6
Clay	6.0	240.6
Cockfield formation		
Sand	21.1	261.7
Clay	2.0	263.7
Sand	68.1	331.8
Clay	12.4	344.2
Shale, hard	4.0	348.2
Sand, hard	27.6	375.8
Shale gumbo	18.4	394.2
Sand	2.0	396.2
Shale gumbo	9.0	405.2
Sand	14.8	420.0
Shale, hard	10.8	430.8
Cockfield formation		
Sand, hard	34.1	464.9
Shale, hard	9.4	474.3
Sand	12.0	486.3
Shale, gumbo	13.5	499.8
Sand	65.6	565.4
Shale, hard	4.0	569.4
Sand, hard	134.7	704.1
Shale, hard	12.0	716.1
Rock, soft	2.0	718.1
Sand, hard	3.6	721.7
Wautubbee clay		
Shale, hard	7.0	728.7
Sand	10.0	738.7
Shale, hard	9.1	747.8
Sand	5.0	752.8
Shale, hard	63.8	816.6
Kosciusko sand		
Sand	11.0	827.6
Rock, soft	0.3	827.9
Shale	6.3	834.2
Clay	13.0	847.2
Shale, hard	4.0	851.2
Sand	8.9	860.1
Shale, hard	4.0	864.1
Clay	11.0	875.1
Sand	6.9	882.0
Shale, hard	8.0	890.0
Sand	67.8	957.8
Shale gumbo	2.0	959.8
Sand	26.0	985.8
Clay	2.0	987.8
Shale, hard	5.1	992.9

TABLE 30—(Continued)

	Thick.	Depth
Kosciusko sand	feet	feet
Sand	31.0	1023.9
Clay	3.0	1026.9
Sand	8.0	1034.9
Clay	24.7	1059.6
(No description)	22.6	1082.2
Sand	8.0	1090.2
Shale	2.0	1092.2
Sand	3.0	1095.2
Shale	1.0	1096.2
Sand	40.4	1136.6
Shale	12.0	1148.6
Sand	34.6	1183.2
(Set casing)		
Zilpha clay		
Gumbo	14.4	1197.6
Clay	3.0	1200.6
Sand	2.0	1202.6
Clay	4.0	1206.6
Sand	3.0	1209.6
Shale gumbo	51.2	1260.8
Rock, hard	1.2	1262.0
Shale gumbo	7.0	1269.0
Sand	2.0	1271.0
Gumbo	9.2	1280.2
Clay, gummy	11.0	1291.2
Shale gumbo	9.4	1300.6
Winona sand		
Rock, hard	0.5	1301.1
Sand	1.0	1302.1
Clay	1.0	1303.1
Sand	0.5	1303.6
Clay	18.5	1322.1
Shale gumbo, hard	21.4	1343.5
Shale gumbo, gummy	13.0	1356.5
Clay, hard	6.0	1362.5
Rock, soft	1.4	1363.9
Clay, hard	2.0	1365.9
Sand	5.0	1370.9
Basic City shale		
Gumbo	2.0	1372.9
Sand	19.0	1391.9
Clay, gummy	7.0	1398.9
Shale, hard	3.0	1401.9
Basic City shale		
Clay, gummy	1.0	1402.9
Clay, hard	5.0	1407.9
Clay shale, hard	11.0	1418.9
Rock	0.1	1419.0
(No description)	10.3	1429.3
Shale, hard	2.0	1431.3
Clay	8.0	1439.3
Clay, gummy	1.0	1440.3
Shale, hard	2.0	1442.3
Sand, green	5.0	1447.3
Rock, hard	0.7	1448.0
Sand	2.1	1450.1
(No description)	125.8	1575.9
Clay	10.0	1585.9
Shale, hard	10.9	1596.8
Clay	12.0	1608.8
Shale, hard	12.8	1621.6
Clay	1.0	1622.6
Sand, hard	12.0	1634.6
Rock, hard	1.4	1636.0
Sand	36.3	1672.3
Rock, soft	0.3	1672.6
Sand	5.0	1677.6
Rock, hard	3.0	1680.6
Sand	3.0	1683.6
Clay	1.0	1684.6
Sand	1.0	1685.6
Clay, brittle	5.0	1690.6
Sand	2.0	1692.6
Clay	1.0	1693.6
Sand	20.1	1713.7
Clay	1.0	1714.7
Sand	2.0	1716.7
Rock, hard	0.3	1717.0
Sand	12.6	1729.6
Clay	1.0	1730.6
Sand	7.0	1737.6
Rock, hard	.....	.....
Gummy	4.5	1742.1
Sand	8.0	1750.1
Clay	1.0	1751.1
Meridian sand		
Sand	33.3	1784.4

TABLE 30—(Continued)

SUNFLOWER COUNTY WELL 123, SW.1/4, NW.1/4, SEC.35, T.17 N., R.4 W.

J. D. Wilson
Altitude: 112 ft.

Driller: T. B. Minyard
in 1938

	Thick. feet	Depth feet
Alluvium		
Clay	10.0	10.0
Sand	58.9	68.9
Gravel	3.0	71.9
Sand	17.6	89.5
Gravel	8.0	97.5
Sand	5.0	102.5
Gravel	21.7	124.2
Cockfield formation and Jackson		
Sand	53.0	177.2
Clay	4.0	181.2
Sand	40.9	222.1
Gravel	19.9	242.0
Sand	19.1	261.1
Clay	2.0	263.1
Sand	22.2	285.3
Clay	4.0	289.3
Sand	16.6	305.9
Clay	4.0	309.9
Sand	13.2	323.1
Clay	2.0	325.1
Sand	4.0	329.1
Clay	2.0	331.1
Sand	10.2	341.3
Clay, gummy	20.6	361.9
Sand	22.7	384.6
Clay	17.0	401.6
Sand	2.0	403.6
Clay, hard	33.6	437.2
Sand, hard	14.3	451.5
Clay	1.0	452.5
Sand	2.0	454.5
Clay	1.0	455.5
Sand	17.1	472.6
Clay, shale	8.0	480.6
Sand	14.4	495.0
Rock, hard	0.3	495.3
Clay	18.5	513.8??
Sand	5.0	518.8
Clay	15.0	533.8
Cockfield formation and Jackson		
Rock and sand	15.9	549.7
Clay, gummy	10.9	560.6
Sand, hard	14.7	575.3
Clay, shale	9.0	584.3
Sand, hard	16.6	600.9
Rock, soft	0.3	601.2
Clay	15.8	617.0
Sand	6.0	623.0
Clay	2.0	625.0
Sand	13.3	638.3
Wautubbee clay		
Clay	4.0	642.3
Shale, hard	9.0	651.3
Rock, soft	0.8	652.1
Sand	7.8	659.9
Shale gumbo	13.0	672.9
Shale, hard	3.0	675.9
Sand	2.3	678.2
Clay shale, hard	10.0	688.2
Sand	2.0	690.2
Clay, hard	34.4	724.6
Shale soapstone	27.7	752.3
Sand	7.0	759.3
Clay	3.1	762.4
Kosciusko sand		
Sand	2.0	764.4
Shale	1.0	765.4
Sand	14.0	779.4
Clay	2.5	781.9
Rock, hard	0.2	782.1
Clay	2.0	784.1
Sand, hard	5.0	789.1
Clay	7.0	796.1
Sand	52.0	848.1
Clay	8.0	856.1
Sand	13.8	869.9
Clay	2.0	871.9
Sand	27.5	899.4
Gumbo shale	4.5	903.9

TABLE 30—(Continued)

	Thick.	Depth
Kosciusko sand	feet	feet
No description	14.8	918.7
Gravel	21.3	940.0
Clay, gummy	22.5	962.5
Sand	3.0	965.5
Clay shale	15.7	981.2
Clay, gummy, hard	47.4	1028.6
Sand, hard	22.7	1051.3
Clay shale	2.0	1053.3
Rock, hard	0.8	1054.1
Clay, hard	4.0	1058.1
Sand	2.0	1060.1
Zilpha clay		
Shale, hard	5.7	1065.8
Clay, hard, gummy	42.5	1108.3
Shale, gumbo	16.0	1124.3
Rock, hard	0.8	1125.1
Clay shale, hard	88.9	1214.0
Chalk, hard	1.0	1215.0
Rock	0.5	1215.5
Shale	0.5	1216.0
Winona sand		
Rock, soft	0.9	1216.9
(No description)	18.4	1235.3
Winona sand		
Shale, hard	1.0	1236.3
Sand	2.0	1238.3
Clay shale	18.6	1256.9
Rock, soft and sand	40.0	1296.9
Sand, hard	10.0	1306.9
Shale, hard	2.0	1308.9
Sand, hard	19.4	1328.3
Basic City shale		
Clay	36.4	1364.7
Sand, soft	2.0	1366.7
Clay shale with sand streaks	17.6	1384.3
Clay shale, hard	21.7	1406.0
Sand, hard	21.3	1427.3
Clay shale	14.0	1441.3
Sand	5.0	1446.3
Rock, soft	1.6	1447.9
Sand and rock	15.5	1463.4
Sand	14.0	1477.4
Clay, gummy	6.2	1483.6
Sand	36.1	1519.7
Chalk	6.3	1526.0

TALLAHATCHIE COUNTY WELL 18a, NE.1/4, SW.1/4, SEC.15, T.25 N., R.2 E.

E. C. Stansel
Altitude: 175 ft.

Driller: T. B. Minyard in 1939

	Thick.	Depth
Alluvium	feet	feet
Sandy clay	17	17
Sand	26.4	43.4
Soapstone	3.0	46.4
Sand, hard	19.2	65.6
Clay, brittle	2.0	67.6
Sand, hard	8.0	75.6
Gravel	10.8	86.4
Sand	13.0	99.4
Gravel	11.2	110.6
Sand	26.7	137.3
Gravel	2.0	139.3
Sand	3.0	142.3
Zilpha clay		
Clay	25.8	168.1
Winona sand		
Sand	2.7	170.8
Clay	13.0	183.8
Sand	9.5	193.3
Rock, soft	.5	193.8
Sand	1.0	194.8
Rock, hard	.3	195.1
Clay	13.0	208.1
Sand	30.5	238.6
Rock, soft	.2	238.8
Sand, green	11.0	249.8
Clay	14.7	264.5
Sand	32.6	297.1
Basic City Shale		
Clay	21.7	318.8

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet
Sand	3.0	321.8
Clay	8.0	329.8
Sand	2.0	331.8
Clay	8.4	340.2
Sand and rock	4.5	344.7
Clay	23.7	368.4
Sand	2.0	370.4
Clay	27.1	397.5
Sand	13.1	410.6
Clay	2.0	412.6
Sand	41.6	454.2
Shale	5.0	459.2
Clay	8.1	467.3
Sand	7.0	474.3
Clay, hard	10.0	484.3
Sand	10.5	494.8
Clay	10.0	504.8
Meridian sand		
Sand	25.4	530.2
Clay	1.0	531.2
No description	19.9	551.1

TALLAHATCHIE COUNTY WELL 28a, SE.1/4, NE.1/4, SEC.26, T.25 N., R.2 E.

Town of Charleston
Altitude: 201 ft.

Driller: W. A. Jacobs in 1918

Zilpha clay & Kosciusko sand	Thick. feet	Depth feet
Clay, sandy	11	11
Sand	28	39
Clay, gravelly	44	83
Sand, white	25	108
Clay	38	146
Sand	26	172
Clay	4	176
Clay, gravelly	56	232
Clay	39	271
Clay	11	282
Winona sand		
Rock	4	286
Sand, packed	99	385
Basic City shale		
Sand rock	4	389
Clay	24	413
Sand rock	2	415
Sand, packed	29	444
Clay	6	450
Meridian sand		
Sand, hard packed	86	536
Wilcox		
Gumbo	13	549
Clay, hard	3	552
Rock	1	553
Clay	8	561
Rock	1	562
Sand	9	571
Gumbo	14	585
Gumbo, chocolate	29	614
Rock	1	615
Gumbo	3	618
Sand, packed	12	630
Shale, hard	23	653
Sand, packed	14	667
Clay	76	743
Rock	1	744
Clay	2	746
Rock	1	747
Clay	35	782
Rock	2	784
Gumbo	32-	816
Clay	12	828
Rock	2	830
Clay	16	846
Sand, packed	8	854
Clay	12	866
Rock	1	867
Clay	7	874
Sand, packed	29	903
Rock	1	904
Clay	16	920
Rock	1	921
Clay	3	924

TABLE 30—(Continued)

Wilcox	Thick. feet	Depth feet
Clay and boulders	51	975
Sand, packed	41	1016
Clay	38	1054
Sand rock	3	1057
Sand, packed	16	1073
Clay, hard	13	1086
Rock	1	1087
Sand, packed	30	1117
Clay	27	1144
Gumbo	35	1179
Rock	1	1180
Gumbo, chocolate	46	1226
Rock	1	1227
Clay	4	1231
Sand rock	5	1236
Sand, packed	8	1244
Clay	14	1258
Sand, packed	13	1271
Gumbo	19	1290
Clay	15	1305
Rock	1	1306
Sand	2	1308
Gumbo	2	1310
Rock	1	1311
Sand, packed	9	1320
Gumbo	10.7	1330.7

TALLAHATCHIE COUNTY WELL 68, NW.1/4, NE.1/4, SEC.11, T.24 N., R.2 W.

Town of Sumner — Driller: Layne-Central Co. in 1939
Altitude: 153 ft.

	Thick. feet	Depth feet
River alluvium		
Clay	10	10
Sand, fine	10	20
Sand and gravel. The coarse sand is mostly quartz and chert. Glauconite and opaque minerals some of which are magnetite are also present. The gravel is composed of pebbles of quartz, chert, sandstone, and limestone	180	200
Kosciusko sand		
Gumbo and shale, lignitic and micaceous	100	300
Sand, fine, quartz and mica; minor glauconite	23	323
Shale, brown and micaceous	10	333
Sand, fine quartz, chert, and glauconite; some interbedded clay shale	12	345
Shale, hard	10	355
Sand, water bearing and some interbedded gray clay. The quartz sand is micaceous and fine except in the lower 10 feet where grain size increases. Minor minerals are glauconite, pyrite, marcasite, hematite, and feldspar (?)	93	448
Winona sand		
Shale, and thin strata of rock, Globigerina (?) at 480-490 feet	52	500
Sand and shale, lignitic, containing small discoid foraminifera	58	558
Rock	2	560
Shale, sandy, glauconitic, non-fossiliferous and lignitic	25	585
Quartzite and chert; some fragments are banded	2	587
Shale containing grains of glauconite	8	595
Sandstone, indurated	5	600

TABLE 30—(Continued)

	Thick. feet	Depth feet
Winona sand		
Shale, thin strata of rock	4	604
Rock, cherty	1	605
Shale containing glauconite; non-fossiliferous material	13	618
Basic City shale		
Rock, cherty	2	620
Shale, hard; boulders	9	629
Rock, cherty	3	632
Shale and silt, hard	17	649
Rock, cherty (?)	1	650
Sand and shale	10	660
Shale and clay, light and dark gray, somewhat sandy. Some cuttings are carbonaceous and a few fragments are lignite	98	758
Shale, sandy; some sand is well sorted quartz, angular to subangular	24	782
Shale, gummy, scattered crystals of kaolinite (?)	30	812
Meridian sand		
Sand, fine-grained and angular quartz; minor pyrite	23	835
Sand and shale, light and dark gray. The sand is fine quartz; the sandy shale is slightly carbonaceous	25	860
Sand, fine and medium grained, black and white grains composed of quartz, coarse at base	70	930
Shale, hard and glauconitic; the color of the glauconite ranges from light to dark green	26	956
Sand, soft packed and poorly sorted, micaceous; the large grains of quartz are well rounded	19	975
Silt and fine quartz and sand for the most part; some micaceous shale	29	1004
Interbedded sand and shale	28	1032
Lignite and shale, light gray; the lignite is even textured and dense, minor pyrite	18	1050
Shale, lignitic, and light gray clay	25	1075
Sand, fine-grained angular quartz; minor pyrite and green mica	21	1096
Sand, fine-grained; interbedded shale	12	1108
Sand, fine subangular quartz and mica. Minor dark chert, pyrite, glauconite	60	1168
Wilcox		
Shale, chocolate brown and carbonaceous; interbedded fine-grained quartz sand	20	1188
Shale, chocolate brown and carbonaceous	22	1210
Lignite and carbonaceous, somewhat micaceous, shale; some interbedded layers if fine-grained quartz and sand	60	1270
Gumbo	10	1280

TABLE 30—(Continued)

	Thick. feet	Depth feet
Wilcox		
Sandstone cemented with carbonate	2	1282
Sand, subrounded fine-grained quartz, and interbedded soft limestone; some translucent clay resembling bentonite; biotite particles	11	1293
Silt, calcareous	10	1303
Shale, chocolate brown and sandstone cemented with carbonate	32	1335
Shale, sandy, and non-calcareous silt	15	1350
Gumbo, hard and carbonaceous	10	1360
Shale, hard, brown, and somewhat carbonaceous	40	1400
Sandstone, cemented with carbonate	3	1403
Shale, soft	12	1415
Shale, hard and light gray	65	1480
Lower Wilcox sand		
Sand and silt, fine quartz	25	1505
Rock	4	1509
Shale, light gray	26	1535
Sand, fine angular quartz showing numerous crystal faces	46	1581
Shale, sandy and light gray	27	1608
Sand, hard packed and water-bearing; angular white quartz except a few large grains that are somewhat rounded. Screen set here	71	1679
Shale, tough	6	1685

TALLAHATCHIE COUNTY WELL 81, NW.1/4, SW.1/4, SEC.18, T.24 N., R.1 W.

Town of Webb
Altitude: 152 ft.

Driller: T. B. Minyard in 1926

	Thick. feet	Depth feet
Alluvium		
Soil and sand	23.8	23.8
Sand	38.5	62.3
Gravel	84.0	146.3
Kosciusko sand		
Sand	17.0	163.3
Clay	149.4	312.7
Sand	80.0	392.7
Meridian sand		
Clay	70.7	463.4
Clay and rock	4.1	467.5
Winona sand		
Clay	7.0	474.5
Rock	.3	474.8
Clay	9.9-	484.7
Rock	.3	485.0
Winona sand		
Sand and rock	54.2	539.2
Sand	24.1	563.3
Clay	15.2	578.5
Clay and rock	14.8	593.3
Sand	14.3	607.6
Rock, hard	.3	607.9
Sand	20.3	628.2
Rock, soft	.3	628.5
Clay	3.0	631.5
Rock	.2	631.7
Sand, soft	19.0	650.7
Clay	2.1	652.8
Basic City shale		
Sand streaked with clay	19.2	672.0

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet
Clay	38.3	710.3
Clay and shale	22.1	732.4
Sand, coarse	6.0	738.4
Clay	2.0	740.4
Sand, coarse	6.2	746.6
Clay, hard and gummy	41.3	787.9
Sand	5.0	792.9
Clay	6.0	798.9
Shale	14.2	813.1
Sand	10.0	823.1
Clay, hard	20.2	843.3
Shale	1.1	844.4
Sand, fine	4.0	848.4
Clay	7.0	855.4
Shale	8.2	863.6
Clay	4.0	867.6
Sand	26.1	893.7
Clay	3.0	896.7

TALLAHATCHIE COUNTY WELL 105, SW.1/4, NE.1/4, SEC.31, T.24 N., R.2 W.

W. O. Sheridan — Driller: T. B. Minyard
Altitude: 145.8 ft.

Alluvium	Thick. feet	Depth feet
Clay and sand	21.7	21.7
Sand	52.5	74.2
Gravel	23.2	97.4
Gravel, cemented	3.0	100.4
Gravel, coarse	151.7	252.1
Wautubbee clay		
Gumbo	34.2	286.3
Zilpha clay and Kosciusko sand		
Sand	17.0	303.3
Gumbo	56.3	359.6
Sand	12.0	371.6
Gumbo	12.1	383.7
Sand	22.3	406.0
Zilpha clay and Kosciusko sand		
Gumbo	23.1	429.1
Shale, hard	16.0	445.1
Gumbo	101.8	546.9
Winona sand		
Shale, hard	22.2	569.1
Rock	0.3	569.4
Sand	28.0	597.4
Rock, hard	1.8	599.2
Sand	29.5	628.7
Soapstone	20.3	649.0
Rock	0.8	649.8
Sand, hard	16.8	666.6
Rock, hard	10.1	676.7

TALLAHATCHIE COUNTY WELL 106, SE.1/4, SE.1/4, SEC.31, T.24 N., R.2 W.

J. A. Brown — Driller: C. M. Journey in 1938
Altitude: 142 ft.

Wautubbee clay	Thick. feet	Depth feet
Gumbo	21	21
Sand	66	87
Gravel	43	130
Gumbo	22	152
Sand	32	184
Gumbo	11	195
Sand	54	249
Gumbo	5	254
Sand	55	309
Gumbo	10	319
Sand	11	330
Gumbo	28	358
Sand	12	370
Sand and shale	22	392
Sand	92	484

TABLE 30—(Continued)

	Thick.	Depth
Zilpha clay	feet	feet
Gumbo	49	533
Winona sand		
Sand and rock	10	543
Shale	10	553
Rock	1	554
Sand	11	565
Shale	20	585
Gumbo	20	605
Sand	15	620
Rock	2	622
Sand	4	626
Sand and rock	21	647
Sand	7	654
Rock	2	656
Sand	11	667
Rock	2	669
Sand	8	677
Rock	1	678
Sand	11	689
Rock	1	690
Winona sand		
Sand	39	729
Basic City shale		
Gumbo	4	733
Shale	7	740
Sand	20	760
Gumbo	10	770
Sand	32	802
Gumbo	1	803
Sand	5	808
Shale	53	861
Sand	64	925
Gumbo	23	948
Sand	49	997
Gumbo	4	1001
Sand	10	1011
Sand	12	1023
Sand	33	1056
Gumbo	11	1067
Meridian sand		
Sand	72	1139

TALLAHATCHIE COUNTY WELL 107,SE.1/4, SW.1/4, SEC.33, T.24 N., R.2 W.

Clyde Booth
Altitude: 131 ft.

Driller: T. B. Minyard in 1918

	Thick.	Depth
Wautubbee clay	feet	feet
Clay	56.3	56.3
Sand	9.7	66.0
Gravel	57.8	123.8
Rock, soft	7.8	131.6
Gravel	8.0	139.6
Clay	14.0	153.6
Kosciusko sand		
Sand	326.8	480.4
Zilpha clay		
Clay	43.3	523.7
Winona sand		
Rock, soft	10.0	533.7
Sand	11.8	545.5
Rock, soft	8.0	553.5
Sand No. 3	19.8	573.3
Rock, clay	18.2	591.5
Winona sand		
Sand No. 3, hard	21.9	613.4
Sand No. 2, good	2.0	615.4
Rock	19.6	635.0
Sand	5.0	640.0
Clay	10.0	650.0
Sand No. 3	7.2	657.2
Sand	3.0	660.2
Rock	18.9	679.1
Sand	12.0	691.1
Rock	9.7	700.8
Basic City shale		
Sand	7.0	707.8
Clay	22.7	730.5
Sand	18.6	749.1
Clay	1.0	750.1
Sand	13.7	763.8

TABLE 30—(Continued)

TALLAHATCHIE COUNTY WELL 118a, NW.1/4, NW.1/4, SEC.4, T.23 N., R.1 E.

Ware Plantation
Altitude: 144 ft.

Driller: T. B. Minyard
in 1930

	Thick. feet	Depth feet
Alluvium		
Clay	8.0	8.0
Sand	68.7	76.7
Gravel	5.0	81.7
Sand	16.7	98.4
Gravel	3.0	101.4
Sand	3.9	105.3
Gravel	10.0	115.3
Kosciusko sand		
Hard gummy	33.2	148.5
Gummy	10.0	158.5
Sand	3.0	161.5
Gummy	7.0	168.5
Clay	10.0	178.5
Sand	3.0	181.5
Shale, hard and gummy	10.5	192.0
Gumbo	3.0	195.0
Sand	10.0	205.0
Hard gummy	8.7	213.7
Gummy	5.0	218.7
Sand	10.0	228.7
Gummy	6.0	234.7
Sand	10.3	245.0
Gummy	5.0	250.0
Sand	6.7	256.7
Zilpha clay		
Gummy	16.8	273.5
Hard gummy	21.8	295.3
Gummy	10.0	305.3
Winona sand		
Rock	1.1	306.4
Gummy	3.0	309.4
Rock	0.7	310.1
Gummy	1.0	311.1
Rock	0.5	311.6
Gummy	1.0	312.6
Rock	0.4	313.0
Gummy	2.0	315.0
Rock	0.3	315.3
Greensand	8.0	323.3
Winona sand		
Rock, soft	1.2	324.5
Sand	5.0	329.5
Clay	7.7	337.2
Sand	10.0	347.2
Gummy	4.0	351.2
Rock	0.5	351.7
Sand	1.0	352.7
Rock	0.8	353.5
Gummy	3.0	356.5
Sand	17.0	373.5
Rock	0.5	374.0
Gummy	2.0	376.0
Sand	2.7	378.7
Basic City shale		
Gummy	10.0	388.7
Rock	5.7	394.4
Gummy	4.0	398.4
Rock	1.4	399.8
Sand	10.0	409.8
Clay	9.8	419.6
Gummy	1.0	420.6
Rock	0.6	421.2
Gummy, hard crumbly	8.0	429.2
Rock	0.8	430.0
Gummy	3.0	433.0
Rock	0.4	433.4
Sand	4.0	437.4
Rock	0.3	437.7
Gummy	8.7	446.4
Sand	6.0	452.4
Gummy	10.8	463.2
Shale, hard	20.8	484.0
Gummy	21.8	505.8
Rock	2.0	507.8
Gummy, hard	12.0	519.8
Clay, hard	10.0	529.8
Shale	12.0	541.8
Sand	5.0	546.8
Shale, very loose	5.0	551.8

TABLE 30—(Continued)

Basic City shale	Thick. feet	Depth feet
Shale, hard	15.9	567.7
Sand	2.0	569.7
Shale, hard crumbly	4.0	573.7
Gummy, soft	5.0	578.7
Sand	2.0	580.7
Shale, soft	1.0	581.7
Sand, hard	1.3	583.0
Sand	24.8	607.8
Sand, hard	5.0	612.8
Gummy	5.0	617.8
Sand	2.0	619.8
Gummy	6.6	626.4
Sand	2.0	628.4
Gummy	3.3	631.7
Sand	2.0	633.7
Meridian sand		
Shale, hard	2.0	635.7
Sand	8.0	643.7
Gummy	2.3	646.0

Meridian sand	Thick. feet	Depth feet
Sand	3.9	649.9
Gummy	10.0	659.9
Rock, soft	3.0	662.9
Gummy	5.0	667.9
Sand	2.0	669.9
Gummy	1.1	671.0
Sand	6.8	677.8
Gummy	2.0	679.8
Sand	7.0	686.8
Crumbly	2.0	688.8
Sand	4.8	693.2
Gummy	1.2	694.4
Sand	18.2	712.6
Gummy	4.0	716.6
Sand	4.0	720.6
Gummy	8.0	728.6
Crumbly	2.0	730.6
Sand	81.0	811.6
Gummy	3.5	815.1

TALLAHATCHIE COUNTY WELL 171, NW.1/4, SW.1/4, SEC.21, T.22 N., R.1 E.

Phillip Stave Mill
Altitude: 140 ft.

Driller: C. M. Journey in 1931

Alluvium	Thick. feet	Depth feet
Soil and clay	20	20
Sand	40	60
Sand and gravel	99	159
Kosciusko sand		
Sand	48	207
Zilpha clay		
Clay	65	272
Winona sand		
Streaks of rock and clay	19	291
Shale, sandy	9	300
Rock	2	302

Winona sand	Thick. feet	Depth feet
Sand	32	334
Rock	1	335
Sand	7	342
Rock	2	344
Sand	20	364
Rock	2	366
Sand	8	374
Basic City shale		
Clay	66	440
Sand	43	483
Clay	66	549
Sand	64	613

TABLE 30—(Continued)

TUNICA COUNTY WELL 6, NW.1/4, NE.1/4, SEC.21, T.3 S., R.11 W.

Mrs. L. Andrews — Driller: T. B. Minyard
Altitude: 198 ft.

	Thick. feet	Depth feet
Alluvium		
Clay	6.0	6.0
Sand	95.3	101.3
Gravel	83.5	184.8
Yazoo clay		
Clay	49.6	234.4
Kosciusko sand		
Sand	10.8	245.2
Clay	5.0	250.2
Sand	60.4	310.6
Clay	15.0	325.6
Sand, hard	164.4	490.0
Basic City shale		
Clay	160.7	650.7
Sand	7.0	657.7
Clay	7.0	664.7
Sand	52.6	717.3
Clay	11.0	728.3
Sand	14.5	742.8
Clay	10.3	753.1
Sand	30.3	783.4
Clay	7.0	790.4
Sand	11.1	801.5
Clay	12.3	813.8
Meridian sand		
Sand, hard	81.6	895.4
Clay	1.7	897.1
Sand	105.3	1002.4
Clay	10.0	1012.4
Sand, hard	50.3	1062.7
Clay	3.0	1065.7
Meridian sand		
Sand, hard	47.7	1113.4
Clay	8.0	1121.4
Sand, hard	46.9	1168.3
Clay	7.0	1175.3
Sand, hard	10.0	1185.3
Wilcox		
Clay	16.2	1201.5
Rock	0.6	1202.1
Clay	16.1	1218.2
Rock	0.5	1218.7
Clay	7.0	1225.7
Rock	0.6	1226.3
Sand	9.3	1235.6
Clay	20.9	1256.5
Sand	7.0	1263.5
Rock	11.1	1274.6
Clay	124.3	1398.9
Rock	0.5	1399.4
Clay	23.2	1422.6
Rock	0.3	1422.9
Clay	36.8	1459.7
Rock, hard	0.3	1460.0
Clay	72.3	1532.3
Rock, soft	1.5	1533.8
Clay	12.0	1545.8
Lower Wilcox sand		
Sand, hard	50.5	1596.3
Rock	0.6	1596.9
Shale, hard	24.9	1621.8
Sand	58.5	1680.3

TUNICA COUNTY WELL 9, NE.1/4, NW.1/4, SEC.18, T.4 S., R.11 W.

G. D. Perry, Sr. — Driller: T. B. Minyard in 1920
Altitude: 193 ft.

	Thick. feet	Depth feet
Alluvium		
Soil and clay	24.0	24.0
Sand, blue	41.8	65.8
Gravel	9.7	75.5
Sand and gravel	21.0	96.5
Gravel	99.8	196.3
Jackson		
Clay	17.2	213.5
Sand and clay	20.6	234.1
Clay	10.0	244.1
Sand	6.0	250.1
Clay	93.4	343.5

TABLE 30—(Continued)

	Thick.	Depth
Kosciusko sand	feet	feet
Sand	223.5	567.0
Clay	49.6	616.6
Sand	20.2	636.8
Basic City shale		
Clay	77.7	714.5
Sand	101.1	815.6
Clay	16.4	832.0
Sand	12.6	844.6
Clay	6.0	850.6
Sand	4.0	854.6
Clay	89.0	943.6
Meridian sand		
Sand	35.8	1176.9
Clay	2.0	1178.9
Sand	16.7	1195.6
Shale	22.4	1218.0
Sand	25.3	1243.3
Meridian sand		
Clay	3.0	1246.3
Sand	35.8	1282.1
Wilcox		
Clay	102.9	1385.0
Shale	6.0	1391.0
Clay	93.3	1484.3
Rock	.3	1484.6
Sand	4.0	1488.6
Clay	88.6	1577.2
Shale	4.0	1581.2
Sand	5.4	1586.6
Clay	55.0	1641.6
Sand	3.6	1645.2
Clay	13.0	1658.2
Rock	2.6	1660.8
Clay	14.2	1675.0
Sand	90.3	1765.3

TUNICA COUNTY WELL 13a, SW.1/4, NE.1/4, SEC.32, T.4 S., R.11 W.

Planters Mill Co. Driller: T. B. Minyard
Altitude: 197.5 ft.

	Thick.	Depth
Alluvium	feet	feet
Soil	20.0	20.0
Sand	5.1	25.1
Clay	27.9	53.0
Sand	43.3	96.3
Gravel	10.3	106.6
Sand	15.0	121.6
Gravel	15.7	137.3
Rock, soft	.5	137.8
Gravel	22.2	160.0
Rock	11.1	171.1
Yazoo clay		
Sand	5.0	176.1
Rock	.4	176.5
Clay	112.4	288.9
Kosciusko sand		
Sand	51.2	340.1
Clay	43.6	383.7
Sand	12.0	395.7
Shale, sandy	41.0	436.7
Sand	50.5	487.2
Clay gumbo	6.0	493.2
Sand	6.8	500.0

TUNICA COUNTY WELL 27, SW.1/4, NE.1/4, SEC.18, T.6 S., R.12 W.

Norfleet-Midland Plantation Driller: T. B. Minyard
Altitude: 182.8 ft. in 1925

	Thick.	Depth
Alluvium	feet	feet
Soil	20.0	20.0
Sand	69.7	89.7
Gravel	41.8	131.5
Yazoo clay		
Clay	72.9	204.4
Sand	6.2	210.6
Clay	23.2	233.8

TABLE 30—(Continued)

	Thick. feet	Depth feet
Yazoo clay		
Sand	10.0	243.8
Clay	7.0	250.8
Sand	53.6	304.4
Wautubbee (?) clay		
Clay	10.2	314.6
Sand	6.0	320.6
Clay	41.0	361.6
Sand	11.0	372.6
Clay	11.0	383.6
Shale	24.0	407.6
Kosciusko sand		
Sand	188.2	595.8
Clay	46.5	642.3
Sand	6.0	648.3
Clay	5.2	653.5
Basic City shale		
Rock, medium	.5	654.0
Clay	20.0	674.0
Rock, medium	.5	674.5
Clay	16.9	691.4
Rock, soft	1.0	692.4
Clay	20.0	712.4
Rock, medium	.8	713.2
Clay	33.7	746.9
Basic City shale		
Sand	26.7	773.6
Shale	8.2	781.8
Sand streaked with clay	20.2	802.0
Sand	6.0	808.0
Clay and shale	14.7	822.7
Clay	1.0	823.7
Clay and sand	40.5	864.2
Sand	23.6	887.8
Clay	8.0	895.8
Sand	10.7	906.5
Clay	33.9	940.4
Meridian sand		
Sand	35.2	975.6
Clay	24.3	999.9
Sand	1.9	1001.8
Clay	10.0	1011.8
Sand	20.2	1032.0
Clay	2.0	1034.0
Sand	35.5	1069.5
Clay	18.0	1087.5
Sand	5.0	1092.5
Clay	17.5	1110.0
Sand	115.7	1225.7

WARREN COUNTY WELL 1, NE.1/4, SW.1/4, SEC.18, T.18 N., R.5 E.

N. Simrall
Altitude: 115 ft.

Driller: C. M. Journey in 1938

	Thick. feet	Depth feet
Loam	22	22
Muck	14	36
Shale	9	45
Sand	11	56
Yazoo clay		
Gumbo	587	643
Shale	44	687
Gumbo	26	713
Moodys Branch marl (?)		
Fine sand	30	743
Cockfield formation		
Sand and shale	77	820
Gumbo	24	844
Sand	26	870
Gumbo	10	880
Sand	12	892
Gumbo	10	902
Sand	12	914
Sandy shale	16	930
Sandy marl	81	1011
Sand	65	1076

TABLE 30—(Continued)

WARREN COUNTY WELL 2, NE.1/4, SE.1/4, SEC.31, T.18 N., R.2 E.

T. M. Morrissey
Altitude: 97 ft.

Driller: C. M. Journey in 1938

	Thick. feet	Depth feet
Alluvium		
Clay	28.0	28.0
Sand	83.0	111.0
Gravel	51.0	162.0
Yazoo clay		
Gumbo	36.0	198.0
Shale	22.0	220.0
Gumbo	293.0	513.0
Cockfield formation		
Sand	130.0	643.0
Gumbo	10.0	653.0
Shale	14.0	667.0
Sand	28.0	695.0
Shale	2.0	697.0
Sand	20.0	717.0
Gumbo	13.0	730.0
Rock	1.2	731.2
Gumbo	6.0	737.2
Sand	103.0	840.2
Gumbo	36.0	876.2
Sand	50.0	926.2
Rock	0.8	927.0
Shale	5.0	932.0
Sand	129.0	1061.0
Brown sand	21.0	1082.0
Sand	56.0	1138.0
Wautubbee clay		
Gumbo	34.0	1172.0
Rock	1.5	1173.5
Gumbo	10.0	1183.5
Rock	1.3	1184.8
Gumbo	14.0	1198.8
Rock	0.8	1199.6
Gumbo	6.0	1205.6
Rock	0.7	1206.3
Shale	13.0	1219.3
Gumbo	29.0	1248.3
Rock	1.2	1249.5
Gumbo	37.0	1286.5
Kosciusko sand		
Rock	1.3	1287.8
Gumbo	2.0	1289.8
Rock	1.0	1290.8
Sand	14.0	1304.8
Rock	0.7	1305.5
Sand	5.0	1310.5
Rock	1.1	1311.6
Sand	20.0	1331.6
Rock	0.7	1332.3
Sand	11.0	1343.3
Shale	4.0	1347.3
Sand	12.0	1359.3
Rock	1.4	1360.7
Gumbo	17.0	1377.7
Shale	13.0	1390.7
Sand	21.0	1411.7
Gumbo	4.0	1415.7
Sand	29.0	1444.7
Gumbo	7.0	1451.7
Rock	0.7	1452.4
Gumbo	4.0	1456.4
Sand	6.0	1462.4
Gumbo	37.0	1499.4
Rock	0.6	1500.0
Gumbo	3.0	1503.0
Sand	15.0	1518.0
Gumbo	6.0	1524.0
Rock	0.7	1524.7
Gumbo	3.0	1527.7
Rock	1.3	1529.0
Gumbo	16.0	1545.0
Rock	0.8	1545.8
Gumbo	57.0	1602.8
Rock	0.8	1603.6
Gumbo	26.0	1629.6
Shale	22.0	1651.6
Gumbo	2.0	1653.6
Shale	4.0	1657.6
Sand	22.0	1679.6
Gumbo	7.0	1686.6
Sand	5.0	1691.6

TABLE 30—(Continued)

Kosciusko sand	Thick. feet	Depth feet
Rock	2.1	1693.7
Sand	2.0	1695.7
Gumbo	3.0	1698.7
Sand	7.0	1705.7
Kosciusko sand		
Gumbo	3.0	1708.7
Sand	5.0	1713.7
Gumbo	2.0	1715.7
Sand	35.0	1750.7

WARREN COUNTY WELL 3, NE.1/4, SE.1/4, SEC.4, T.17 N., R.5 E.

Oak Ridge School — Driller: C. M. Journey in 1939

Terrace deposits	Thick. feet	Depth feet
Top soil and clay	27	27
Gravel	27	54
Gumbo	32	86
Fine sand	5	91
Yazoo clay		
Shale	119	210
Gumbo and rock	90	300
Shale	285	585
Cockfield formation		
Gumbo and rock	125	710
Shale	350	1060
Gumbo and rock	45	1105
Shale and rock	95	1200
Wautubbee clay		
Gumbo sticky	141	1341
Kosciusko sand		
Shale	79	1420
Water sand	114	1534

WARREN COUNTY WELL 8, NE.1/4, NW.1/4, SEC.17, T.16 N., R.4 E.

Caulkin Academy — Driller: C. M. Journey in 1933

Terrace deposits	Thick. feet	Depth feet
Clay	21.0	21.0
Clay, silty	19.0	40.0
Clay	11.0	51.0
Gumbo	8.0	59.0
Clay	37.0	96.0
Gumbo	19.0	115.0
Forest Hill sand		
Shale	2.0	117.0
Rock	0.8	117.8
Shale	3.2	121.0
Rock, hard	1.3	122.3
Shale	1.7	124.0
Shale, hard	1.0	125.0
Shale	4.0	129.0
Rock, soft	3.0	132.0
Shale and sand	8.0	140.0
Rock, hard	14.0	154.0
Sand	5.0	159.0
Forest Hill sand		
Shale, sandy	28.0	187.0
Shale	18.0	205.0
Sand, some gravel	2.0	207.0
Sand	3.0	210.0
Shale	53.0	263.0
Gumbo	4.0	267.0
Shale, gummy	18.0	285.0
Rock	1.0	286.0
Sand	1.0	287.0
Rock, hard	1.5	288.5
Gravel	3.4	291.9
Shale, hard	3.0	294.9
Marl	6.0	300.9
Sandstone	4.0	304.9
Shale	16.0	320.9
Shale and limestone	4.0	324.9
Marl	15.0	339.9
Gumbo	3.0	342.9

TABLE 30—(Continued)

Forest Hill sand	Thick. feet	Depth feet
Shale	35.0	377.9
Sand	5.0	382.9
Shale, sandy	19.0	401.9
Sand	10.0	411.9
Gumbo	2.0	413.9
Sand	33.0	446.9
Yazoo clay		
Sand and interbedded shale	13.0	459.9
Shale, blue	276.0	735.9
Gumbo, blue	86.0	821.9
Shale, gummy blue	21.5	843.4
Shale blue	43.5	886.9
Blue shale, hard and gummy	21.0	907.9
Blue shale, hard layers	21.0	928.9
Moodys marl (?)		
Blue shale, hard	74.0	1002.9
Rock	3.0	1005.9
Shale	4.0	1009.9
Sand, fine	5.0	1014.9
Interbedded sand and shale	30.0	1044.9
Cockfield formation		
Rock	0.7	1045.6
Interbedded sand and shale	11.3	1056.9
Shale, hard	21.0	1077.9
Interbedded sand and shale	22.0	1099.9
Sand and interbedded thin layers of shale	21.0	1120.9
Sand	15.0	1135.9

WASHINGTON COUNTY WELL 8, SE.1/4, SE.1/4, SEC.18, T.19 N., R.8 W.

T. H. Golding
Altitude: 133.1 ft.

Driller: Kenneth Journey in 1941

Alluvium	Thick. feet	Depth feet
Gumbo	43.2	43.2
Sand	42.4	85.6
Gravel	21.2	106.8
Yazoo clay		
Gumbo	30.4	137.2
Rock	12.0	149.2
Gumbo	42.4	191.6
Yazoo clay		
Shale	42.5	234.1
Gumbo	21.0	255.1
Rock	0.3	255.4
Shale	42.5	297.9
Gumbo	42.5	340.4
Cockfield formation		
Sand	126.2	466.6

WASHINGTON COUNTY WELL 15, SW.1/4, SW.1/4, SEC.20, T.19 N., R.6 W.

W. C. Neill
Altitude: 118.2 ft.

Driller: T. B. Minyard in 1925

Alluvium	Thick. feet	Depth feet
Soil and clay	10.0	10.0
Sand	69.5	79.5
Gravel	85.5	165.0
Gravel and sand	20.4	185.4
Sand	40.0	225.4
Jackson		
Soapstone	26.1	251.5
Cockfield formation		
Sand	84.8	336.3
Soapstone	4.0	340.3
Sand, hard	70.3	410.6
Sand and thin strata of hard soapstone	20.5	431.1
Sand, hard	61.9	493.0

TABLE 30—(Continued)

Cockfield formation	Thick. feet	Depth feet
Sand and soapstone, alternating thin strata	41.0	534.0
Shale	20.3	554.3
Sand, hard	78.0	632.3
Shale, hard sandy	20.3	652.6
Sand, hard	46.9	699.5
Soapstone	4.0	703.5
Wautubbee clay		
Sand, hard	12.3	715.8
Shale	3.0	718.8
Sand	7.4	726.2
Shale, hard	19.4	745.6
Soapstone, hard gummy	101.7	847.3
Kosciusko sand		
Sand, hard	40.4	887.7
Soapstone, hard gummy	33.3	921.0
Shale, hard	10.0	931.0
Sand, hard	26.4	957.4
Soapstone	7.0	964.4
Rock, hard	2.3	966.7
Soapstone, hard gummy	37.0	1003.7

Kosciusko sand	Thick. feet	Depth feet
Sand, hard	6.6	1010.3
Soapstone and thin strata of sand	19.9	1030.2
Soapstone, hard	16.0	1046.2
Rock, hard	2.6	1048.8
Soapstone and thin strata of sand	19.5	1068.3
Sand, hard	38.5	1106.8
Soapstone	10.0	1116.8
Sand, hard	58.5	1175.3
Soapstone	13.0	1188.3
Sand and gummy soapstone	3.8	1192.1
Sand, hard	19.8	1211.9
Soapstone	14.0	1225.9
Sand, hard gummy	0.7	1226.6
Shale	7.0	1233.6
Rock	2.2	1235.8
Sand, hard, or shale	14.0	1249.8
Soapstone, hard gummy	5.0	1254.8
Soapstone shale and thin strata of gumbo	12.7	1267.5

WASHINGTON COUNTY WELL 15a, NW.1/4, SW.1/4, SEC.29, T.19 N., R.6 W.

J. R. Brown
Altitude: 118 ft.

Driller: Delta Drilling Co. in 1939

Alluvium	Thick. feet	Depth feet
Gumbo	18	18
Sand	45	63
Gravel	1	64
Sand	16	80
Sand and gravel	20	100
Sand	10	110
Gravel	8	118
Gumbo	2	120

Alluvium	Thick. feet	Depth feet
Gravel	48	168
Yazoo clay		
Gumbo	72	240
Gumbo and sand	20	260
Gumbo	160	420
Cockfield formation		
Sand	83	503

TABLE 30—(Continued)

WASHINGTON COUNTY WELL 17a, NE.1/4, NE.1/4, SEC.9, T.18 N., R.7 W.

Walker Dairy — Driller: Kenneth Journey
Altitude: 118 ft.

	Thick. feet	Depth feet
Alluvium		
Top soil	22.6	22.6
Sand	31.2	53.8
Gravel	2.0	55.8
Unreported	9.6	65.4
Sand, hard	12.0	77.4
Jackson		
Gumbo	7.3	84.7
Gumbo, hard	14.0	98.7
Sand	1.0	99.7
Gumbo, hard	8.3	108.0
Shale, sandy	26.6	134.6
Gumbo	3.0	137.6
Sand	10.0	147.6
Gumbo	5.4	153.0
Shale, hard	4.0	157.0
Gumbo, gummy	16.9	173.9
Shale, sandy	4.0	177.9
Gumbo, hard	2.0	179.9
Shale, sandy with gumbo streaks	0.3	180.2
Unreported	11.0	191.2
Gumbo, gummy	5.0	196.2
Sand with gumbo streaks	4.0	200.2
Gumbo, gummy	5.0	205.2
Shale	0.8	206.0
Gumbo	5.0	211.0
Sand	5.2	216.2
Gumbo, gummy	2.0	218.2
Shale, hard sandy	8.0	226.2
Jackson		
Gumbo, gummy	17.4	243.6
Shale, sandy with sandy streaks	8.4	252.0
Gumbo	2.0	254.0
Sand	2.1	256.1
Shale with gumbo streaks	18.0	274.1
Gumbo, gummy	2.0	276.1
Shale	4.0	280.1
Sand	9.0	289.1
Gumbo, hard	2.0	291.1
Shale, gummy	9.1	300.2
Shale, gummy with sand streaks	22.0	322.2
Gumbo	22.2	344.4
Gumbo (Kelly)	13.0	357.4
Gumbo	1.0	358.4
Rock	1.0	359.4
Gumbo	34.6	394.0
Rock, hard	4.0	398.0
Sand or shale	3.0	401.0
Sand	0.5	401.5
Gumbo	0.4	401.9
Sand	3.0	404.9
Gumbo	1.0	405.9
Sand	6.0	411.9
Gumbo	1.0	412.9
Unreported	5.5	418.4
Cockfield formation (?)		
Sand	42.0	460.4

WASHINGTON COUNTY WELL 25, SW.1/4, SW.1/4, SEC.10, T.18 N., R.6 W.

Wagner Plantations — Driller: T. B. Minyard in 1937
Altitude: 122.9 ft.

	Thick. feet	Depth feet
Alluvium		
Clay	16.0	16.0
Sand	57.7	73.7
Gravel	7.5	81.2
Sand	4.0	85.2
Alluvium		
Gravel	52.6	137.8
Sand	3.0	140.8
Gravel	29.9	170.7
Sand	13.1	183.8

TABLE 30—(Continued)

	Thick.	Depth
Jackson	feet	feet
Rock, soft	12.8	196.6
Gumbo	17.5	214.1
Sand	3.0	217.1
Cockfield formation		
Rock, soft	3.0	220.1
Sand	37.7	257.8
Rock, soft	5.0	262.8
Sand	24.5	287.3
Gumbo	2.0	289.3
Sand, hard	197.1	486.4
Shale, hard	8.0	494.4
Sand	11.2	505.6
Shale, hard	10.0	515.6
Sand	48.3	563.9
Gumbo	6.2	570.1
Sand	81.8	651.9
Shale, hard	10.0	661.9
Sand	14.3	676.2
Shale	6.0	682.2
Sand	44.1	726.3
Gumbo	3.0	729.3
Sand	21.0	750.3
Wautubbee clay		
Rock, soft	5.0	755.3
Sand	2.0	757.3
Gumbo shale	5.0	762.3
Sand	26.9	789.2
Gumbo	2.0	791.2
Sand	8.7	799.9
Gumbo shale and sand	36.8	836.7
Shale gumbo	17.3	854.0
Sand	4.0	858.0
Gumbo	2.0	860.0
Sand	3.0	863.0
Gumbo shale	29.4	892.4
Kosciusko sand		
Sand	11.7	904.1
Gumbo shale	2.0	906.1
Sand	28.2	934.3
Gumbo shale	7.3	941.6
Sand	34.0	975.6
Gumbo shale	7.4	983.0
Kosciusko sand	21.3	1004.3
Sand	29.0	1033.3
Gumbo	0.4	1033.7
Rock	23.2	1056.9
Sand	2.0	1058.9
Gumbo	44.8	1103.7
Sand	2.0	1105.7
Gumbo	63.3	1169.0
Sand	8.0	1177.0
Gumbo	26.1	1203.1
Sand	21.0	1224.1
Sand	2.0	1226.1
Gumbo	37.3	1263.4
Sand	8.0	1271.4
Shale, hard	18.7	1290.1
Sand		
Zilpha clay		
Gumbo shale	56.0	1346.1
Rock, hard	0.8	1346.9
Gumbo shale	87.5	1434.4
Winona sand and Basic City shale		
Rock, hard	4.0	1438.4
Sand, green	5.0	1443.4
Rock, hard and sand	3.7	1447.1
Sand	2.0	1449.1
Rock and sand	9.5	1458.6
Gumbo shale and sand	74.7	1533.3
Sand, green	4.0	1537.3
Rock, hard	1.2	1538.5
Sand, green	10.8	1549.3
Gumbo	3.0	1552.3
Gumbo shale	21.7	1574.0
Sand	26.0	1600.0
Rock, hard	3.6	1603.6
Gumbo	3.0	1606.6
Sand	16.7	1623.3
Gumbo	5.0	1628.3
Shale	3.6	1631.9
Sand, hard	9.0	1640.9
Gumbo shale	2.0	1642.9
(No description)	17.7	1660.6

TABLE 30—(Continued)

WASHINGTON COUNTY WELL 30, SW.1/4, SE.1/4, SEC.18, T.18 N., R.7 W.

Mr. N. H. Hayes
Altitude: 115 ft.

Driller: C. M. Journey in 1937

	Thick. feet	Depth feet
Alluvium		
Clay	22.2	22.2
Sand, gummy	13.0	35.2
Sand	34.4	69.6
Gravel	14.6	84.2
Jackson		
Clay, hard crumbly	43.8	128.0
Sand	32.4	160.4
Clay, crumbly	3.0	163.4
Rock, hard	1.8	165.2
Jackson		
Sand	32.9	198.1
Clay, crumbly	27.4	225.5
Rock, soft	1.1	226.6
Clay, crumbly	30.3	256.9
Sand	29.5	286.4
Clay, crumbly	155.0	441.4
Cockfield formation (?)		
Sand	25.6	467.0
Clay, crumbly	21.4	488.4

WASHINGTON COUNTY WELL 35, ALEXANDER STREET & RAILROAD, GREENVILLE

Itzig
Altitude: 137 ft.

Driller: T. B. Minyard in 1937

	Thick. feet	Depth feet
Alluvium		
Clay	5.0	5.0
Sand	4.0	9.0
Gumbo	17.0	26.0
Sand	2.0	28.0
Gumbo	3.0	31.0
Sand	44.7	75.7
Gravel	27.1	102.8
Sand	8.7	111.5
Jackson		
Clay, hard crumbly	18.0	129.5
Clay	28.7	158.2
Cockfield formation		
Sand	8.0	166.2
Sand, hard	33.4	199.6
Sand	4.0	203.6
Rock, hard	0.3	203.9
Sand	52.4	256.3
Clay	6.0	262.3
Cockfield formation		
Sand	50.5	312.8
Clay	13.0	325.8
Sand	4.0	329.8
Clay	6.4	336.2
Sand	2.0	338.2
Sand, coarse	5.0	343.2
Clay	3.0	346.2
Rock, hard	0.2	346.4
Unreported	15.0	361.4
Clay	4.0	365.4
Rock	0.1	365.5
Unreported	18.2	383.7
Clay	26.2	409.9
Rock, hard	0.5	410.4
Clay	3.0	413.4
Sand	4.0	417.4
Clay	1.0	418.4
Sand	67.4	485.8

TABLE 30—(Continued)

WASHINGTON COUNTY WELL 40, NW.1/4, NE.1/4, SEC.23, T.18 N., R.8 W.

Greenville Dairy Products
Altitude: 127 ft.

Driller: Kenneth Journey in 1941

	Thick. feet	Depth feet
Alluvium		
Gumbo	17.0	17.0
Sand	61.6	78.6
Gravel	5.1	83.7
Sand	4.0	87.7
Gravel	2.0	89.7
Sand	3.0	92.7
Gravel	1.0	93.7
Jackson		
Sand	4.0	97.7
Gumbo, hard	49.0	146.7
Gumbo	6.0	152.7
Shale	24.2	176.7
Gumbo	4.0	180.7
Shale	16.8	197.5
Jackson		
Gumbo, gummy with shale streaks	30.7	228.2
Shale	4.0	232.2
Gumbo, hard	5.0	237.2
Sand	6.0	243.2
Shale, gummy	19.1	262.3
Shale, sandy	11.1	273.4
Gumbo, gummy with shale streaks	14.0	287.4
Cockfield formation		
Sand	31.1	318.5
Gumbo, hard	10.0	328.5
Sand	115.2	443.7

WASHINGTON COUNTY WELL 44, NW.1/4, SW.1/4, SEC.23, T.18 N., R.6 W.

W. H. Neill & Sons
Altitude: 127.4 ft.

Driller: T. B. Minyard in 1925

	Thick. feet	Depth feet
Alluvium		
Soil and clay	22.2	22.2
Sand	51.4	73.6
Gravel	108.7	182.3
Jackson		
Sand and boulders	20.2	202.5
Sand	17.1	219.6
Soapstone, hard	28.7	248.3
Cockfield formation		
Sand, hard	153.5	401.8
Soapstone and sand, alternating strata	40.1	441.9
Sand	61.6	503.5
Sand and soapstone, alternating strata	19.8	523.3
Sand, hard	185.3	708.6
Soapstone and sand	17.9	726.5
Sand	14.0	740.5
Soapstone	7.0	747.5
Soapstone and sand, alternating strata	41.4	788.9
Cockfield formation		
Soapstone, hard	62.9	851.8
Sand and thin strata of hard gummy soapstone	20.6	872.4
Soapstone	3.0	875.4
Sand, hard	49.1	924.5
Wautubbee clay		
Soapstone	21.2	945.7
Shale	13.3	959.0
Rock	1.0	960.0
Shale and hard sand	35.6	995.6
Sand, hard	5.0	1000.6
Soapstone, hard gummy	38.8	1039.4
Shale	10.0	1049.4
Kosciusko sand		
Sand	4.0	1053.4
Soapstone, hard	5.6	1059.0
Shale, hard sandy	19.4	1078.4

TABLE 30—(Continued)

	Thick.	Depth
Kosciusko sand	feet	feet
Soapstone	6.0	1084.4
Sand, hard	32.6	1117.0
Soapstone, hard	18.7	1135.7
Sand, hard	41.6	1177.3
Shale	28.9	1206.2
Sand	9.7	1215.9
Shale, sandy	21.5	1237.4
Soapstone, hard	20.6	1258.0
Shale	2.0	1260.0
Sand	16.0	1276.0
Zilpha clay		
Clay, hard gummy	165.1	1441.1
Winona sand and		
Basic City shale		
Rock	4.5	1445.6
Sand, hard	4.0	1449.6
Rock	0.6	1450.2
Soapstone	5.0	1455.2
Rock	2.5	1457.7
Soapstone	6.0	1463.7
Winona sand and		
Basic City shale		
Shale	1.6	1465.3
Soapstone shale, hard gummy	62.7	1528.0
Sand	16.0	1544.0
Shale	10.1	1554.1
Soapstone, hard	26.9	1581.0
Rock	2.5	1583.5
Sand	11.9	1595.4
Soapstone	6.0	1601.4
Sand	9.0	1610.4
Soapstone	8.0	1618.4
Rock, soft	0.6	1619.0
Sand	30.0	1649.0
Rock	0.5	1649.5
Sand	30.4	1679.9
Shale	4.0	1683.9
Soapstone	2.0	1685.9
Not reported	4.8	1690.7

WASHINGTON COUNTY WELL 45a, CENTER NE.1/4, SEC.33, T.18 N., R.8 W.

Marvin Rosenberg — Driller: Kenneth Journey in 1941

	Thick.	Depth
Alluvium	feet	feet
Gumbo	5.0	5.0
Loam, sandy	10.0	15.0
Sand	6.0	21.0
Loam, sandy	16.0	37.0
Sand	42.5	79.5
Gravel	4.2	83.7
Jackson		
Clay, hard	36.0	119.7
Shale, hard	45.5	165.2
Jackson		
Gumbo	5.0	170.2
Shale	34.1	204.3
Sand	1.0	205.3
Shale	20.3	225.6
Gumbo	6.0	231.6
Cockfield formation		
Sand, hard	14.2	245.8
Sand	124.3	370.1

WASHINGTON COUNTY WELL 45b, NE.1/4, NE.1/4, SEC.32, T.18 N., R.8 W.

Gooch Lumber Co. — Driller: T. B. Minyard in 1926
Altitude: 118 ft.

	Thick.	Depth
Alluvium	feet	feet
Sand	66.8	66.8
Sand and gravel	33.7	100.5
Jackson		
Soapstone	54.4	154.9
Streaks sand and soapstone	42.7	197.6

TABLE 30—(Continued)

	Thick.	Depth
Jackson	feet	feet
Sand and soapstone	17.7	215.3
Soapstone	36.1	251.4
Cockfield formation		
Sand, hard	26.4	277.8
Soapstone	18.8	296.6
Sand and soapstone	10.2	306.8
Shale	3.0	309.8
Sand	28.9	338.7
Cockfield formation		
Sand and rock	11.4	350.1
Soapstone	11.0	361.1
Sand	19.9	381.0
Soapstone	14.3	395.3
Sand	16.0	411.3
Soapstone	5.6	416.9
Sand	85.6	502.5
Soapstone	10.0	512.5

WASHINGTON COUNTY WELL 46a, CENTER SEC.16, T.17 N., R.9 W.

P. L. Bell — Driller: C. M. Journey in 1936
Altitude: 125 ft.

	Thick.	Depth
Alluvium	feet	feet
Gumbo	17	17
Sand	37	54
Gravel	11	65
Sand	23	88
Jackson		
Gumbo	3	91
Sand, rock	2	93
Gumbo	29	122
Sand	29	151
Gumbo	69	220
Rock	1	221
Jackson		
Gumbo	13	234
Rock	1	235
Gumbo	33	268
Cockfield formation		
Sand, shale	24	292
Gumbo	17	309
Sand	63	372
Gumbo	6	378
Sand	6	384
Gumbo	13	397
Sand	42	439

WASHINGTON COUNTY WELL 48b, NE.1/4, NW.1/4, SEC.7, T.17 N., R.8 W.

E. H. Fisher — Driller: Charles Perkins in 1939
Altitude: 115 ft.

	Thick.	Depth
River alluvium	feet	feet
Shale, gummy	55	55
Sand, gravel, lignite. The grains are quartz, chert, minor felsite. The variety of color is a distinguishing feature	40	95
Yazoo clay		
Shale, tough blue; glauconitic and fossiliferous	21	116
Sand and shale, interbedded, considerable pyrite	66	182
Shale, gummy; shell fragments and light gray; green glauconite	19	201
Shale and boulders gummy; marl, light gray	21	222
Moodys marl(?)		
Shale, gummy and slightly calcareous; gravel	43	265
Cockfield formation		
Shale and sand, brown; minor lignite and calcite	23	288

TABLE 30—(Continued)

Cockfield formation	Thick. feet	Depth feet
Sand; mostly quartz and chert; a few grains of igneous rocks may be contamination from the river alluvium	22	310
Sand	23	333
Sand, largely quartz and chert	21	354
Sand	22	376
Sand, medium grained; nearly all quartz; minor muscovite and black chert	45	421
Shale, light gray; sand as above	23	444
Shale, gray and slightly lignitic	22	466
Sand, medium grained; composed of quartz and dark chert; shale, gray and slightly lignitic	24	490
Shale, light gray; sand, clean, of moderate-sized grains	23	513
Sand, clean quartz and chert; larger grains are well rounded	45	558
Sand, same as above but nearly all quartz; some dark glauconite	23	581
Sand, medium fine evenly grained; minor lignite and chert	22	603
Sand, same as above; fine grained	42	645
Shale, brown; small lumps of kaolinitic clay	22	667
Shale, brown	21	688
Sand, packed; fine and evenly grained; white quartz	42	730
Shale, brown; 4 feet fine grained sandstone in shale	19	749
Sand, packed; fine and evenly grained white quartz; minor pyrite, glauconite, lignite	20	769
Sand;packed	44	813
Sandstone, hard; numerous grains of pyrite and marcasite	22	835
Sand, hard; same but more white quartz	22	857
Sand and sandstone; same as above	21	878
Sand, hard	44	922
Sand, hard	22	944
Shale, gray, slightly gritty but tenacious	13	957
Shale, gray	17	974
Clay, light gray; some is kaolinitic; other fragments are darker; interbedded sand is fine grained quartz; minor calcite and chert	21	995
Shale, blue; sand, fine grained	20	1015
Shale, brown; sand, fine grained, near silt; some biotite, possible some bentonite	40	1055
Sand, fine grained white quartz; minor glauconite carbonates, muscovite	60	1115
Shale and interbedded fine-grained white quartz sand	21	1136
Sand and interbedded shale	23	1159
Sand, fine-grained white quartz; minor glauconite and muscovite	6	1165
Sandstone	1	1166

TABLE 30—(Continued)

	Thick. feet	Depth feet
Wautubbee clay		
Sand; partly cemented with carbonate; some coarse grains of quartz	17	1183
Sandstone, light gray, sandy calcareous; 3 feet at 1190; shale, light gray, nearly white and dark gray somewhat waxy in appearance	20	1203
Shale	20	1223
Kosciusko sand		
Sand, fine grained; shale dark gray; rock at 1228'	19	1242
Sand and dark gray shale	20	1262
Shale, dark gray	21	1283
Shale, contains pyrite concretions	21	1304
Shale, blue; gray; sample missing	22	1326
Shale, brown and blue; sample missing	19	1345
Shale, brown; sand; chalk, interbedded; sample missing	22	1367
Sand, chalk and shale; sample missing	22	1389
Zilpha clay		
Shale, gray brown and micaceous; contains shell fragments; sand	21	1410
Sand; shale, brown, carbonaceous; some light gray clay	33	1443
Shale, gray; minor glauconite, distinctively dark	21	1464
Shale, calcareous	21	1485
Winona-Basic City		
Shale, brown, chalk reported	21	1506
Shale, brown, calcareous	20	1526
Shale, brown; shell fragments; glauconite dark	21	1547
Shale, abundantly fossiliferous; 5' sand; 4' 8" rock shale; 6" rock	21	1568
Rock, chalk, sand, rock, brown shale, marl from 1580' contains considerable glauconite	20	1588
Shale, brown; marl; sand; glauconitic calcareous clay. Glauconite is dark in ovid pellets	21	1609
Sand, shale, and chalk same as above with more glauconite	21	1630
Sand, fine grained; contains abundant glauconite	42	1672
Shale; 4' sand at bottom	20	1693
Sand, calcareous; shale, brown	21	1713
Shale, brown	11	1724
Sand, white	10	1734
Shale and sandstone; contains glauconite	21	1755
Shale, dark gray	35	1790
Shale, soft; balled on bit; non-glauconitic and dark gray	7	1797
Shale and 1' 4" sandstone containing glauconite and fossils	23	1820
Shale	20	1840
Shale, 18" sandstone, and soft shale	22	1862
Boulders; shale, soft; 10' sand, white	22	1884

TABLE 30—(Continued)

Winona-Basic City	Thick. feet	Depth feet
Sand; rock; shale, soft	23	1907
Sand, 3' rock; sand mostly clear, angular quartz medium fine grained. Sample found on bit at 1928' is almost all micaceous non-glauconitic dark gray silt; non fossiliferous	22	1929

WASHINGTON COUNTY WELL 52, SE.1/4, SW.1/4, SEC.36, T.17 N., R.7 W.

Town of Arcola
Altitude: 118.9 ft.

Driller: Layne-Central in 1937

	Thick.	Depth
Alluvium	feet	feet
Soil	19.8	19.8
Clay	10.0	29.8
Sand, coarse	76.7	106.5
Sand and gravel, fine	49.5	156.0
Jackson		
Clay	98.1	254.1
Sand	29.4	283.5
Cockfield formation		
Clay	33.3	316.8
Sand	14.3	331.1
Clay	8.0	339.1
Sand	53.2	392.3
Clay	5.0	397.3
Sand	19.9	417.2
Clay	2.0	419.2
Sand	15.8	435.0
Clay	2.0	437.0
Sand	14.6	451.6
Cockfield formation		
Clay	9.0	460.6
Sand, fine	13.0	473.6
Clay	2.0	475.6
Rock, soft	.2	475.8
Clay	2.0	477.8
Sand, fine	27.3	505.1
Sand, fine streaked with clay	31.3	536.4
Sand	9.9	546.3
Sand, fine streaked with clay	39.8	586.1
Sand, fine	6.0	592.1
Clay	6.0	598.1
Sand	38.5	636.6
Wautubbee clay		
Clay	3.9	640.5
Clay streaked with shale	37.8	678.3

WASHINGTON COUNTY WELL 59, NW.1/4, NE.1/4, SEC.5, T.16 N., R.9 W.

Riverside School
Altitude: 113 ft.

Driller: T. B. Minyard in 1934

	Thick.	Depth
Alluvium	feet	feet
Clay	22.5	22.5
Sand	31.1	53.6
Clay	9.8	63.4
Clay	21.8	85.2
Sand, coarse	10.0	95.2
Gravel, fine	21.7	116.9
Jackson		
Sand	11.4	128.3
Clay	31.0	159.3
Jackson		
Rock, hard	11.4	170.7
Clay	34.3	205.0
Rock, soft	1.0	206.0
Clay, hard	12.3	218.3
Rock, soft	0.4	218.7
Clay, brittle	16.8	235.5
Cockfield formation		
Sand, hard	36.3	271.8
Clay	5.4	277.2

TABLE 30—(Continued)

	Thick.	Depth
Cockfield formation	feet	feet
Sand, hard	5.0	282.2
Shale	7.0	289.2
Sand	2.0	291.2
Rock, soft	0.3	291.5
Sand	2.0	293.5
Shale	5.0	298.5
Sand, hard	124.8	423.3
Gumbo shale	20.1	443.4
Clay	3.0	446.4
Rock	0.2	446.6
Clay	22.5	469.1
Sand, hard	4.0	473.1
Gumbo	3.0	476.1
Sand	3.0	479.1
Clay	10.2	489.3
Sand	30.9	520.2
Wautubbee clay		
Clay	35.9	556.1
Sand	14.5	570.6
Clay	2.0	572.6
Rock	0.2	572.8
Sand	5.0	577.8
Shale	2.0	579.8
Rock	0.8	580.6
Shale	3.6	584.2
Sand	10.0	594.2
Shale	2.0	596.2
Clay	3.0	599.2
Sand	14.4	613.6
Rock, soft	0.5	614.1
Sand and rock	20.0	634.1
Kosciusko sand		
Shale, hard	3.0	637.1
Sand	23.0	660.1
Clay	3.0	663.1
Kosciusko sand		
Sand and rock	22.5	685.6
Clay	15.0	700.6
Sand	16.8	717.4
Clay with streaks shale	10.2	727.6
Sand and clay	23.3	750.9
Shale	2.0	752.9
Clay, hard	53.3	806.2
Sand	2.0	808.2
Shale	1.5	809.7
Clay	10.0	819.7
Rock, soft	0.6	820.3
Clay	2.0	822.3
Shale	3.0	825.3
Sand	2.0	827.3
Gumbo	3.6	830.9
Clay	10.0	840.9
Rock	0.6	841.5
Clay	5.0	846.5
Shale	4.0	850.5
Clay	4.4	854.9
Rock, soft	0.6	855.5
Shale	3.0	858.5
Clay	14.4	872.9
Gumbo	10.0	882.9
Shale	5.0	887.9
Gumbo	23.8	911.7
Rock, hard	0.9	912.6
Clay	20.0	932.6
Rock, hard	0.3	932.9
Sand	2.7	935.6
Gumbo	51.9	987.5
Rock	0.9	988.4
Shale	7.0	995.4
Sand	189.0	1184.4

WASHINGTON COUNTY WELL 67, SE.1/4, SW.1/4, SEC.2, T.15 N., R.5 W.

American Legion
Altitude: 102.7 ft.

Driller: T. B. Minyard in 1916

	Thick.	Depth
Alluvium	feet	feet
Clay	22.6	22.6
Sand	41.7	64.3
Gravel	86.4	150.7
Jackson		
Clay	157.6	308.3
Yazoo clay		
Sand	4.0	312.3

TABLE 30—(Continued)

	Thick.	Depth
Yazoo clay	feet	feet
Clay	20.8	333.1
Sand	14.0	347.1
Clay	4.0	351.1
Sand	90.3	441.4
Clay	3.0	444.4
Sand	23.4	467.8
Clay	7.0	474.8
Sand	13.0	487.8
Wautubbee clay (?)		
Clay	32.1	519.9
Kosciusko sand		
Sand	32.2	552.1
Clay	6.0	558.1
Sand	113.5	671.6
Clay	14.7	686.3

WASHINGTON COUNTY WELL 67a, SE.1/4, NW.1/4, SEC.1, T.15 N., R.6 W.

W. P. Powers
Altitude: 103 ft.
Driller: W. D. Powers in 1913

	Thick.	Depth
Alluvium	feet	feet
Gumbo	15	15
Sand	46	61
Gravel	42	103
Sand	10	113
Gravel	59	172
Jackson		
Gumbo	59	231
Jackson		
Sand	26	257
Shale	5	262
Gumbo	27	289
Shale	8	297
Cockfield formation		
Sand	37	334

WASHINGTON COUNTY WELL 73, NE.1/4, SW.1/4, SEC.6, T.15 N., R.6 W.

Hollandale Oil Mill
Altitude: 115 ft.
Driller: Charles Perkins in 1936

	Thick.	Depth
Alluvium	feet	feet
Sand and gravel	80	80
Gravel and logs	50	130
Jackson and Cockfield		
Sand and lignite	60	190
Sand and gravel	80	270
Shale, sandy	70	340
Sand and gravel	97	437
Wautubbee clay		
Shale; streaks of sand	109	546
Shale, sandy	59	605
Shale and boulders	75	680
Kosciusko sand		
Shale, sandy	137	817
Sand, gray	40	857
Shale, sandy	53	910
Kosciusko sand		
Shale, gummy	15	925
Sand; water flows	210	1135
Shale	15	1150
Sand and lignite	20	1170
Shale, sandy	60	1230
Zilpha clay and Basic City shale		
Shale, gummy	75	1305
Rock	2	1307
Shale, gummy green	79	1386
Chalk rock	7	1393
Shale, hard chalky	56	1449
Shale, hard sandy green	31	1480
Shale, gummy	15	1495
Rock, grey	2	1497
Shale, hard	18	1515

TABLE 30—(Continued)

Zilpha clay and Basic City shale	Thick. feet	Depth feet
Shale, hard sandy green	32	1547
Shale, sandy	48	1595
Rock, slick	3	1598
Zilpha clay and Basic City shale		
Shale; streaks of sand	57	1655
Shale	18	1673

WASHINGTON COUNTY WELL 82, NE.1/4, SE.1/4, SEC.27, T.15 N., R.5 W.

J. W. Jordan — Driller: C. M. Journey in 1937
Altitude: 103.8 ft.

	Thick. feet	Depth feet
Alluvium		
Loam, sandy	23	23
Loam	21	44
Sand	22	66
Gravel	32	98
Jackson		
Gumbo	17	115
Sand	37	152
Shale, sandy	42	194
Gumbo	22	216
Shale	43	259
Cockfield formation		
Sand	34	293
Gumbo	18	311
Shale	32	343
Sand	22	365
Shale	40	405
Gumbo	162	567
Cockfield formation		
Sand	70	637
Gumbo	35	672
Sand	6	678
Wautubbee clay		
Gumbo	106	784
Rock	1	785
Gumbo	4	789
Marl, sandy	41	830
Gumbo	39	869
Kosciusko sand		
Rock	1	870
Gumbo	3	873
Sand	16	889
Gumbo	35	924
Sand	41	965
Gumbo	1	966

WASHINGTON COUNTY WELL 88, NW.1/4 NW.1/4, SEC.36, T.15 N., R.7 W.

Julius Thompson — Driller: T. B. Minyard
Altitude: 113.2 ft.

	Thick. feet	Depth feet
Alluvium		
Soil and clay	22.5	22.5
Sand	42.2	64.7
Gravel	109.8	174.5
Jackson		
Sand	6.0	180.5
Clay	5.0	185.5
Cockfield formation		
Sand, hard	119.8	305.3
Clay	68.1	373.4
Sand	8.2	381.6
Clay	10.0	391.6
Cockfield formation		
Sand	11.0	402.6
Clay	10.0	412.6
Sand, hard	114.6	527.2
Sand and clay	19.7	546.9
Wautubbee clay		
Sand, hard	10.0	556.9
Shale	20.4	577.3
Clay and shale	20.8	598.1
Sand, hard	4.0	602.1
Clay and shale	16.4	618.5
Clay	6.0	624.5

TABLE 30—(Continued)

	Thick.	Depth
Wautubbee clay	feet	feet
Sand, hard	11.0	635.5
Rock	0.6	636.1
Sand, hard	6.4	642.5
Clay	72.9	715.4
Kosciusko sand		
Sand, hard	31.1	746.5
Clay	41.8	788.3
Sand, hard	14.7	803.0
Rock	0.7	803.7
Sand, hard	2.0	805.7
Clay	23.9	829.6
Kosciusko sand		
Sand, hard	17.7	847.3
Clay	21.3	868.6
Sand and clay	21.5	890.1
Clay	25.7	915.8
Sand	13.8	929.6
Clay	8.0	937.6
Sand, hard	8.0	945.6
Shale	7.4	953.0
Sand	52.3	1005.3
Clay	1.0	1006.3

YAZOO COUNTY WELL 1a, NE.1/4, NE.1/4, SEC.10, T.13 N., R.2 W.

C. H. Phillips
Altitude: 110 ft.

Driller: T. B. Minyard in 1937

	Thick.	Depth
Alluvium	feet	feet
Loam, sandy	6.0	6.0
Gumbo, mucky	51.3	57.3
Sand, coarse	14.6	71.9
Sand, coarse and gravel	22.8	94.7
Gravel, heavy	10.0	104.7
Jackson		
Gumbo	167.8	272.5
Cockfield formation		
Sand, hard	20.8	293.3
Sand with gumbo mixed	21.7	315.0
Gumbo	52.3	367.3
Sand, hard	10.4	377.7
Sand and gumbo	30.0	407.7
Gumbo	11.8	419.5
Cockfield formation		
Gumbo streaked with sand	20.7	440.2
Sand, hard	21.3	461.5
Gumbo, sandy	50.3	511.8
Sand	14.4	526.2
Sand and gumbo streaked with two rocks	21.3	547.5
Wautubbee clay		
Sand	31.4	578.9
Gumbo	10.6	589.5
Shale	37.7	627.2
Kosciusko sand		
Sand, hard	5.1	632.3
Sand streaked with shale, hard	18.5	650.8
Sand, fine	227.9	878.7

YAZOO COUNTY WELL 2a, SW.1/4, SE.1/4, SEC.11, T.13 N., R.2 W.

C. E. Hines

Driller: T. B. Minyard in 1937

	Thick.	Depth
Alluvium	feet	feet
Gumbo, hard	14.0	14.0
Muck	18.6	32.6
Sand, coarse	53.4	86.0
Gravel, heavy	16.0	102.0
Jackson		
Gumbo, hard	93.5	195.5
Rock	.3	195.8
Gumbo	33.9	229.7
Gumbo, sandy	25.2	254.9

TABLE 30—(Continued)

	Thick.	Depth
Jackson	feet	feet
Shale, sandy	16.0	270.9
Rock	.3	271.2
Cockfield formation		
Sand	67.1	338.3
Sand and shale	19.7	358.0
Sand and gumbo	17.0	375.0
Sand	18.9	393.9
Gumbo, sandy	4.8	398.7
Sand and gumbo	21.4	420.1
Sand	59.0	479.1
Gumbo	19.5	498.6
Gumbo, sandy	64.8	563.4
Sand	4.0	567.4
Shale	11.4	578.8
Rock	.4	579.2
Wautubbee clay		
Gumbo	16.1	595.3
Sand, coarse	21.0	616.3
Gumbo	37.2	653.5
Kosciusko sand		
Sand	10.8	664.3
Gumbo	13.2	677.5
Sand, fine	29.1	706.6
Gumbo	28.6	735.2
Sand	7.5	742.7
Gumbo	8.0	750.7
Sand	55.5	806.2

YAZOO COUNTY WELL 12, NW.1/4, NW.1/4, SEC.23, T.12 N., R.3 W.

Mrs. C. S. Coker — Driller: T. B. Minyard
Altitude: 83.9 ft.

	Thick.	Depth
Alluvium	feet	feet
Soil	18.0	18.0
Clay	45.7	63.7
Gravel	34.5	98.2
Sand	21.6	119.8
Gravel	42.3	162.1
Jackson		
Sand	51.5	213.6
Clay	39.1	252.7
Sand	18.7	271.4
Cockfield formation		
Clay	14.1	285.5
Sand	13.0	298.5
Clay	8.8	307.3
Sand	10.0	317.3
Clay	6.2	323.5
Sand	31.3	354.8
Clay	9.8	364.6
Sand	17.0	381.6
Clay	6.6	388.2
Sand	10.0	398.2
Clay	21.1	419.3
Sand	27.2	446.5
Clay	21.5	468.0
Sand	8.0	476.0
Clay	7.0	483.0
Sand	105.4	588.4
Clay	21.6	610.0
Shale	2.0	612.0
Sand	10.0	622.0
Clay	11.3	633.3
Rock	.3	633.6
Sand	5.0	638.6
Clay	1.0	639.6
Sand	12.4	652.0
Clay	5.0	657.0
Sand	16.0	673.0
Clay	5.0	678.0
Sand	10.3	688.3
Wautubbee clay		
Clay	44.6	732.9
Rock	.5	733.4
Shale	2.0	735.4
Rock	.3	735.7
Clay	6.0	741.7
Sand	6.6	748.3
Clay	13.0	761.3

TABLE 30—(Continued)

Wautubbee clay	Thick. feet	Depth feet
Sand	4.0	765.3
Clay	4.8	770.1
Rock	.6	770.7
Clay	1.0	771.7
Rock	.3	772.0
Shale	1.0	773.0
Rock	.4	773.4
Sand	29.7	803.1
Shale	2.6	805.7
Sand	6.0	811.7
Clay	9.0	820.7
Sand	10.8	831.5
Wautubbee clay		
Clay	9.0	840.5
Sand	13.2	853.7
Clay	7.0	860.7
Sand	7.1	867.8
Shale	2.0	869.8
Kosciusko sand		
Sand	11.0	880.8
Clay	8.6	889.4
Sand	20.2	909.6
Sand, shaley	17.7	927.3
Clay	35.0	962.3
Sand	86.4	1048.7

YAZOO COUNTY WELL 13a, SE.1/4, SE.1/4, SEC.22, T.12 N., R.5 W.

J. W. Downer
Altitude: 65 ft.

Driller: David Berry in 1937

Alluvium	Thick. feet	Depth feet
Soil and gumbo	24.0	24.0
Gumbo	20.7	44.7
Sand	30.1	74.8
Sand and gravel	75.1	149.9
Jackson		
Gumbo, blue	9.6	159.5
Mud, blue; some sand	9.6	169.1
Gumbo, blue	10.4	179.5
Clay, chocolate	10.4	189.9
Sand, fine	9.7	199.6
Gumbo	3.0	202.6
Rock and lignite	4.0	206.6
Lignite and brown clay	18.3	224.9
Gumbo, tough	39.3	264.2
Clay, sandy	11.6	275.8
Sand, packed	15.0	290.8
Clay, chocolate	20.8	311.6
Clay and streaks of sand	51.7	363.3
Gumbo, tough (thickness up to 5 feet)	10.0	373.3
Cockfield formation		
Sand and streaks of clay	38.5	411.8
Cockfield formation		
Sand, fine	10.0	421.8
Clay, hard, chocolate-colored	21.9	443.7
Sand, loose	130.9	574.6
Wautubbee clay		
Rock	.8	575.4
Clay, brown	29.2	604.6
Rock	.3	604.9
Sand, argillaceous and thin strata of rock	51.9	656.8
Sand and gumbo	9.2	666.0
Sand, coarse	42.8	708.8
Gumbo	34.9	743.7
Rock and sand	3.0	746.7
Sand and gumbo; 4 rock strata near base	28.7	775.4
Sand	23.9	799.3
Sand, clay, and white gumbo	21.2	820.5
Clay, sandy	19.2	839.7
Kosciusko sand		
Rock	.5	840.2
Sand, flowing, "red" water	156.4	996.6

TABLE 30—(Continued)

Kosciusko sand	Thick. feet	Depth feet
Sand, fine, and hard clay	8.0	1004.6
Gumbo	4.0	1008.6
Gumbo and lignite	12.9	1021.5
Sand, loose, muddy	20.2	1041.7
Lignite	4.0	1045.7
Sand	4.0	1049.7
Gumbo	4.0	1053.7
Clay, sandy	11.5	1065.2
Gumbo	12.0	1077.2
Clay, sandy	5.0	1082.2
Sandstone	4.0	1086.2
Sand, coarse glauconitic, water-bearing	71.0	1157.2

YAZOO COUNTY WELL 28, NE.1/4, NE.1/4, SEC.36, T.12 N., R.3 W.

G. D. Latham
Altitude: 104.25 ft.

Driller: T. B. Minyard in 1925

Alluvium	Thick. feet	Depth feet
Soil	22.7	22.7
Clay	64.4	87.1
Sand	20.0	107.1
Gravel	14.7	121.8
Sand	87.6	209.4
Jackson		
Clay	43.2	252.6
Sand	10.8	263.4
Clay	28.8	292.2
Sand	8.4	300.6
Clay	67.6	368.2
Sand	13.6	381.8
Clay streaked with sand	33.3	415.1
Sand	5.0	420.1
Cockfield formation		
Clay	5.0	425.1
Sand	116.6	541.7
Cockfield formation		
Clay	6.0	547.7
Sand	60.1	607.8
Wautubbee clay		
Clay	50.8	658.6
Rock, soft	.2	658.8
Shale	2.0	660.8
Rock, hard	0.4	661.2
Sand	20.3	681.5
Clay	24.2	705.7
Sand	7.4	713.1
Clay	7.0	720.1
Sand, fine	30.6	750.7
Clay	29.9	780.6
Sand	16.0	796.6
Clay	47.8	844.4
Shale	2.0	846.4
Kosciusko sand		
Sand	64.4	910.8

YAZOO COUNTY WELL 35, SE.1/4, SW.1/4, SEC.26, T.11 N., R.3 W.

Frank McGraw

Driller: T. B. Minyard in 1940

Jackson	Thick. feet	Depth feet
Clay	6.0	6.0
Sand	2.0	8.0
Clay	12.7	20.7
Clay, crumbly	12.0	32.7
Sand	2.0	34.7
Clay	44.5	79.2
Shale, hard	9.0	88.2
Sand, hard	2.1	90.3
Clay, hard	11.0	101.3
Sand	12.3	113.6
Clay	5.0	118.6
Sand	2.0	120.6

TABLE 30—(Continued)

	Thick.	Depth
Jackson	feet	feet
Clay, hard	17.9	138.5
Sand, hard	11.0	149.5
Shale, hard	3.0	152.5
Sand	6.0	158.5
Cockfield formation		
Clay	2.6	161.1
Sand	12.0	173.1
Shale, hard	26.0	199.1
Sand and clay	10.3	209.4
Sand	18.0	227.4
Clay	2.0	229.4
Sand	9.3	238.7
Shale	2.0	240.7
Sand	9.0	249.7
Clay, crumbly	2.0	251.7
Sand	9.0	260.7
Gumbo and sand	37.0	297.7
Clay	8.0	305.7
Sand	31.3	337.0
Clay, crumbly	2.0	339.0
Sand	98.4	437.4
Clay, crumbly	3.0	440.4
Sand	5.0	445.4
Clay	6.0	451.4
Sand, soft	24.3	475.7
Sand, hard	14.9	490.6
Sand and shale	15.0	505.6
Wautubbee clay		
Rock	.3	505.9
Sand	2.0	507.9
Rock, hard	.3	508.2
Sand	1.0	509.2
Shale, hard	2.4	511.6
Sand	2.0	513.6
Rock, soft	.3	513.9
Sand	1.0	514.9
Clay	1.0	515.9
Sand	16.8	532.7
Shale, hard	23.6	556.3

	Thick.	Depth
Wautubbee clay	feet	feet
Gumbo, soft	32.6	588.9
Clay gumbo	8.0	596.9
Shale, hard	1.0	597.9
Rock, soft	.8	598.7
Clay	2.0	600.7
Rock, hard	.4	601.1
Sand	15.2	616.3
Clay	8.0	624.3
Rock, hard	.3	624.6
Clay	1.4	626.0
Gumbo and rock	11.0	637.0
Sand	1.0	638.0
Rock, hard	.3	638.3
Sand	.2	638.5
Gumbo	1.0	639.5
Sand	30.1	669.6
Shale gumbo	3.7	673.3
Rock, soft	.5	673.8
Shale gumbo	5.0	678.8
Kosciusko sand		
Sand	10.0	688.8
Gumbo shale	4.0	692.8
Sand	27.1	719.9
Shale, hard	4.0	723.9
Sand, soft	18.0	741.9
Shale, hard	2.4	744.3
Sand	6.0	750.3
Gumbo shale	22.7	773.0
Sand	9.0	782.0
Shale, hard	3.0	785.0
Sand	70.6	855.6
Shale, hard	1.0	856.6
Rock, soft	.1	856.7
Sand, hard	10.2	866.9
Sand, soft	84.2	951.1
Clay gumbo	1.0	952.1
Sand	61.9	1014.0
Clay	10.0	1024.0

TABLE 30—(Continued)

YAZOO COUNTY WELL 38a, NW.1/4. SW.1/4, SEC.11, T.10 N., R.4 W.

J. J. Peaster — Driller: David Berry in 1939

	Thick. feet	Depth feet
River alluvium		
Soil	16.0	16.0
Clay, gray and clay, light gray, kaolinitic	4.0	20.0
Sand, fine grained quartz and chert	4.0	24.0
Sand and clay interbedded. The sand is quartz and chert The clay is light gray and contains small particles of carbonaceous material	7.0	31.0
Sand, fine—variegated chert and quartz. Minor amounts of mica and other minerals	21.0	52.0
Sand, coarse; same as above plus fragments of limestone, sandstone, igneous and metamorphic rocks	21.0	73.0
Gravel and sand: The shapes of the grains are well rounded to sub-angular	20.0	93.0
Sand, coarse, same as above	7.0	100.0
Jackson		
Clay, bluish-gray and containing shell fragments and an abundance of marine foraminifera (silt)	93.0	193.0
Clay, bluish-gray, slightly more friable than above and containing only small foraminifera but gastropod and numerous other megascopic shells; also a few grains of quartz and glauconite	41.0	234.0
Clay, bluish-gray, slightly more friable than above and containing small foraminifera, gastropods and numerous other megascopic shells; also a few grains of quartz and glauconite	103.0	337.0
Clay, bluish-gray; contains numerous pellets of dark green glauconite	11.0	348.0
Rock, soft	1.2	349.2
Clay, marl, highly glauconitic, sandy and calcareous fossiliferous	30.0	379.2
Clay, marl, glauconite, abundantly fossiliferous, some interbedded layers of sand and sandstone cemented with carbonate	22.0	401.2
Cockfield formation		
Sand, packed, fine, mostly quartz, minor muscovite; well sorted and angular	50.0	451.2
Clay, brown	2.0	453.2
Sand, fine angular, quartz	9.0	462.2
Clay, light gray and sandy. The clay contains numerous small crystals of pyrite and a few flakes of mica	19.0	481.2
Sand and clay. The sand is fine angular clear quartz. The clay is light gray and contains small crystals of pyrite	20.0	501.2

TABLE 30—(Continued)

Cockfield formation	Thick. feet	Depth feet
Sand, fine angular clear quartz for the most part; some biotite, feldspar, and dark minerals are present	62.0	563.2
Sand and clay interbedded. The gray clay contains several books of biotite, numerous ostracode carapaces and foraminifera tests; beds of gray	22.0	585.2
Sand, fine and interbedded thin clay (some lignite near 770). The sand is angular clear quartz, muscovite, chlorite, biotite and feldspar; fine-grained near the base	287.0	872.2
Wautubbee formation		
Gumbo, brown, and extra hard, pyritic and carbonaceous	23.0	895.2
Sand and clay, brown clay. The sand is poorly sorted, angular and besides quartz contains a few grains of glauconite, feldspar and limestone. The clay is chocolate brown and micaceous	12.0	907.2
Clay, sand and two thin strata of sandstones	9.0	916.2
Sand, fine angular quartz; numerous crystal faces	21.0	937.2
Clay	1.0	938.2
Sandstone	1.0	939.2
Sand and clay similar to above	9.0	948.2
Sand, fine angular quartz; pyrite, feldspar, and mica are also present	9.0	957.2
Clay, dark brown and carbonaceous	1.0	958.2
Sand same as above	4.0	962.2
Clay, similar to above; minor glauconite	2.0	964.2
Sand, similar to above	19.0	983.2
Clay	4.0	987.2
Sand, similar to above	2.0	989.2
Clay, brown and carbonaceous, microfauna	18.0	1007.2
Clay, sandy, brown and gray, slightly micaceous and nonglauconitic; numerous flakes of carbonaceous material and a few crystal groups of pyrite	30.0	1037.2
Rock	.7	1037.9
Clay	1.0	1038.9
Rock, sand cemented with carbonate and some glauconite stained yellow	.2	1039.1
Sand; rock; sand cemented with carbonate and some glauconite, stained yellow	1.2	1040.3
Sand—mostly fine angular quartz	2.0	1042.3
Gumbo, light brown and carbonaceous	6.0	1048.3
Sand, mostly fine angular quartz	5.0	1053.3
Sand, clay, fossiliferous and calcareous	8.0	1061.3
Gumbo, brown and carbonaceous	5.0	1066.3
Rock, hard, yellow limestone; a few grains of glauconite	.3	1066.6

TABLE 30—(Continued)

	Thick. feet	Depth feet
Wautubbee clay		
Clay, same as above	1.0	1067.6
Rock, yellow limestone, contains a few grains of glauconite	.1	1067.7
Clay, same as above	4.5	1072.2
Rock, hard, yellow limestone contains a few grains of glauconite	.3	1072.5
Clay, same as above	.7	1073.2
Rock, yellow limestone as above	.5	1073.7
Sand, mostly fine angular quartz	3.0	1076.7
Rock, carbonate-cemented sandstone	.5	1077.2
Kosciusko sandstone		
Sand, mostly fine angular quartz	8.0	1085.2
Clay, gray and brown; numerous small round pellets of pyrite or marcasite	7.0	1092.2
Clay and sand; the clay is brown and slightly carbonaceous; the sand is mostly fine angular quartz	20.0	1112.2
Sand, mostly fine angular quartz	8.0	1120.2
Clay, brown glauconite (?) and numerous small crystals of pyrite	2.0	1122.2
Sand, mostly fine angular clear quartz	16.0	1138.2
Lignite, porous	2.0	1140.2
Sand, fine angular quartz, some white mica	10.0	1150.2
Clay, minor pyrite and carbonaceous	2.0	1152.2
Sand, mostly fine angular quartz	10.0	1162.2
Clay, brown and carbonaceous; a few grains are light and kaolinitic (?)	2.0	1164.2
Sand	8.0	1172.2
Sand, fine angular quartz; feldspar and muscovite; fossiliferous, brown	24.0	1196.2
Clay, brown, some lignite	6.0	1202.2
Sand, mostly very fine angular quartz	10.0	1212.2
Sand	8.0	1220.2
Clay, sandy and lignite	8.0	1228.2
Gumbo, brown; slightly micaceous and containing faceal (?) pellets	14.0	1242.2
Sand, mostly fine angular clear quartz	6.0	1248.2
Gumbo, light brown	1.0	1249.2
Sand, mostly fine angular clear quartz, slightly coarse near base. Minor biotite and muscovite, feldspar	3.0	1252.2
Sand, clay and lignite interbedded	20.0	1272.2
Sand; well rounded	20.0	1292.2
Sand, fine angular clear and somewhat frosted quartz. Very minor mica, feldspar, pyrite, magnetite; Well screen placed here	60.0	1352.2
Lignite, porous and brownish black	5.0	1357.2
Gumbo, tough; gray and apparently massive	1.0	1358.2

TABLE 30—(Continued)

YAZOO COUNTY WELL 38b, SW.1/4, NE.1/4, SEC.18, T.10 N., R.4 W.

M. Falkner — Driller: C. M. Journey

	Thick. feet	Depth feet
Alluvium		
Soil and clay	23.0	23.0
Sand	41.7	64.7
Sand and gravel, fine	20.2	84.9
Gravel	41.1	126.0
Gravel and boulder	21.3	147.3
Sand and gravel	19.5	166.8
Jackson		
Clay shale	10.0	176.8
Sand	15.6	192.4
Clay shale	3.0	195.4
Sand	5.0	200.4
Clay shale	21.1	221.5
Sand	8.3	229.8
Clay shale	10.0	239.8
Sand	27.5	267.3
Sand and clay shale	20.6	287.9
Sand, hard	20.7	308.6
Sand and streaks of clay shale	42.7	351.3
Cockfield formation		
Sand, hard	60.7	412.0
Sand	5.0	417.0
Clay shale	10.0	427.0
Sand	65.4	492.4
Sand, hard	41.3	533.7
Sand	20.2	553.9
Sand, hard	227.2	781.1
Clay shale, gummy	19.7	800.8
Clay shale	2.0	802.8
Rock, hard	.7	803.5
Sand	16.5	820.0
Sand, hard	103.1	923.1
Wautubbee clay		
Clay shale	23.1	946.2
Rock, hard	.6	946.8
Sand	4.0	950.8
Clay shale	6.0	956.8
Rock, hard	.6	957.4
Clay shale	3.0	960.4
Sand	3.0	963.4
Sand, hard	60.8	1024.2
Sand	10.0	1034.2
Clay shale	41.9	1076.1
Wautubbee clay		
Sand, hard	28.3	1104.4
Clay shale and sand streaked	20.2	1124.6
Sand, hard	19.3	1143.9
Clay shale, hard; sand interbedded	21.6	1165.5
Clay shale	10.0	1175.5
Kosciusko sand		
Sand, hard	96.7	1272.2
Clay shale	16.0	1288.2
Clay shale, hard	21.0	1309.2
Clay shale, hard and gummy	41.1	1350.3
Shale, clay shale, and sand	20.2	1370.5
Clay shale	2.0	1372.5
Rock	1.5	1374.0
Clay shale	5.0	1379.0
Rock	2.3	1381.3
Clay shale, hard	9.7	1391.0
Clay shale, gummy	20.7	1411.7
Clay shale	14.0	1425.7
Rock	.3	1426.0
Sand	2.0	1428.0
Clay shale	7.0	1435.0
Rock	2.2	1437.2
Sand, hard	5.0	1442.2
Rock	.4	1442.6
Sand	3.0	1445.6
Rock	.8	1446.4
Sand	3.0	1449.4
Rock	.7	1450.1
Sand, hard	3.0	1453.1
Clay shale	1.0	1454.1
Sand, hard	9.0	1463.1
Rock	.7	1463.8
Sand	9.3	1473.1
Rock	2.3	1475.4
Sand	10.0	1485.4
Clay shale	22.7	1508.1
Shale, hard	3.0	1511.1
Sand, hard	5.3	1516.4
Sand	9.0	1525.4
Clay shale	11.6	1537.0

TABLE 30—(Continued)

	Thick. feet	Depth feet
Kosciusko sand		
Sand	16.0	1553.0
Clay shale, gummy	5.4	1558.4
Kosciusko sand		
Sand and clay shale streaked	17.4	1575.8
Unreported	18.7	1594.5

YAZOO COUNTY WELL 39, SW.1/4, NE.1/4, SEC.31, T.10 N., R.3 W.

Satartia School
Altitude: 111 ft.
Driller: T. B. Minyard in 1929

	Thick. feet	Depth feet
Not reported	101.9	101.9
Jackson		
Gumbo	137.7	239.6
Chalk	18.9	258.5
Cockfield formation		
Sand	15.0	273.5
Gumbo	8.2	281.7
Sand; streaks of gumbo	18.7	300.4
Gumbo	8.0	308.4
Sand	70.7	379.1
Gumbo	3.6	382.7
Sand	14.0	396.7
Gumbo; streaks of sand	28.8	425.5
Gumbo, brittle	141.2	566.7
Shale	4.0	570.7
Gumbo	15.0	585.7
Shale	5.8	591.5
Sand, hard	80.3	671.8
Sand	17.0	688.8
Gumbo	13.7	702.5
Sand, hard	8.0	710.5
Gumbo	2.4	712.9
Shale, sandy	20.4	733.3
Not reported	9.6	742.9
Gumbo	12.0	754.9
Sand, hard	14.4	769.3
Wautubbee clay		
Rock	0.2	769.5
Gumbo	2.0	771.5
Rock	0.2	771.7
Sand	1.0	772.7
Rock	0.3	773.0
Sand	3.0	776.0
Rock	0.3	776.3
Sand	13.7	790.0
Sand, hard	4.0	794.0
Gumbo	25.7	819.7
Rock, hard	0.5	820.2
Gumbo, hard	50.5	870.7
Rock, hard	0.7	871.4
Gumbo	2.8	874.2
Rock	0.2	874.4
Gumbo	2.0	876.4
Rock	0.3	876.7
Shale	3.0	879.7
Sand	15.3	895.0
Shale; some rock	20.9	915.9
Gumbo	5.0	920.9
Shale, gumbo, and streaks of sand	20.2	941.1
Gumbo, hard	6.0	947.1
Sand, fine	5.0	952.1
Gumbo	4.0	956.1
Kosciusko sand		
Sand	64.8	1020.9
Gumbo	17.2	1038.1

YAZOO COUNTY WELL 46, SW.1/4, SE.1/4, SEC.14, T.9 N., R.4 W.

Mrs. Frank Smith
Altitude: 120 ft.
Driller: T. B. Minyard in 1940

	Thick. feet	Depth feet
Clay, soft	10.0	10.0
Gumbo	9.3	19.3
Sand	3.0	22.3
Soapstone	15.0	37.3
Sand	6.0	43.3

TABLE 30—(Continued)

	Thick. feet	Depth feet
Jackson		
Soapstone, soft	20.0	63.3
Soapstone, hard, gummy	80.0	143.3
Crumble soapstone	36.0	179.3
Soapstone, hard brittle	18.0	197.3
Shale, hard brittle	18.0	215.3
Crumble, hard brittle	95.6	310.9
Soapstone, gummy	7.0	317.9
Shale, brittle, tight blue mud	4.7	322.6
Chalk and brittle shale	18.0	340.6
Shale, brittle	18.0	358.6
Shale, hard	78.7	437.3
Rock	.6	437.9
Sandy shale	58.0	495.9
Cockfield formation		
Sand	14.0	509.9
Shale, hard	87.7	597.6
Gumbo shale	40.6	638.2
Shale, hard	55.4	693.6
Sand	5.0	698.6
Shale, hard	7.0	705.6
Sand, hard	15.5	721.1
Shale, hard	2.0	723.1
Sand, soft	53.3	776.4
Sand, hard with shale crater	21.1	797.5
Soapstone shale, hard	3.0	800.5
Cockfield formation		
Sand, hard, coarse containing fine gravel	60.1	860.6
Shale and gumbo	45.0	905.6
Sand, hard	5.0	910.6
Shale, hard	18.8	929.4
Rock, hard	.3	929.7
Wautubbee clay		
Sand	16.9	946.6
Soapstone, hard, gummy	28.3	974.9
Rock, hard	.6	975.5
Soapstone	10.0	985.5
Shale, hard	9.8	995.3
Rock, hard	.4	995.7
Shale	54.6	1050.3
Rock, hard and soft	1.6	1051.9
Shale	3.7	1055.6
Rock, hard	3.0	1058.6
Shale gumbo	18.9	1077.5
Rock, soft	.6	1078.1
Shale gumbo	12.0	1090.1
Rock	3.3	1093.4
Gumbo	2.1	1095.5
Gumbo shale	2.0	1097.5
Rock, soft	4.0	1101.5
Gumbo shale	1.0	1102.5
Rock	0.3	1102.8
Rock, soft	0.3	1103.1
Sand	36.5	1139.6
Rock, soft	6.0	1145.6
Kosciusko sand		
Sand	16.8	1162.4
Soapstone shale	16.1	1178.5

YAZOO COUNTY WELL 47, SE.1/4, SE.1/4, SEC.16, T.9 N., R.4 W.

School Driller: David Berry

Altitude: 97 ft. in 1939

	Thick. feet	Depth feet
Alluvium		
Top soil	6	6
Not reported	6	12
Brown sandy clay	6	18
Blue clay	22	40
Fine black sand (quicksand)	10	50
Coarse white sand with lignite	42	92
Coarse sand and pea gravel; some shale	37	129

TABLE 30—(Continued)

	Thick. feet	'Depth feet
Jackson		
Gumbo	21	150
Blue clay	80	230
Streaks of gumbo	21	251
Blue clay—sticky	80	331
Tough clay	177	508
Streaks of sand	6	514
Tough clay or gumbo	8	522
Cockfield formation		
Black sand or lignite	10	532
Fine packed sand and clay, layers about 1 ft. thick	44	576
Gumbo	4	580
Fine gray sand	17	597
Clay	11	608
Muddy sand	10	618
Streaks of sand and gumbo	20	638
Tough gumbo	10	648
Sand, hard packed and water bearing	12	660
Gumbo	15	675
Sand, hard packed	12	687
Gumbo	3	690
Fine sand, gray with lignite	32	722
Fine sand and streaks of white clay	21	743
Streaks of sand and gumbo	21	764
Gumbo	11	775
Sandy clay	3	778
Alternating layers of sand and gumbo	1	779
Streaks of sand and gumbo	30	829
Fine sand	11	840
Streaks of fine sand, mostly gumbo	32	872
Sand, medium sized grain; probably red water sand at Holly Bluff	77	949
Streaks of sand and gumbo	11	960
Gumbo	4	964
Muddy sand	27	991
Gumbo	1	992
Sand	23	1015
Wautubbee clay		
Gumbo	7	1022
Sandy clay, mostly clay	46	1068
Sand, 2 small boulders	5	1073
Coarse sand and streaks of sheet rock; no water flowing	35	1108
Brown gumbo	8	1116
Streaks of muddy sand	16	1132

TABLE 30—(Continued)

	Thick. feet	Depth feet
Wautubbee clay		
Sand, medium sized	18	1150
Gumbo	3	1153
Sand, medium sized	13	1166
Alt. streaks sand and clay	30	1196
Sand	5	1201
Clay, sandy	7	1208
Sand, 2 layers of 2" rock	8	1216
Sand	4	1220
Gumbo, set screen in sand above but failed to flow	8	1228
Sticky shale	13	1241
Sand rock	3	1244
Gumbo	7	1251
Sand rock	1	1252
Gumbo	9	1261
Rock	1	1262
Streaks of rock	2	1264
Kosciusko sand		
Sand	14	1278
Gumbo	1	1279
Broken strata of sand, fine grained	23	1302
Lignite	1	1303
Coarse sand	14	1317
Gumbo	3	1320
Coarse sand	10	1330
Gumbo, brown; set 40' screen	6	1336

YAZOO COUNTY WELL 48. NE.1/4, NW.1/4, SEC.27, T.9 N., R.4 W.

M. Falkner — Driller: C. M. Journey in 1936

Altitude: 128 ft.

	Thick.	Depth
Jackson		
Soil	10.0	10.0
Clay, sandy	12.0	22.0
Shale	65.0	87.0
Gumbo	22.0	109.0
Shale	129.0	238.0
Gumbo	296.0	534.0
Gumbo, sandy	40.0	574.0
Gumbo	3.0	577.0
Jackson		
Gumbo, sandy	70.0	647.0
Rock	.6	647.6
Gumbo, sandy	44.0	691.6
Gumbo	43.0	734.6
Gumbo, sandy	44.0	778.6
Cockfield (?) formation		
Sand	43.0	821.6