GEOLOGIC DATA OF THE GULF TROUGH AREA, GEORGIA

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DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
GEORGIA GEOLOGIC SURVEY

INFORMATION CIRCULAR 56

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INTRODUCTION

SCOPE AND PURPOSE

This publication of geologic data in the Gulf Trough area is part of a larger study of the geology and ground-water hydrology of the Gulf Trough conducted by the Georgia Geologic Survey. The purposes of the study are to define the stratigraphy and structure of the Gulf Trough and to evaluate the effect of the Trough on ground-water flow and quality in the Floridan Aquifer. As the study progressed, it became apparent that the large volume of geologic information, both previously existing data and new data generated by the study, would be useful to researchers in the Gulf Trough area if published separately. Most of this information is in the form of lithologic logs on file at the Georgia Geologic Survey or the U. S. Geological Survey, Doraville office, and lithologic logs of wells recently examined by the authors for this study. The majority of these lithologic logs are descriptions of cuttings or core samples collected from wells and kept by the Georgia Geologic Survey in a sample library.

In addition to the lithologic logs, a table is presented which summarizes information on all wells used for this study, both wells for which logs are presented in this publication and those with logs published elsewhere. Included in this table are identifying names and numbers, locations and elevation data, and the depths to the major time-stratigraphic units within the scope of this study. Additionally, well locations are plotted on a 1:500,000 scale base map (back pocket).

The Georgia Geologic Survey study of the Gulf Trough is continuing with plans for two publications to follow this data report. The first, on geology, will discuss the stratigraphy and structure of the Gulf Trough. The second publication will cover the ground-water hydrology of the Floridan Aquifer in the Gulf Trough.

SOURCES OF DATA

Data for this study were gathered from a large number of sources, both published and unpublished. The most frequently used published sources were collections of well logs by Herrick (1961) and Applin and Applin (1964). A summary by Swanson and Gernazian (1979) of petroleum exploration wells drilled in Georgia was also useful, providing well location and stratigraphic data.

Sources of unpublished data were the files of the Georgia Geologic Survey in Atlanta and the U. S. Geological Survey, Water Resources Division office in Doraville, Georgia. The files include unpublished lithologic logs by present and previous staff of the Georgia Geologic Survey and U. S. Geological Survey and a small number of unpublished logs by staff of petroleum exploration companies. Most of these lithologic logs also contain useful paleontological information. The records of many wells, especially petroleum exploration wells, include geophysical logs that were used in this study to assist in interpreting stratigraphy. The geophysical logs originate from a wide variety of sources including petroleum industry service companies, private consulting companies, the Georgia Geologic Survey and the U. S. Geological Survey.

The majority of wells for which lithologic logs are available have cuttings or core samples stored in the Georgia Geologic Survey sample library. This includes five cores drilled during 1984 and 1985 as part of the current Georgia Geologic Survey Gulf Trough study. Wells for which the Georgia Geologic Survey has samples are assigned a sequential number, referred to as a GGS number. Samples are not available for wells without GGS numbers.

METHODS OF STUDY

Descriptions of Lithologic Samples

The cuttings and core samples examined by the authors of this report fall into several categories. Five of the logs are of new cores drilled by the Georgia Geologic Survey as part of the Gulf Trough study. Another group of wells is represented by samples from petroleum test and water supply wells received by the Georgia Geologic Survey in recent years. These samples have not been examined previously. A number of wells with sample descriptions by previous researchers were reexamined by the authors of this study for the following reasons. In some cases, past descriptions performed for other purposes did not supply sufficient detail for the needs of this study. In others, discrepancies were present in the descriptions of some wells studied independently by two or more previous investigators. Finally, the authors determined that more information could be gained by reexamining samples from certain wells. These include wells which were especially

deep, located in a critical area of the Gulf Trough, located in an area where new information is available, or any combination of these factors.

Some specific sample intervals of previously examined wells were reexamined by the authors where the original description did not provide adequate detail to determine stratigraphic contacts. These short redescribed sections are not presented in this report, but were used in many instances to reinterpret stratigraphic correlations from the original log. Wells for which this has been done are noted in the data summary table.

The authors' evaluation of previous workers' descriptions in some instances led to a reinterpretation of stratigraphic boundaries of the original log. This was not uncommon in view of the authors' efforts to consistently apply a set of criteria for identifying stratigraphic units to geologic descriptions of a diverse group of previous investigators over a period of many years. Situations where the authors changed the stratigraphic boundaries from the original logs of previous workers also are noted in the data summary table.

Sample Examination Methods

Cuttings and core samples were examined microscopically for lithologic descriptions and paleontological identifications. In the case of cuttings, the samples were first sieved (U. S. Standard Sieve Series #20 (0.85 mm), #40 (0.42 mm), and #80 (0.177 mm)) for ease of examination and to avoid the tendency to place too much emphasis on the larger size fraction. The samples were described lithologically on a form

developed by the authors to standardize the descriptions. Sample colors were noted using the Rock Color Chart distributed by the Geological Society of America. Chemical tests used were a 10% hydrochloric acid solution and a calcite stain, to assist in the identification of calcite and dolomite, and a phosphate test solution. Microfossils were removed from the sample and placed on slides for identification. The samples were described at the interval in which they were collected, most commonly 10 feet in the case of cuttings. Cores were described for the sample interval recovered. The logs presented in this report are summaries of those detailed logs.

In the case of core samples, it was possible to do more detailed work. The cores were described microscopically in a manner similar to the cuttings. In addition, the Miocene sections of some cores were sampled and the minus one micron clay faction examined by x-ray diffraction. This was done to provide more information on the clay mineralogy of Miocene stratigraphic units and on Miocene depositional environments. Also, some samples were sent to L. E. Edwards of the U.S. Geological Survey for age determination based on dinoflagellate assemblages.

Stratigraphic Correlation

The goal of the authors in examining well samples and the descriptions of previous workers was to identify and correlate time-stratigraphic boundaries. These include the tops of the Oligocene, upper Eocene, middle Eocene, lower Eocene/ Paleocene, and Cretaceous. However, where the quality of samples permitted, lithostratigraphic names have been recorded on the logs. Generally, the authors followed the stratigraphic nomenclature and correlation presented by Huddlestun (1981 and in prep.)

Stratigraphic boundaries were determined using lithologic, paleontological, and geophysical evidence. The authors conferred in an effort to consistently apply criteria. In general, efforts were made to correlate from wells with reliable stratigraphic contacts to other wells in the vicinity. For example, a core with lithologic, paleontological, and geophysical data would be used to assist in determining stratigraphic contacts in a number of nearby wells with less data. Such correlation was generally possible provided care was taken to correlate among wells in the same position relative to the Gulf Trough (i.e. along the strike of the Trough). Facies changes are known to occur over relatively short distances across the Trough, making corelation difficult. The use of lithologic, paleontological, and geophysical criteria in determining stratigraphic contacts is discussed in more detail in the introduction to the data table.

STUDY AREA DESCRIPTION

The Gulf Trough area includes 27 counties extending southwest to northeast across the Coastal Plain of Georgia from Decatur, Grady, Thomas, and Brooks Counties along the Florida border to Screven and Effingham Counties along the South Carolina border (see Plate 1). The total area of the 27 counties is 11,546 square miles.

The study area extends across five physiographic districts of the Coastal Plain province (Fig. 1). Most of the study area lies in the Tifton and Vidalia Upland physiographic districts. These are topographically high areas of the Coastal Plain with elevations ranging up to 500 feet, and sloping downward toward the coast to 100 feet. Local

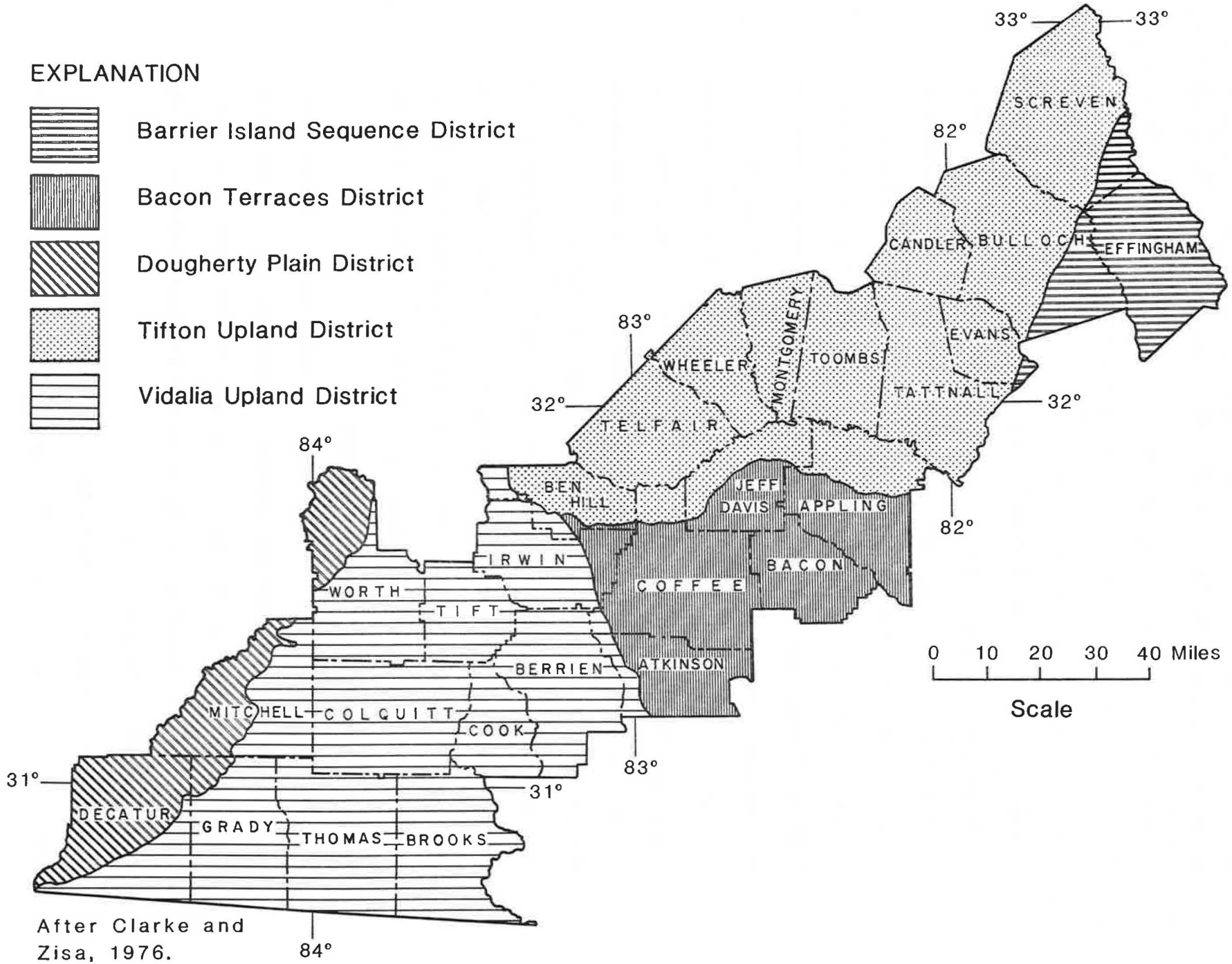

Figure 1. Physiographic districts of the Gulf Trough study area.

relief ranges from 50 to 200 feet. The northern boundary of these two physiographic districts generally corresponds to the updip limit of Neogene sediments. The southern boundary follows the drainage divide of the Altamaha River and the Orangeburg Escarpment. Parts of Decatur, Mitchell, Grady, and Worth Counties in the extreme southwest of the study area are in the Dougherty Plain, a relatively flat, low-lying karstic area of the Coastal Plain. The Dougherty Plain is separated from the Tifton and Vidalia Upland districts by the Pelham Escarpment. In the central part of the study area, parts of Irwin, Jeff Davis, Coffee, Bacon, and Appling Counties are in the Bacon Terraces physiographic district. This area is characterized by a series of relatively subtle, dissected, southwest-northeast trending marine terraces. Finally, in the extreme northern part of the study area, sections of southern Bulloch and Screven Counties and all of Effingham County lie in the Barrier Island Sequence physiographic district. This area has been influenced by Pleistocene sea level fluctuations and is characterized by relatively low land surface elevations ranging from 160 feet in southern Bulloch and Screven counties to less than 50 feet in Effingham County. This physiographic district is separated from the Vidalia Upland by the Orangeburg Escarpment.

Several major Georgia rivers cross or bound the study area. The Flint River flows through the extreme southwestern edge of the area. The Ocmulgee and Oconee Rivers merge to form the Altamaha River within the study area. Finally, the Ogeechee and Savannah Rivers cross the northern end of the study area.

The study area is basically rural in nature with agriculture being the major economic activity. The population is rural with concentra-

tions in small cities and towns. Eight cities have populations over 10,000 according to the 1980 U. S. Census (Bainbridge, Thomasville, Moultrie, Tifton, Fitzgerald, Vidalia, and Statesboro). Only Moultrie (15,708) and Thomasville (18,463) have populations over 15,000. The total population of the 27-county study area was 476,000 in 1980.

Geologically, the Coastal Plain of Georgia is composed of a wedge of clastic and carbonate sediments ranging in age from Jurassic(?) or Cretaceous to Recent. This sedimentary wedge ranges in thickness from a feather edge along the Fall Line to 7000 feet in southwestern Georgia. The Coastal Plain sediments lie unconformably on a basement of Piedmont crystalline rocks, Triassic red beds and volcanics, and Paleozoic sedimentary rocks.

The Gulf Trough is a long, narrow feature of the Georgia Coastal Plain where anomalous thicknesses and abrupt facies changes in Tertiary sediments are known to occur. The Trough itself is as narrow as 6 to 8 miles in places, but broadens to 30 to 40 miles at its southern end, where it merges with the Apalachicola Embayment. The Miocene series, typically about 200 feet thick in areas immediately adjacent to the Gulf Trough, is over 700 feet thick locally within the Trough. Oligocene sediments average about 100 feet in thickness outside the Trough, but are commonly over 500 feet thick in the Trough.

The Gulf Trough has a significant impact on ground water in the Floridan Aquifer, which in the area is composed of Oligocene and upper Eocene limestones. Transmissivity and well yields are low relative to areas outside the Trough. A pronounced increase in hydraulic gradient is evident along the Gulf Trough on potentiometric maps of the Floridan Aquifer (Krause and Hayes, 1981). Ground-water quality also is

affected, with areas of high sulfate, natural radioactivity, and barium associated with the Trough. Locally, water produced from the Floridan Aquifer does not meet Georgia's safe drinking water standards for these constituents.

ACKNOWLEDGEMENTS

The authors extend their thanks to Lucy E. Edwards of the U.S. Geological Survey, Reston, Virginia. Her work, using dinoflagellate assemblages, is a valuable contribution to our understanding of Gulf Trough Area stratigraphy. We also thank Harold E. Gill of the U.S. Geological Survey, whose review of this report led to a number of improvements. Finally, we wish to express our thanks to all those individuals and municipalities who supplied information and access to their wells, especially those who assisted our efforts by allowing core drilling on their land. The help of all these people has made the conduct of this study much less difficult.

PREVIOUS INVESTIGATIONS

Although the term "Gulf Trough of Georgia" was first proposed by Herrick and Vorhis in 1963, the feature was known to geologists earlier than that. Previous references, however, were vague and incomplete, and it is obvious that considerable confusion was caused by multiple names being assigned to the same feature. The Apalachicola Embayment, of which the Gulf Trough appears to be a narrow northeastward extension across Georgia, was first described by Johnson (1892), who used the

name "Chattahoochee Embayment". Johnson recognized this as a structurally low area of northwestern Florida. Stephenson (1928) and Leet (1940) both extended this low area into southwestern Georgia, referring to it as a syncline. Applin and Applin (1944) also noted this feature extending into southwest Georgia, but referred to it as structural in origin. The feature was described as a belt of thick Tertiary sediments by Pressler (1947), who named it the "Apalachicola Embayment of the Gulf Basin". Murray, in 1961, referred to the same feature as the "Southwest Georgia Basin". Stringfield (1966) named it the "Apalachicola Basin" while the name "Apalachicola Embayment" has been used by several workers including Puri and Vernon (1964), Hendry and Sproul (1966), and Sever, Cathcart, and Patterson (1967).

Although several workers recognized the Apalachicola Embayment as an area of thick Tertiary sediments extending into southwest Georgia, it was Toulmin (1952) who first realized that a narrow extension of anomalously thick Miocene sediments continued northeastward into Georgia at least as far as Tift County. Herrick and Vorhis (1963) also mapped this extension of thick Miocene sediments, referring to it as the "Gulf Trough of Georgia". Several subsequent workers used that name for the feature, including Hendry and Sproul (1966), Sever, Cathcart, and Patterson (1967), Sever (1964, 1966a, 1966b), Owen (1963), Gelbaum (1978), Gelbaum and Howell (1982), and Miller (1982). Zimmerman (1977) refers to this same feature as the "Suwannee Strait", although this name was previously used in reference to an older feature located farther east. Gelbaum (1978) extended the Gulf Trough across the Georgia Coastal Plain to Screven and Effingham Counties mainly on the indirect evidence of potentiometric data for the Floridan Aquifer.

A series of maps based on well data was presented by Gelbaum and Howell (1982) to show the Gulf Trough extending to Screven and Effingham Counties on the Georgia-South Carolina border.

Several theories have been advanced on the origin of the Gulf Trough. These include structural theories, usually referring to the Trough as a downfaulted area or graben, the theory that the Trough was a marine strait similar to the present-day Straits of Florida, and the theory that limestone solutioning played a major role in the development of the Trough. Fault movement, at least locally, in the Gulf Trough was proposed by Sever (1964, 1966a, and 1966b), Hendry and Sproul (1966), and Miller (1982). Gelbaum and Howell (1982) refer to the Trough as a depositional feature with local areas of downfaulting. The concept of a marine strait was favored by Rainwater (1956) and Zimmerman (1977), although Zimmerman also extended the Ochlocknee Fault of Sever (1966a, 1966b) into Colquitt County. Limestone solutioning was proposed by Toulmin and Winters (1954) and Stringfield (1966).

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DATA TABLE

DATA TABLE

GENERAL

The data table summarizes stratigraphic and location information on all wells used in the Gulf Trough project to date, including wells for which complete lithologic logs are published in this report. The majority of the wells are GGS wells (wells for which the Georgia Geologic Survey has lithologic samples), but the table also contains information on non-GGS wells. The table represents those wells for which the best and most complete information was available, and for which it was possible to make stratigraphic correlations.

FORMAT DESCRIPTION

Well Identification and Location Data

The following is a description, by column, of the format of the well identification and location data.

1) The name of the county in which the well is located. Wells are arranged alphabetically, by county.

2) The GGS number, where appropriate. Wells within each county are arranged numerically by GGS number. Wells having no GGS number follow the listing of GGS wells.

3) The well name. Wells are named for the most recent owner on record, or in the case of cores drilled by the Georgia Geologic Survey, are assigned county numbers.

4) The latitude and longitude. These listings represent the best available location information, in many cases verified in the field. The letter "e" designates an estimated location.

5) The land surface altitude, in feet, above mean sea level (L.S. Alt. (ft.)). These values are derived by plotting the latitude and longitude of each well on U. S. Geological Survey 7.5-minute topographic quadrangle maps. They are as accurate as

the location data and accuracy of the 7.5- minute map series (± 1/2 contour interval) allow. The letter "e" designates an estimated land surface altitude based on estimated locations.

Stratigraphic Data

The remainder of the table is divided into five columns, each headed with the name of a major time-stratigraphic unit. These are 1) Oligocene 2) upper Eocene 3) middle Eocene 4) lower Eocene/Paleocene, and 5) Cretaceous. Each of these columns is subdivided into two columns. The lefthand column shows the depth below land surface, in feet, to the top of the unit, and the righthand shows number and letter codes indicating the criteria used to determine the unit top, and the source from which the information was drawn. Because this table lists unit tops only, the Miocene, although a focus of this report, does not appear. The Miocene crops out throughout much of the study area, making determination of the top of the unit impossible in most cases due to erosion. In cases where a unit is not present in the stratigraphic section represented in a well, the word "None" is used in the depth column on the data table. The letter "a" preceeding the depth to top indicates that the contact is above the depth listed. This is due to missing samples, or to erosion of the upper surface of the unit. The letter "b" preceeding the depth to top indicates that the contact is below the depth listed. This is due to missing samples, or to the completion of the well at a depth insufficient to reach the contact.

The criteria applied in determining contacts are of three general types: paleontological, geophysical, and lithological. These are

given the number codes 1, 2, and 3, respectively. Special situations, explained below, are given the number codes 4 through 6. The Criteria and Source column lists as many of these codes as apply to each stratigraphic contact. The sources of data used for identifying stratigraphic contacts are given the letter codes A through N. These codes are listed immediately preceeding Table 1. For, example, the listing 1,2/B indicates a contact identified, using paleontological and geophysical data, by the authors of this report and published herein.

Paleontological Criteria (1)

Correlations on the basis of paleontological criteria were made wherever permitted by the presence and preservation of faunal remains. In this study, the primary sources of paleontological control are the foraminifers present in cuttings and core samples, and, in core samples only, the dinoflagellate assemblage.

Foraminiferal identifications were made by the authors, or drawn from published and unpublished sources credited in the data table. In many cases, specific identifications of the foraminiferal remains were not made, particularly of the larger foraminifers. For purposes of this study, generic identifications were often adequate to make stratigraphic correlation possible. The faunal lists for each well are available at the Georgia Geologic Survey.

The major time-stratigraphic units in the Gulf Trough study area are identified or characterized by the presence of one or more of the

following foraminiferal genera or species:

OLIGOCENE

Asterigerina subacuta
Dictyoconus sp.
Pararotalia mexicana
Lenticulina vicksburgensis
Pararotalia byramensis
Nummulites panamensis
Lepidocyclina sp.

UPPER EOCENE

Asterocyclina sp.
Eponides jacksonensis
Lepidocyclina ocalana
Lepidocyclina sp.
Nummulites floridensis

MIDDLE EOCENE

Cibicides westi

LOWER EOCENE/PALEOCENE

Eponides dorfi
Morozovella acuta

CRETACEOUS

Rugoglobigerina sp.
Globotruncana sp.
Anomalina pseudopapillosa
Lenticulina navarroensis

The dinoflagellate species, recovered from samples taken from Gulf Trough project cores, were identified by L. E. Edwards of the U. S. Geological Survey. Lists of these species form a part of the Gulf Trough project files, at the Georgia Geologic Survey, Atlanta.

Because of the large number of well logs described by S. M. Herrick and the wide use of these logs, it is necessary to discuss Herrick's identification of the foraminifer Asterocyclina. Most published identifications of Asterocyclina were checked by the authors. In cases where the presence of this fossil could not be verified, it was excluded from consideration in determining stratigraphic contacts. For this reason, the authors' interpretation of the top of the Eocene may differ from that of Herrick (1961) even where Herrick cites the presence of Asterocyclina in the samples.

Geophysical Criteria (2)

Many of the wells used in the study have geophysical logs which were run at some time after the well was drilled. A wide variety of logs are available, however the most commonly run logs, and the most frequently used for stratigraphic correlation in this study, are electrical and natural gamma logs. The type, quality, and format of these logs vary widely because the logs originated from different sources, using a variety of equipment.

Correlations using geophysical logs can be made reliably among some wells in the Gulf Trough study area. Because geophysical response is partly controlled by lithology, facies changes known to occur in the Trough (see discussion of lithologic criteria) affect geophysical signatures. The result is that geophysical logs sometimes cannot be correlated even over relatively short distances. On the other hand, geophysical logs can be remarkably similar over distances of tens of miles for wells parallel to the trend of the Gulf Trough. The

practice among the authors of this report was to use geophysical logs to correlate from wells which had supporting paleontological and lithologic data to nearby wells for which supporting data were missing or insufficient.

Lithologic Criteria (3)

Correlations on the basis of lithologic criteria can be difficlut and unreliable in the study area of the Gulf Trough. Facies changes are known to occur over relatively short distances, especially crossing the trend of the Trough, and lithologies at time-stratigraphic contacts are not consistent. However, lithologic criteria can be used reliably among nearby wells if one or more of the wells have supporting paleontological and/or geophysical information. This is especially true if the wells are located in the same position relative to the Gulf Trough (i.e. located parallel to the trend of the Trough). Unfortunately, correlations sometimes had to be made on the basis of lithologic criteria alone where nearby wells with supporting information were not available. In cases where a lack of supporting information made it impossible to correlate with confidence, the correlation was not made.

Other Criteria (4-6)

There are several situations where time-stratigraphic unit boundaries cannot be accurately determined, but where an approximation of that contact would be useful. This occurs where (4) the contact is

in a large sample gap, (5) where the contact is below, but is inferred to be near the bottom of the well, and (6) where the contact is above the land surface at the well site, i.e. the contact has been removed by erosion, and the well samples begin in a particular unit.

Sources (A-N)

The Criteria and Source columns of the following data table (Table 1) also contain coded information on the source of each time stratigraphic boundary interpretation. A set of letter codes, A-N, identifies the source from which stratigraphic criteria are drawn. They are as follows:

A. Applin and Applin (1964).

B. Authors, complete well log published in this report.

C. Authors, after unpublished data of the Gulf Trough project, on file at the Georgia Geologic Survey, Atlanta.

D. Authors, after Applin and Applin (1964).

E. Authors, after previous GGS investigators, log published herein.

F. Authors, after Herrick (1961).

G. Authors, after Herrick. Previously unpublished well log by S. M. Herrick, published herein, with new stratigraphic interpretation by the authors of this report.

H. Authors, after Sever. Previously unpublished well log by C. W. Sever, published herein, with new stratigraphic interpretation by the authors of this report.

I. Authors, after Owen. Previously unpublished well log by Vaux Owen, published herein, with new stratigraphic interpretation by the authors of this report.

J. Herrick (1961).

K. Herrick, this report. Previously unpublished well log by S. M. Herrick, published in this report.

L. Stratigraphic Contact by S. M. Herrick in Swanson and Gernazian (1979).

M. Unpublished data of the U. S. Geological Survey, on file at the Georgia Geologic Survey, Atlanta.

N. Unpublished data on file at the Georgia Geologic Survey, Atlanta.

County	GGS #	Well Name	Latitude-Longitude	L.S. Alt. (ft)	OLIGOCENE Depth to Top (ft)	OLIGOCENE Criteria and Source	UPPER EOCENE Depth to Top (ft)	UPPER EOCENE Criteria and Source	MIDDLE EOCENE Depth to Top (ft)	MIDDLE EOCENE Criteria and Source	L. EOC./PALEOCENE Depth to Top (ft)	L. EOC./PALEOCENE Criteria and Source	CRETACEOUS Depth to Top (ft)	CRETACEOUS Criteria and Source
Appling	50	City of Baxley	31 46 40 82 21 03	204	515	1/J	610	1/J	b 840	5/J	-	-	-	-
	148	W.E. Bradley #1	31 52 43 82 23 11	225	520	1/J	640	1/J	960	2,3/F	1600	2,3/F	1990	3/F
	161	Baptist Children's Home, Baxley	31 49 57 82 28 10e	242e	550	3/J	630	1/J	-	-	-	-	-	-
	1059	City of Baxley	31 46 13 82 21 02	203	b 520	3/C	-	-	-	-	-	-	-	-
	1701	J.A. Oliff	31 30 28 82 09 50	144	610	1/C	-	-	-	-	-	-	-	-
	-	Griffis #1-28L005	31 34 12 82 09 35	130	540	1/N	620	1/N	b 874	5/N	-	-	-	-
Atkinson	107	Sun Oil Doster-Ladson #1	31 16 00 82 57 18e	214	260	1/J	390	3/J	780	2,3/A	1480	2,3/J	1804	1,2/A
	410	James W. Gaskins	31 25 00 83 06 35	295	274	3/K	b 425	5/K	-	-	-	-	-	-
	425	City of Pearson #1	31 17 54 82 51 19	199	290	3/J	400	1/J	-	-	-	-	-	-
	918	City of Willacoochee	31 20 16 83 02 56	243	270	1/K	415	1/K	-	-	-	-	-	-
	1548	Henry Crosby #1	31 18 57 82 43 59	171	340	1/G	-	-	-	-	-	-	-	-
	1549	Henry Cook #1	31 20 07 82 50 49	189	270	1/K	-	-	-	-	-	-	-	-
	1557	Edwin Davis #1	31 20 33 82 50 28	206	290	1/K	b 360	5/K	-	-	-	-	-	-

County	GGS #	Well Name	Latitude-Longitude	L.S. Alt. (ft)	OLIGOCENE Depth to Top (ft)	OLIGOCENE Criteria and Source	UPPER EOCENE Depth to Top (ft)	UPPER EOCENE Criteria and Source	MIDDLE EOCENE Depth to Top (ft)	MIDDLE EOCENE Criteria and Source	L. EOC./PALEOCENE Depth to Top (ft)	L. EOC./PALEOCENE Criteria and Source	CRETACEOUS Depth to Top (ft)	CRETACEOUS Criteria and Source
Atkinson	1714	Felton Morris #1	31 20 52 82 50 33	193	300	1/K	-	-	-	-	-	-	-	-
	1715	Julian Haskins #1	31 19 27 83 51 35	195	270	1/K	b 335	5/K	-	-	-	-	-	-
	1716	Clarence Royal #1	31 22 12 82 53 07	212	310	1/K	-	-	-	-	-	-	-	-
	1717	Nettie White #1	31 15 45 82 43 47e	150e	350	3/K	-	-	-	-	-	-	-	-
	1848	Ed J. Gaskin	31 17 49 82 42 52	164	340	1/K	b 420	5/K	-	-	-	-	-	-
	1855	Elijah Vickers	31 17 37 82 41 16	154	360	3/K	-	-	-	-	-	-	-	-
	1877	B. J. Sutton #1	31 18 33 82 43 34	166	360	1/K	-	-	-	-	-	-	-	-
	2122	Clifford Pope	31 19 01 82 45 42	186	350	1/K	b 430	5/K	-	-	-	-	-	-
	2164	Thomas Davis #1	31 17 11 82 42 00	162	360	3/K	-	-	-	-	-	-	-	-
Bacon	58	City of Alma	31 32 27 82 28 02	201	450	1/A,J	500	1/A,J	-	-	-	-	-	-
Ben Hill	154	City of Fitzgerald #3/C	31 42 58 83 14 44	353	256	1/J	350	1/J	725	3/J	-	-	-	-
	160	W. A. Pope	31 42 25 83 16 32	355	260	1/J	360	1/J	-	-	-	-	-	-
	355	City of Fitzgerald #4/D	31 42 55 83 15 38	363	243	1/J	-	-	-	-	-	-	-	-

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Ben Hill	1738	Audrey Jordan	31 44 43 83 14 12	359	260	1/K	b 410	5/K	-	-	-	-	-	-
	1830	H. W. Iveymeyer	31 44 48 83 17 25	368	240	1/K	-	-	-	-	-	-	-	-
	1832	Joe S. Phillips #1	31 41 22 83 18 03	354	240	1/K	340	1/K	-	-	-	-	-	-
	1838	Jake Smith #1	31 46 05 83 13 08	248	130	1/K	210	1/K	-	-	-	-	-	-
	1842	Lois Reeves	31 45 24 83 17 48	335	200	1/K	300	1/K	-	-	-	-	-	-
	1858	Fitzgerald Airport	31 41 15 83 16 11	362	260	1/K	340	1/K	-	-	-	-	-	-
	1863	Clayton Minshew	31 47 41 83 26 11	372	210	1/K	-	-	-	-	-	-	-	-
	1867	Haynes Moorehead #1	31 40 35 83 14 05	352	264	1/K	-	-	-	-	-	-	-	-
	1868	J. R. Tomberlin #1	31 46 22 83 24 29	365	180	1/K	-	-	-	-	-	-	-	-
	1869	Clayton Gibbs #1	31 46 02 83 23 02	378	190	1/K	-	-	-	-	-	-	-	-
	1872	C. A. Vickers	31 39 29 83 14 18	334	230	3/K	320	4/G	-	-	-	-	-	-
	1883	J. H. Dorminey	31 42 45 83 10 02	350	270	3/E	350	1/E	-	-	-	-	-	-
	1884	Kyle Fuller #1	31 41 17 83 11 35	356	300	1/K	b 410	5/K	-	-	-	-	-	-

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Ben Hill	1898	City of Fitzgerald, Well E	31 42 28 83 15 41	335	240	1/K	337	1/K	654	1,2,3/K	-	-	-	-
	2111	Ben Hill County Farms	31 46 23 83 16 07	260	130	1/K	-	-	-	-	-	-	-	-
	3037	Trees Inc.	31 49 42 83 09 21	197	100	1/K	215	1/K	b 390	5/G	-	-	-	-
Berrien	159	L. R. King	31 18 05 83 15 20	250	b 317	5/J	-	-	-	-	-	-	-	-
	1368	City of Alapaha	31 22 50 83 13 15	291	380	1/K	490	1/K	-	-	-	-	-	-
	1550	J. A. Grissett	31 04 05 83 11 15	211	b 225	5/N	-	-	-	-	-	-	-	-
	1577	J. C. Tyson	31 22 32 83 24 33	295	b 540	5/N	-	-	-	-	-	-	-	-
	1815	City of Nashville	31 12 30 83 13 54	235	260	1/K	445	4/G	-	-	-	-	-	-
	1843	J. W. McGill #1	31 13 55 83 12 30	244	270	3/K	-	-	-	-	-	-	-	-
	1856	R. E. Tucker	31 14 10 83 14 35	249	270	3/K	-	-	-	-	-	-	-	-
	1860	Lillia May Scarborough	31 13 57 83 16 02	243	260	1/K	-	-	-	-	-	-	-	-
	1875	Jack Poole #1	31 12 50 83 15 90	215	320	3/K	-	-	-	-	-	-	-	-
	1881	Billy Williams	31 20 15 83 16 45	272	300	1/K	-	-	-	-	-	-	-	-

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Berrien	1960	Jim West #1	31 12 57 83 16 32	210	240	1/K	b 300	5/K	-	-	-	-	-	-
	2039	C. L. Cooper	31 27 45 83 21 00	307	440	1/K	b 575	5/K	-	-	-	-	-	-
	2040	Herbert Rogers #1	31 14 05 83 16 20	220	250	1/K	-	-	-	-	-	-	-	-
	2049	R. L. Rice #1	31 05 45 83 12 35	214	230	3/K	b 310	5/K	-	-	-	-	-	-
	2082	Cairo McMillian #1	31 28 00 83 20 15	308	470	1/K	-	-	-	-	-	-	-	-
	2083	Howard Ray #1	31 06 32 83 12 44	217	230	3/K	b 320	5/K	-	-	-	-	-	-
	2104	D. M. Nelms #1	31 09 40 83 14 15	226	270	1/K	-	-	-	-	-	-	-	-
	2105	E. W. Smith #1	31 09 25 83 14 15	222	240	1/K	b 340	5/K	-	-	-	-	-	-
	2126	Jerry Metts	31 25 57 83 10 45	301	b 530	5/E	-	-	-	-	-	-	-	-
	2128	Shannon Futch	31 09 05 83 13 15	216	420	3/E	-	-	-	-	-	-	-	-
	2146	C. E. Durrence	31 10 40 83 13 00	223	275	1/K	-	-	-	-	-	-	-	-
	2166	J. R. McMillian	31 21 45 83 20 50	268	b 605	5/E	-	-	-	-	-	-	-	-
	2167	Joe Lloyd #1	31 14 30 83 02 50e	220e	230	3/K	-	-	-	-	-	-	-	-

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Berrien	3542	Berrien #10	31 25 37 83 17 56	320	604	1,2,3/B	977	3/B	b 1271	5/B	-	-	-	-
Brooks	3	J. J. Warren	30 48 27 83 36 02	165	60	3/J	b 200	5/J	-	-	-	-	-	-
	21	H. R. Garret	30 41 43 83 28 36	195	175	1/J	b 310	5/J	-	-	-	-	-	-
	77	Southside Consolidated School #1	30 40 55 83 31 12	200	120	3/J	-	-	-	-	-	-	-	-
	87	A. J. Falson	31 00 30 83 30 50	245	b 220	5/J	-	-	-	-	-	-	-	-
	184	E. M. Rogers, Sr.	30 57 07 83 36 54	158	-	-	-	-	885	3/J	1710	3/F	2230	1,2/A
	469	City of Quitman #1	30 46 36 83 32 53	210	150	1/J	b 304	5/F	-	-	-	-	-	-
	723	Brooks Co. Training School	30 47 30 83 40 04	191	210	1/K	-	-	-	-	-	-	-	-
	759	R. S. Gilmer #1	30 51 08 83 44 05	235	110	1/K	b 231	5/K	-	-	-	-	-	-
	840	Essie McKnown #1	30 41 36 83 32 04	189	105	3/K	-	-	-	-	-	-	-	
	846	City of Morven	30 56 58 83 29 32	219	175	1/K	b 296	5/K	-	-	-	-	-	-
	888	Mrs. Renew #1	30 43 38 83 36 36	150	100	1/K	-	-	-	-	-	-	-	-
	889	Morning Star Church #1	30 48 19 83 28 20	184	120	1/K	-	-	-	-	-	-	-	-

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Brooks	892	Willie Monds	30 51 39 83 31 37	212	190	1/K	-	-	-	-	-	-	-	-
	893	W. R. Hunter #1	30 54 00 83 31 35	228	150	1/K	-	-	-	-	-	-	-	-
	894	Hunter #1	30 44 25 83 44 30	127	90	1/K	-	-	-	-	-	-	-	-
	895	Fred Dodd #1	30 53 03 83 42 27	228	120	1/K	b 240	5/K	-	-	-	-	-	-
	896	J. C. Haskle	30 49 28 83 29 45	223	100	1/K	-	-	-	-	-	-	-	-
	897	C. V. Nicholds	30 49 30 83 36 00	205	160	1/K	-	-	-	-	-	-	-	-
	898	O. D. Blackburn #1	30 45 07 83 35 08	127	100	1/K	b 209	5/K	-	-	-	-	-	-
	899	J. E. Cooper #1	30 53 10 83 27 30	219	90	1/K	b 220	5/K	-	-	-	-	-	-
	900	C. L. Willaford	30 55 00 83 34 50	201	100	1/K	-	-	-	-	-	-	-	-
	901	Virgil Griner #1	30 52 12 83 30 00	225	110	1/K	-	-	-	-	-	-	-	-
	902	Ed Hutchinson #1	30 50 00 83 43 00	218	120	1/K	-	-	-	-	-	-	-	-
	905	W. B. Turner #1	30 52 16 83 39 57e	230e	-	-	b 296	5/N	-	-	-	-	-	-
	911	McCord #1	30 52 12 83 30 30	215	170	1/K	-	-	-	-	-	-	-	-

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Brooks	912	Lyman Hynes #1	30 48 15 83 33 40	155	80	1/K	b 200	5/K	-	-	-	-	-	-
	1005	J. M. Tyson #1	30 53 00 83 38 15	213	190	1/K	-	-	-	-	-	-	-	-
	1006	J. W. Stipe #1	30 44 37 83 40 00	183	120	1/K	-	-	-	-	-	-	-	-
	1106	Paul Patrick #1	30 49 03 83 29 45	185	115	1/G	-	-	-	-	-	-	-	-
	1387	E. C. Cooper	31 01 30 83 43 30	235	150	1/K	-	-	-	-	-	-	-	-
	1390	Arthur Bass #1	30 48 17 83 24 10	165	100	3/K	-	-	-	-	-	-	-	-
	1436	Thomas A. Calhoun	30 55 55 83 28 50	185	90	1/K	-	-	-	-	-	-	-	-
	3189	Brooks #7 (U.S. Gypsum 76-2A)	30 56 26 83 44 06	220	143	3/B	293	3/B	-	-	-	-	-	-
	3208	Brooks #8 (U.S. Gypsum 76-4)	30 59 11 83 36 52	160	a 61	6/B	227	3/B	-	-	-	-	-	-
	3209	Brooks #9 (U.S. Gypsum 76-2C)	30 56 36 83 44 12	200	-	-	279	1/B	748	3/B	-	-	-	-
	3211	Brooks #10 (U.S. Gypsum 76-10)	31 00 59 83 43 52	260	a 186	6/B	399	3/B	796	3/B	-	-	-	-
Bulloch	81	Statesboro Airfield U.S. Gov't. #2	32 29 05 81 45 03	162	300	1/J	400	3/J	-	-	-	-	-	-
	378	City of Statesboro #4	32 26 59 81 47 19	223	365	3/J	465	3/J	540	3/J	b 921	5/J	-	-

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Bulloch	393	J. F. Darley	32 24 30 81 45 55	193	475	1/K	b 577	5/K	-	-	-	-	-	-
	430	Bulloch Co. #1 Willow Hill School	32 30 49 81 53 55	305	348	1/J	360	1/F	-	-	-	-	-	-
	432	Nevils Elementary School	32 16 08 81 45 36	185	380	1/J	415	1/F	-	-	-	-	-	-
	439	James Washington (New Hope School)	32 20 15 81 54 10	241	470	1/G	b 560	5/K	-	-	-	-	-	-
	553	City of Brooklet	32 22 42 81 39 45	155	310	3/F	465	1/F	-	-	-	-	-	-
	571	City of Portal	32 32 10 81 56 00	290	383	1/F	465	3/F	-	-	-	-	-	-
	576	Wm. Smith #1	32 28 35 81 52 34	252	351	3/K	b 450	5/K	-	-	-	-	-	-
	580	City of Statesboro #3	32 27 00 81 46 48	228	363	1/E	492	1/E	-	-	-	-	-	-
	584	Claude Cowart	32 32 25 81 56 15	275	b 358	5/C	-	-	-	-	-	-	-	-
	586	Henry Blitch #1	32 26 06 81 53 30	230	360	1/E	b 410	5/E	-	-	-	-	-	-
	666	Bulloch Co. Grower's Assoc.	32 29 01 81 48 28	222	330	3/K	-	-	-	-	-	-	-	-
	737	J. P. Stevens Co.	32 32 30 81 42 52	160	226	1,3/C	b 346	5/C	-	-	-	-	-	-
	929	Frank Dickerson #1	32 32 36 81 52 56	242	286	1/K	b 304	5/K	-	-	-	-	-	-

County	GGS #	Well Name	Latitude-Longitude	L.S. Alt. (ft)	OLIGOCENE		UPPER EOCENE		MIDDLE EOCENE		L. EOC./PALEOCENE		CRETACEOUS	
					Depth to Top (ft)	Criteria and Source	Depth to Top (ft)	Criteria and Source	Depth to Top (ft)	Criteria and Source	Depth to Top (ft)	Criteria and Source	Depth to Top (ft)	Criteria and Source
Bulloch	1044	City of Statesboro #5	32 27 23 81 46 27	190	334	1,2/K	410	1,2,3/K	580	2/G	1131	2,3/G	b 1526	5/G
	1518	Raymond G. Hodges	32 16 31 81 46 17	160	410	1/C	-	-	-	-	-	-	-	-
	1707	Dr. John Boole #1	32 20 35 81 45 45	187	450	1/K	b 520	5/K	-	-	-	-	-	-
	1708	T. Eugene Nesmith #1	32 17 09 81 43 25	192	b 470	5/C	-	-	-	-	-	-	-	-
	1709	Creasy Brothers #1	32 23 56 81 49 10	215	430	1,3/K	-	-	-	-	-	-	-	-
	3210	City of Statesboro #6	32 28 12 81 47 11	200	302	1,2,3/B	448	2,4/B	588	2,3/B	1225	2,3/B	b 1461	5/B
	3520	GGS Bulloch Co. North	32 31 23 81 51 16	198	270	1,2/B	415	2,3/B	560	2/B	b 860	5/B	-	-
	3522	GGS Bulloch Co. South	32 12 40 81 41 15	118	415	1/B	450	1,3/B	770	2,3/B	-	-	-	-
	-	Bulloch Co. J.H.S.-31T021	32 29 24 81 48 51	251	-	-	448	2/C	-	-	-	-	-	-
Candler	429	Carl Daughtry #1	32 23 40 82 01 37e	193e	320	1/F	455	3/F	-	-	-	-	-	-
	574	J. O. Rocker #1	32 26 45 81 59 15	255	345	1/J	430	3/J	-	-	-	-	-	-
	575	Georgia Forestry Commission	32 23 20 81 58 57	218	413	1/K	b 533	5/K	-	-	-	-	-	-
	581	Jessie A. Durdon #1	32 27 15 82 07 00	273	296	1/J	389	3/J	-	-	-	-	-	-

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Candler	582	Josh Durdon #1	32 28 39 82 02 39	285	389	1/J	430	3/J	-	-	-	-	-	-
	591	Perry Rountree #1	32 24 27 82 32 02	215	327	1/K	b 450	5/K	-	-	-	-	-	-
	592	Emerson Jones #1	32 28 07 81 59 52	249	327	3/K	b 450	5/K	-	-	-	-	-	-
	636	Linwood Rushton	32 30 30 82 07 10	278	329	1/K	b 371	5/K	-	-	-	-	-	-
	740	W. B. Bazemore #1	32 27 42 82 05 29	230	327	3/K	b 431	5/K	-	-	-	-	-	-
	932	E. R. Donaldson	32 29 06 82 02 18	237	378	3/C	-	-	-	-	-	-	-	-
	963	Irvin Brannen #1	32 20 08 82 00 06	232	574	1/K	b 635	5/K	-	-	-	-	-	-
	1041	Berry Donaldson	32 29 47 82 02 24	260	375	3/C	-	-	-	-	-	-	-	-
	1702	Mrs. M. L. Morris	32 19 55 82 09 10	268	440	1/K	b 530	5/K	-	-	-	-	-	-
Coffee	236	Coffee Co. Board of Education	31 35 45 83 00 20	310	b 485	5/J	-	-	-	-	-	-	-	-
	243	Heabern Scool #1	31 26 58 82 58 58e	198e	b 290	5/J	-	-	-	-	-	-	-	-
	434	City of Nichols	31 30 57 82 38 06	187	400	1,3/J	510	1/J	-	-	-	-	-	-
	445	Mrs. Nina McLean	31 45 40 82 56 25	165	290	1,3/B	430	1/B	1010	2/B	1430	3/B	1625	1,2/B

County	GGS #	Well Name	Latitude-Longitude	L.S. Alt. (ft)	OLIGOCENE Depth to Top (ft)	OLIGOCENE Criteria and Source	UPPER EOCENE Depth to Top (ft)	UPPER EOCENE Criteria and Source	MIDDLE EOCENE Depth to Top (ft)	MIDDLE EOCENE Criteria and Source	L. EOC./PALEOCENE Depth to Top (ft)	L. EOC./PALEOCENE Criteria and Source	CRETACEOUS Depth to Top (ft)	CRETACEOUS Criteria and Source
Coffee	446	Mrs. Susie Harper	31 43 15 82 55 45	270	495	1,3/B	935	1/B	1140	2,3/B	b 1440	5/B	-	-
	447	T. H. Knight	31 41 42 82 53 35	305	560	2/C	b1015	2/C	-	-	1670	2/C	1825	2/C
	448	D. D. Byrd	31 42 22 82 51 00	300	480	2/C	840	2/C	1250	2/C	b 1600	5/C	-	-
	468	C. T. Thurman #1	31 42 41 82 54 10	312	530	2/B	1000	3/B	-	-	1630	2,4/B	1820	2/B
	508	J. H. Kight #1	31 41 17 82 53 24	265	540	3/B	1010	3/B	1360	2/B	1680	2,3/B	1810	2/B
	509	Terrell Thurman #2	31 42 44 82 54 07	309	520	1,3/C,N	1050	1,3/N	1235	2,3/C,N	1624	2,3/A,C	1810	2/C
	510	W. D. Wall #1	31 38 52 82 52 31	280	None	1,3/B	440	1,3/B	1190	3/B	1560	3/B	1940	3/B
	641	John Pridgen	31 41 40 82 55 35	299	b 530	5/N	-	-	-	-	-	-	-	-
	1525	Tommy Dorminey	31 28 47 82 56 35	224	330	1,3/N	b 360	5/N	-	-	-	-	-	-
	1532	Harold Grove Church	31 27 19 82 47 33	227	b 370	5/N	-	-	-	-	-	-	-	-
	1538	J. E. Courson	31 36 48 82 44 23	257	b 400	5/E	-	-	-	-	-	-	-	-
	1558	Odis Carver	31 30 00 82 58 15	282	b 300	5/N	-	-	-	-	-	-	-	-
	1559	Lowell Adams	31 32 17 82 57 27	292	b 490	5/N	-	-	-	-	-	-	-	-

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Coffee	1719	Wilburn B. Harper	31 38 55 82 59 00	281	b 450	5/N	-	-	-	-	-	-	-	-
	1747	Francis Williams	31 24 02 82 41 15	181	b 350	5/N	-	-	-	-	-	-	-	-
	1748	L. N. Head	31 38 40 82 56 01	245	b 440	5/N	-	-	-	-	-	-	-	-
	1825	City of Ambrose	31 35 45 83 01 03	315	620	1,3/B	b 1120	5/B	-	-	-	-	-	-
	3033	General Coffee State Park #1	31 30 42 82 45 36	215	340	1/K	500	1,3/K	-	-	-	-	-	-
	3034	General Coffee State Park #2	31 31 27 82 46 00	200	290	1/E	430	1/E	-	-	-	-	-	-
	3041	City of Douglas #1	31 30 18 82 50 52	251	400	1/K	490	1/K	b 650	5/K	-	-	-	-
	3127	Oveda Fussell	31 27 17 83 08 04	275	a 420	6/B	-	-	1300	2/B	1550	2/B	1770	1,2/B
	3541	Coffee #4	31 42 48 82 54 09	290	567	3/B	992	3/B	-	-	-	-	-	-
Colquitt	22	City of Moultrie #2	31 10 46 83 45 10	305	470	1,3/F	b 800	5/F	-	-	-	-	-	-
	170	D. G. Arrington #1	31 11 05 83 54 03	287	470	3/B	1020	4/B	1070	2/B	1340	2/B	1680	1/B
	175	City of Moultrie #3	31 10 03 83 47 10	317	460	1/B	-	-	-	-	-	-	-	-
	188	U. S. Gov't. #1 Spence Field	31 08 15 83 42 33	282	245	1/B	515	1/B	-	-	-	-	-	-

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Colquitt	688	S. Georgia Water Co.	31 13 49 83 44 52	330	b 523	5/H,1	-	-	-	-	-	-	-	-
	767	Mathews Bros. Farms	31 12 58 83 49 50	312	415	3/K	-	-	-	-	-	-	-	-
	785	Ben Taylor	31 05 34 83 47 05	280	210	1,3/H	-	-	-	-	-	-	-	-
	786	H. W. Lanier	31 02 32 83 48 32	266	165	1,3/H	-	-	-	-	-	-	-	-
	848	Ed Lewis #1	31 05 28 83 48 54	282	350	1,3/K	-	-	-	-	-	-	-	-
	869	Edgar Walden	31 05 22 83 35 08e	204e	225	3/N	-	-	-	-	-	-	-	-
	870	W. W. Allman #1	31 07 57 83 38 55	238	400	1/K	-	-	-	-	-	-	-	-
	877	W. M. Brooks	31 14 27 83 52 10	352	a 700	4/B	b 920	5/B	-	-	-	-	-	-
	1018	F. E. Kilgore #1	31 03 25 83 44 52e	235e	145	1/K	-	-	-	-	-	-	-	-
	1242	Eugene Gay	31 13 13 83 59 36	279	240	1,3/E	-	-	-	-	-	-	-	-
	1243	D. E. Smith	31 17 56 83 55 57	365	290	3/E	-	-	-	-	-	-	-	-
	1246	Griffin #1	31 08 31 83 48 48	291	440	1/K	-	-	-	-	-	-	-	-
	1248	O. C. Causey #1	31 12 50 83 48 25	310	430	1,3/K	b 625	5/K	-	-	-	-	-	-

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Colquitt	1256	J.S. Pinkard #1	31 13 01 83 42 18	299	450	3/K	-	-	-	-	-	-	-	-
	1260	Bridgeport Brass Co. #1	31 11 03 83 44 45	305	440	3/K	-	-	-	-	-	-	-	-
	1268	J. C. Boyd #1	31 12 27 83 44 34	315	460	1/K	-	-	-	-	-	-	-	-
	1416	L. Dorminey #1	31 11 15 83 34 15	270	270	1/K	-	-	-	-	-	-	-	-
	1419	Mrs. R. L. Millings #1	31 08 15 83 57 24	307	475	3/K	b 820	5/G	-	-	-	-	-	-
	1421	Billy Thompson	31 12 25 83 47 50	318	420	1/C	-	-	-	-	-	-	-	-
	1455	D. C. Smith #1	31 19 13 83 52 05	355	280	1/K	b 380	5/K	-	-	-	-	-	-
	1467	J. L. Holman #1	31 11 30 83 44 48	290	440	3/K	-	-	-	-	-	-	-	-
	1614	Frank Mashburn #1	31 14 49 83 50 38	330	480	1,3/K	-	-	-	-	-	-	-	-
	1617	I. J. Sikes #1	31 16 20 83 52 00	355	460	1,3/K	b 620	5/K	-	-	-	-	-	-
	1620	J. Q. Davis	31 16 09 83 55 58	328	280	1/K	b 365	5/K	-	-	-	-	-	-
	1649	I. D. Carlton	31 13 45 83 46 35	328	440	4/G	-	-	-	-	-	-	-	-
	1799	C. H. Hobby	31 18 01 83 38 23	292	b 660	5/C	-	-	-	-	-	-	-	-

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Colquitt	1910	Dean and Gene Arnett	31 10 58 83 55 21	332	b 760	5/B	-	-	-	-	-	-	-	-
	1911	V. Eugene Clark #1	31 03 53 83 44 09e	235e	100	4/G	-	-	-	-	-	-	-	-
	1918	W. H. Sinclair #1	31 15 58 83 43 08	338	582	1/K	-	-	-	-	-	-	-	-
	1922	Sam Rentz #1	31 15 42 83 30 50	239	250	1/K	-	-	-	-	-	-	-	-
	1937	G. E. Clark	31 17 29 83 37 50	308	b 722	5/C	-	-	-	-	-	-	-	-
	1938	G. E. Clark	31 17 10 83 37 35	315	b 545	5/C	-	-	-	-	-	-	-	-
	1943	D. C. Dorminey #1	31 19 08 83 56 44	358	176	1/K	-	-	-	-	-	-	-	-
	1952	Roger Dunn	31 18 38 83 34 41	332	622	3/B	b 1008	5/B	-	-	-	-	-	-
	1964	W. L. Gibbs	31 14 58 83 40 09	324	482	1/K	-	-	-	-	-	-	-	-
	1965	Deford Summerlain	31 13 34 83 54 39	359	b 482	5/E	-	-	-	-	-	-	-	-
	1968	C. Murphy	31 09 40 83 49 47	318	440	1/B	b 800	5/B	-	-	-	-	-	-
	1975	Ralph McLure #1	31 18 30 83 57 30	350	230	1/K	-	-	-	-	-	-	-	-
	2043	Doris Holloway Deberry #1	31 16 43 83 49 01	365	470	1,3/K	b 640	5/K	-	-	-	-	-	-

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Colquitt	2094	M. L. Passmore #1	31 17 30 83 57 00	338	260	3/K	-	-	-	-	-	-	-	-
	3179	Colquitt #3	31 17 33 83 43 24e	350e	b 705	5/B	-	-	-	-	-	-	-	-
	3195	City of Norman Park	31 15 43 83 40 22	330	470	1/B	910	2/B	b 1210	5/B	-	-	-	-
	3196	Colquitt #4 (U.S. Gypsum 76-5)	31 08 24 83 39 48	245	a 180	4/B	326	3/B	792	3/B	-	-	-	-
	3199	Colquitt #5 (U.S. Gypsum 76-8)	31 13 01 83 48 56	290	396	1,3/B	-	-	-	-	-	-	-	-
	3212	Colquitt #6 (U.S. Gypsum 76-3)	31 04 29 83 40 54	225	162	3/B	330	1/B	-	-	-	-	-	-
	3213	Colquitt #7 (U.S. Gyspum 76-7)	31 06 23 83 44 14	270	a 195	6/B	390	1,3/B	861	3/B	-	-	-	-
	3214	Colquitt #8 (U.S. Gyspum 76-6)	31 02 43 83 46 10	245	144	3/B	316	3/B	800	3/B	-	-	-	-
	3456	Houston Oil & Mineral #1	31 14 16 83 54 48	348	500	1/B	830	1/B	950	3/B	1328	2/B	1660	1,2/B
	3535	Colquitt #9	31 13 05 83 48 55	290	-	-	976	3/B	1160	3/B	b 1321	5/B	-	-
	3544	Colquitt #10	31 06 12 83 44 05	255	175	3/B	-	-	-	-	-	-	-	-
	3545	Colquitt #11	31 17 54 83 53 56	350	316	2,3/B	698	3/B	791	3/B	-	-	-	-
	-	Funston Gin 14H10	31 12 03 83 52 36	357	540	2/C	b 1024	2/C	-	-	-	-	-	-

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Colquitt	-	City of Moultrie 15H12	31 10 46 83 47 10	305	408	3/A	670	1/A	-	-	-	-	-	-
Cook	25	City of Lenox	31 16 10 83 28 00	293	358	4/F	b 491	5/J	-	-	-	-	-	-
	39	City of Adel #1	31 08 17 83 25 34	240	209	3/J	-	-	-	-	-	-	-	-
	105	Mrs. Bryant Gaskins	31 13 15 83 24 20	272	b 280	5/K	-	-	-	-	-	-	-	-
	114	Dave Jackson	31 07 30 83 25 15	235	b 220	5/K	-	-	-	-	-	-	-	-
	118	Dr. Dismuke	31 07 15 83 32 15	228	190	1/J	b 280	5/J	-	-	-	-	-	-
	122	City of Adel #3	31 08 27 83 25 27	239	231	1/F	-	-	-	-	-	-	-	-
	682	City of Adel #4	31 07 42 83 25 13	232	240	3/H	-	-	-	-	-	-	-	-
	684	City of Lenox #2	31 16 23 83 27 42	295	260	1/K	460	3/K	-	-	-	-	-	-
	966	USGS Adel Test Well	31 08 12 83 26 05	241	195	1/K	415	1/K	855	3/G	-	-	-	-
	1264	USGS TW #2	31 12 39 83 26 57	265	b 210	5/H	-	-	-	-	-	-	-	-
	1423	City of Cecil #1	31 02 40 83 23 40	245	215	1/K	-	-	-	-	-	-	-	-
	1497	Otis Forsautle	31 02 50 83 23 55	231	200	3/H	-	-	-	-	-	-	-	-

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Cook	1576	Lake View Church	31 17 18 83 29 33	295	b 370	5/E	-	-	-	-	-	-	-	-
	1638	R. E. Stripling	31 14 15 83 28 00	268	290	1/E	-	-	-	-	-	-	-	-
	1927	George Medford	31 20 10 83 26 25	290	b 580	5/E	-	-	-	-	-	-	-	-
	1969	A. T. Meyers	31 13 15 83 30 15	222	240	1/E	-	-	-	-	-	-	-	-
	3350	City of Adel S.T.P.	31 07 15 83 23 21	205	170	1/E	360	1/E	-	-	-	-	-	-
Decatur	10	U.S. Gov't Basic Flying Field	30 58 50 84 37 45	130	-	-	a 82	6/K	330	3/G	-	-	-	-
	49	Bainbridge Basic Flying School #3	30 58 59 84 37 57	133	-	-	a 190	4,6/J	295	3/F	-	-	-	-
	55	Bainbridge Basic Flying School #2	30 59 01 84 38 04	135	-	-	a 90	4,6/N	315	3/D	-	-	-	-
	57	Bainbridge Basic Flying School #1	30 58 53 84 38 06	135	-	-	a 55	6/F	306	3/A	b 1035	5/A,J	-	-
	168	Hunt Oil Co. Metcalf #1	30 48 30 84 39 05	88	-	-	a 138	4,6/J	345	3/J	1200	3/J	2050	1/A
	191	H. W. Martin #1	30 58 43 84 31 53	138	-	-	-	-	-	-	1260	2/N	1670	1/A
	206	Calvary Devl. Co. W. P. Scott #1	30 42 30 84 23 12	270	480	4/C	-	-	1720	3/C	1840	3/C	2470	1/C
	228	City of Bainbridge #3	30 53 35 84 34 13	131	-	-	a 75	6/J	350	3/J	-	-	-	-

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Decatur	387	J. R. Sealy #1	30 45 29 84 50 46e	78e	-	-	-	-	a1120	3/N	1280	3/N	2000	3/N
	540	Renwar Oil Co. G. E. Dollar #1	30 59 20 84 29 35	145	-	-	-	-	a510	6/C	1290	3/C	1650	1/C
	749	J. Gardner	30 42 45 84 37 25	290	b 220	5/H	-	-	-	-	-	-	-	-
	824	W. Wright	30 47 05 84 25 16	299	b 230	5/H	-	-	-	-	-	-	-	-
	1359	H. B. Spooner, Jr.	30 47 30 84 33 20	299	322	2/C	-	-	-	-	-	-	-	-
	3359	A. Newton TW North	30 52 47 84 44 25	118	-	-	56	6/M	-	-	-	-	-	-
	3360	A. Newton TW South	30 52 35 84 44 16	119	-	-	50	6/M	-	-	-	-	-	-
	3434	Joe Hall TW 1	31 01 22 84 23 15	140	-	-	85	6/M	-	-	-	-	-	-
Effingham	211	City of Springfield #2	32 22 33 81 19 02	75	195	3/J	217	1/J	-	-	-	-	-	-
	457	Effingham Co. High School	32 21 10 81 20 30	102	277	1/J	-	-	-	-	-	-	-	-
	458	Effingham Co. Elem. & H.S.	32 22 15 81 19 50	70	250	1/J	-	-	-	-	-	-	-	-
	569	Savannah Founda- tion #1	32 10 25 81 20 30	48	319	1/J	-	-	-	-	-	-	-	-
	1035	City of Savannah	32 15 23 81 10 43	17	220	3/C	b 454	5/C	-	-	-	-	-	-

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Effingham	1527	Dawes Silica Co.	32 09 45 81 23 37	34	-	-	360	1/C	b 689	5/C	-	-	-	-
	1704	Dawes Silica Co.	32 09 17 81 23 24	34	-	-	330	1,3/C	-	-	-	-	-	-
	2179	Effingham #6	32 31 17 81 15 47	95	None	3/C	165	3/C	-	-	-	-	-	-
	3107	Effingham #9	32 33 55 81 22 02	120	-	-	180	1/C	-	-	-	-	-	-
	3108	Effingham #10	32 34 22 81 25 03	112	146	3/C	188	1/C	-	-	-	-	-	-
	3109	Effingham #11	32 33 07 81 22 34	113	167	3/C	b 188	5/C	-	-	-	-	-	-
	3110	Effingham #12	32 31 47 81 19 57	109	158	3/C	180	1/C	-	-	-	-	-	-
	3140	Effingham #13	32 15 08 81 12 51	57	281	3/C	b 315	5/C	-	-	-	-	-	-
	3155	Effingham #14	32 21 15 81 12 50	68	232	1,3/C	b 276	5/C	-	-	-	-	-	-
Evans	635	Miami Hotel Oscar Katsif	32 10 35 81 53 46	105	368	1,4/C	-	-	-	-	-	-	-	-
	773	City of Claxton	32 09 41 81 54 48	193	445	1/N	510	1/C	-	-	-	-	-	-
	1547	E. N. Morris	32 13 07 81 52 37	143	440	1/N	510	1/C	-	-	-	-	-	-
	3168	Evans Co. Oil Corp. Mangrum #1	31 12 48 81 50 01	118	-	-	-	-	810	3/N	-	-	-	-

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Grady	140	City of Cairo #1 North Well	30 53 40 84 13 05e	265e	439	3/F	-	-	-	-	-	-	-	-
	141	City of Cairo South Well	30 51 40 84 12 46	235	402	3/F	-	-	-	-	-	-	-	-
	196	Roddenberry Pickle Co.	30 52 33 84 12 08	209	365	3/B	-	-	b 1206	5/B	-	-	-	-
	205	City of Cairo #5	30 52 39 84 12 42	245	477	3/F	-	-	-	-	-	-	-	-
	493	Shiver School	31 00 14 84 12 20	308	320	1/C	-	-	-	-	-	-	-	-
	770	Alton Hall	30 52 56 84 09 09	255	370	1/N	-	-	-	-	-	-	-	-
	801	Robert C. Balfour	30 45 46 84 13 14	163	190	3/C,H	-	-	-	-	-	-	-	-
	883	Dr. Ferrance	30 53 10 84 19 10	238	460	3/H	-	-	-	-	-	-	-	-
	884	Pope Museum	30 58 58 84 09 30	239	472	3/H	-	-	-	-	-	-	-	-
	916	Ira Lee	30 43 44 84 12 20	233	70	1/H	-	-	-	-	-	-	-	-
	962	USGS Cairo Well	30 52 35 84 12 51	205	471	1/B	b 965	5/B	-	-	-	-	-	-
	1446	Mistletoe Plantation	30 41 08 84 15 22	242	310	3/C	-	-	-	-	-	-	-	-
Irwin	274	City of Ocilla #3	31 35 36 83 14 47	331	230	1/J	300	1/J	b 630	5/J	-	-	-	-

County	GGS #	Well Name	Latitude-Longitude	L.S. Alt. (ft)	OLIGOCENE Depth to Top (ft)	OLIGOCENE Criteria and Source	UPPER EOCENE Depth to Top (ft)	UPPER EOCENE Criteria and Source	MIDDLE EOCENE Depth to Top (ft)	MIDDLE EOCENE Criteria and Source	L. EOC./PALEOCENE Depth to Top (ft)	L. EOC./PALEOCENE Criteria and Source	CRETACEOUS Depth to Top (ft)	CRETACEOUS Criteria and Source
Irwin	1551	J. W. Paulk	31 32 57 83 04 52	292	570	4/E	b 620	5/E	-	-	-	-	-	-
	1552	Dr. R. E. Rutherford	31 30 05 83 16 30	315	320	1/E	-	-	-	-	-	-	-	
	1712	Dr. H. L. Dismuke	31 38 32 83 16 35	350	250	3/C	-	-	-	-	-	-	-	
	1713	John Parrish	31 39 35 83 21 25	378	250	1/C	b 300	5/C	-	-	-	-	-	
	1833	D. L. Gentry, Jr.	31 43 45 83 24 45	370	190	3/C	b 240	5/C	-	-	-	-	-	
	1845	Elton Veal	31 33 25 83 10 55	295	300	3/E	b 380	5/E	-	-	-	-	-	
	1847	Ernest Roberts	31 31 02 83 19 00	344	250	3/E	b 310	5/E	-	-	-	-	-	
	1865	Reggie Fletcher	31 38 45 83 27 15	340	154	3/E	b 256	5/E	-	-	-	-	-	
	1873	Dwight M. Handler	31 34 15 83 13 05e	330e	270	3/C	b 350	5/C	-	-	-	-	-	
	1961	C.P.A.	31 38 50 83 15 00	330	220	3/E	b 352	5/E	-	-	-	-	-	
	1979	S. B. Hester	31 34 48 83 27 42	328	180	3/E	300	1/E	-	-	-	-	-	
	2017	C. E. Davis	31 37 10 83 22 45	325	220	3/E	390	1/E	-	-	-	-	-	
	2114	Arlie Schultz	31 34 11 83 20 05	355	210	3/E	b 320	5/E	-	-	-	-	-	-

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Irwin	2134	Irwinville State Park	31 39 45 83 23 30	322	170	3/C	b 233	5/C	-	-	-	-	-	-
	2154	A. G. Shiver	31 34 55 83 12 30	317	255	1/C	b 365	5/C	-	-	-	-	-	-
	3103	City of Ocilla #4	31 36 28 83 14 56	353	260	1/E	311	1/E	b 696	5/E	-	-	-	-
Jeff Davis	157	City of Hazlehurst	31 52 07 82 35 23	250	557	1/J	b840	5/F	-	-	-	-	-	-
	1165	City of Hazlehurst #3	31 52 01 82 36 06	252	580	1/C	b 900	5/C	-	-	-	-	-	-
	1749	C. D. King	31 45 38 82 48 07	280	b 520	5/C	-	-	-	-	-	-	-	-
	1826	Jeff Davis Country Club	31 53 13 82 35 06	220	580	1/C	b 800	5/C	-	-	-	-	-	-
	3128	Chevron Oil Co. J. L. Sinclair #1	31 46 02 82 45 02	272	-	-	a 440	4/B	1190	3/B	1595	2,3/B	1850	1,2/B
	3384	Bobby Spell	31 45 08 82 32 57	202	425	1/E	a 560	4/E	-	-	-	-	-	-
	3457	Chevron U.S.A. A. P. Snipes #1	31 45 34 82 45 25	287	None	7/B	450	1,3/B	1220	3/B	1720	2,3/B	1880	1,2/B
Mitchell	89	J. H. Pullen	31 08 30 84 04 15	335	305	3,4/I	-	-	-	-	-	-	-	-
	100	City of Sale City	31 16 00 84 01 20	371	-	-	a 315	4/J	-	-	-	-	-	-
	109	Stanolind O & G J. H. Pullen #1	31 08 33 84 04 04	318	370	1/J	395	3/J	790	3/F	1380	1,2/F	1690	1,2/F

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Mitchell	218	City of Camilla #3	31 14 08 84 12 35	177	-	-	a 90	6/J	-	-	-	-	-	-
	400	Cotton Elementary School #1	31 10 19 84 02 44	318	b 316	5/J	-	-	-	-	-	-	-	-
	417	Oak Grove Elem. School #1	31 11 16 84 22 32	160	a 22	6/F	58	3/F	-	-	-	-	-	-
	564	City of Camilla #4	31 13 28 84 13 07e	164e	-	-	a 50	6/J	341	3/J	-	-	-	-
	620	Marquette Cement	31 21 00 84 04 20	265	a 0	6/J	125	3/J	-	-	-	-	-	-
	872	Jessie Poitevent	31 06 00 84 25 45	143	a 70	6/C	-	-	-	-	-	-	-	-
	1397	Thomson	31 06 30 84 03 10	272	a 395	6/C	b 648	5/C	-	-	-	-	-	-
	1459	L. A. Edwards	31 10 15 84 03 10	322	240	1/C	-	-	-	-	-	-	-	-
	1539	Malcom Howell	31 07 30 84 15 30	153	-	-	a 50	6/C	-	-	-	-	-	-
	3081	City of Pelham #4	31 07 08 84 08 41	340	234	1,3/E	a 422	4/E	622	2,3/E	b 822	5/E	-	-
Montgomery	128	Meadows Dev'l. Co. Ed Moses	32 02 01 82 30 58	180	-	-	-	-	a 1050	4/C	1310	2,3/C	1840	2/C
	190	J. E. Weatherford Co. Wilkes #1	32 13 00 82 28 32	260	370	1/C	a 700	4/C	-	-	1290	2,3/C	1785	2/C
	319	Hugh Peterson	32 04 40 82 34 45	133	220	3/J	-	-	-	-	-	-	-	-

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Montgomery	450	Mt. Vernon Elem. and High School	32 12 18 82 35 53	221	330	1/J	-	-	-	-	-	-	-	-
	514	Uvalda Elementary School	32 02 25 82 30 05	190	430	1,3/J	b 547	5/F	-	-	-	-	-	-
	515	Ailey Elementary and High School	32 11 58 82 34 54	170	315	1/J	400	3/J	-	-	-	-	-	-
	600	C. H. Goff #1	32 17 10 82 35 17	258	283	1,3/J	405	3/J	565	1/F	-	-	-	-
	1520	W. M. Guin	32 17 00 82 27 30	291	390	1/C	-	-	-	-	-	-	-	-
	3153	City of Uvalda #2	32 02 09 82 30 51	222	470	1/E	b 700	5/E	-	-	-	-	-	-
	-	Meadows Dev'l Co. Moses #1-25Q005	32 01 59 82 30 58	180	-	-	530	1/N	-	-	-	-	-	-
	-	City of Mount Vernon-25R002	32 10 47 82 35 37	239	b 400	5/N	-	-	-	-	-	-	-	-
Screven	295	City of Sylvania #3	32 45 04 81 38 43	212	134	1/J	220	3/J	258	3/J	-	-	-	-
	413	City of Sylvania	32 45 08 81 39 10	192	91	1/J	168	1,3/J	-	-	-	-	-	-
	462	Arnett Elementary School	32 29 23 81 42 02	220	220	1/J	b 300	5/J	-	-	-	-	-	-
	578	Oak Grove Church	32 36 57 81 44 58	165	177	1/J	b 207	5/J	-	-	-	-	-	-
	590	Wade Plantation	32 57 25 81 32 19	111	None	3/J	123	1/J	173	3/F	b 374	5/J	-	-

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Screven	855	Helen Pryor #1	32 35 16 81 25 54	128	-	-	-	-	a 600	4,6/B	925	3/B	1310	2/B
	979	J. P. King Mfg. Co. #1	32 36 12 81 44 23	160	186	1/B	295	1/B	515	3/B	1056	3/B	-	-
	1007	Screven #4	32 49 32 81 46 54	261	180	2/C	290	2/C	-	-	-	-	-	-
	1170	Screven #1	32 38 10 81 25 30	41	60	3/B	108	3/B	-	-	-	-	-	-
	1174	Screven #6	33 01 15 81 34 30	175	-	-	30	2/C	-	-	-	-	-	-
	1175	Screven #7	32 54 43 81 31 15	90	-	-	a 30	6/B	213	3/B	-	-	-	-
	3032	Screven #2	32 41 22 81 30 52	171	b 123	5/C	-	-	-	-	-	-	-	
	3198	Screven #8	32 41 25 81 30 29	205	193	3/C	b 212	5/C	-	-	-	-	-	-
	-	Georgia Power-B3	32 36 48 81 24 38	125	152	3/C	190	1/C	-	-	-	-	-	-
	-	Georgia Power-B21	32 37 13 81 25 00	130	155	3/C	181	1,3/C	-	-	-	-	-	-
	-	Georgia Power-B22	32 37 50 81 25 33	130	162	1,3/C	192	1,3/C	-	-	-	-	-	-
	-	Georgia Power-B31	32 48 46 81 28 50	71	-	-	a 30	6/B	227	3/B	-	-	-	-
	-	Georgia Power-B32	32 54 14 81 30 32	75	a 33	6/B	42	3/B	195	3/B	-	-	-	-

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Screven	-	Georgia Power-B33	32 57 31 81 32 29	105	-	-	a 106	6/B	176	3/B	-	-	-	-
	-	Georgia Power-B34	33 00 59 81 34 35	182	-	-	a 145	6/B	235	3/B	-	-	-	-
	-	Georgia Power-B36	32 41 31 81 26 30	49	a 37	6/B	46	3/B	-	-	-	-	-	-
	-	Georgia Power-B37	32 41 10 81 27 36	102	-	-	118	3/B	-	-	-	-	-	-
	-	Georgia Power-B38	32 38 32 81 27 30	145	150	3/C	b 212	5/C	-	-	-	-	-	-
	-	Cox Woodlands-33W26	32 51 50 81 35 24	92	-	-	-	-	280	2/C	-	-	-	-
	-	Briar Creek Park-34W4	32 48 40 81 29 02	58	-	-	50	2/C	260	2/C	-	-	-	-
Tattnall	180	Reidsville State Prison #2	32 00 21 82 09 35	182	480	1/J	540	1/C	b 820	5/J	-	-	-	-
	522	Reidsville State Prison	32 00 35 82 10 04	187	505	1,3/J	578	1/C	-	-	-	-	-	-
	572	Georgia Forestry Commission	31 58 38 82 09 35	172	510	1/C	565	1/C	b 950	5/C	-	-	-	-
	583	Troy Jarriell	32 14 55 82 06 44	250	634	1/J	b 675	5/J	-	-	-	-	-	-
	593	W. H. Anderson & I. Williams	32 15 42 82 10 34	190	412	4/C	b 472	5/C	-	-	-	-	-	-
	661	Wilford Lanier	32 13 35 82 09 45	228	b 470	5/C	-	-	-	-	-	-	-	-

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Tattnall	662	Will Brown	32 17 30 82 12 30	213	391	1/C	b 473	5/C	-	-	-	-	-	-
	1509	Charles Coleman	32 16 33 82 09 38	228	415	1/E	-	-	-	-	-	-	-	-
	1530	W. B. Sikes	32 17 08 82 10 37	210	380	1/E	b 480	5/C	-	-	-	-	-	-
	1531	Daniel Martin	32 16 52 82 10 58	165	350	3/C	-	-	-	-	-	-	-	-
	1545	Beatrice Durrance	31 55 00 82 06 35	97	590	1/N	b 710	5/C	-	-	-	-	-	-
	1731	Julian Dasher	31 54 10 81 55 48	153	500	1/E	-	-	-	-	-	-	-	-
	1741	Aubrey Sikes	31 54 57 81 55 08	130	460	1/C	550	1,3/C	-	-	-	-	-	-
	1742	Talmadge Lynn	32 09 10 82 09 30	205	490	1/C	-	-	-	-	-	-	-	-
	1743	Byron Jarriel	32 12 37 82 06 31	224	520	1/E	b 630	5/E	-	-	-	-	-	-
	1744	Malsby Coleman	32 16 27 82 06 08	217	600	1,3/C	b 700	5/C	-	-	-	-	-	-
	1745	Jack Anderson	32 12 20 82 04 57	212	500	1/C	b 600	5/C	-	-	-	-	-	-
	3026	City of Manassas	32 09 37 82 01 18	210	460	1/E	560	3/E	-	-	-	-	-	-
	-	City of Cobbtown-28S002	32 16 39 82 08 19	242	-	-	672	2/C	-	-	-	-	-	-

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Telfair	375	Parsons & Hoke, Spurlin #1	32 01 13 82 49 06	249	225	1/J	360	1/F	1040	2/C	1460	2/C	1830	2/C
	507	City of McRae #2	32 04 10 82 53 45	250	170	1/J	260	1/J	-	-	-	-	-	-
	1053	City of McRae #3	32 04 03 82 54 37	263	208	2,3/N	-	-	-	-	-	-	-	-
Thomas	19	Thomasville Army Air Base	30 53 48 83 52 54	235	155	1/J	290	1/A	-	-	-	-	-	-
	56	City of Thomasville #4	30 49 59 83 58 56	262	175	3/A	-	-	-	-	-	-	-	-
	59	City of Meigs #3	31 04 18 84 05 28	345	484	1/A	770	1,3/D	-	-	-	-	-	-
	132	City of Thomasville #5	30 50 01 83 58 57	258	170	1/J	435	3/F	1025	3/J	b 1635	5/F	-	-
	401	City of Thomasville #6	30 50 10 83 58 30	285	180	1/J	-	-	-	-	-	-	-	-
	495	Waverly Mineral Products Co.	31 02 17 84 04 16	305	516	3/J	-	-	-	-	-	-	-	-
	603	W. R. Daniels #1	30 56 03 83 59 35	201	b 240	5/I	-	-	-	-	-	-	-	-
	747	Daniel Shaker Co.	30 51 22 83 59 48	200	165	1,3/H	-	-	-	-	-	-	-	-
	748	W. C. Thigpen	30 50 40 83 52 55	189	58	3/H	-	-	-	-	-	-	-	-
	757	Wade Chastain	30 53 00 84 01 20	229	b 235	5/H	-	-	-	-	-	-	-	-

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Thomas	768	Don Vanier	30 55 30 83 46 55	230	130	3/H	-	—	-	-	-	-	-	-
	771	J. M. Duran	30 52 50 83 55 30	272	185	3,4/H	-	-	-	-	-	-	-	-
	778	Leon Hancock	30 55 10 83 57 10	255	190	1,3/H	-	-	-	-	-	-	-	-
	779	Clifford Long	30 51 20 83 47 40	245	125	3/H	-	-	-	-	-	-	-	-
	784	H. D. Burton	30 49 25 83 54 17	170	85	3/H	-	-	-	-	-	-	-	-
	787	David Mimms	30 50 02 83 48 19	230	125	3/H	-	-	-	-	-	-	-	-
	807	W. D. Cox	30 46 50 83 55 15	178	95	3/H	-	-	-	-	-	-	-	-
	808	C. F. Gunther	30 55 00 83 47 00	225	115	3/H	-	-	-	-	-	-	-	-
	810	R. R. Smith	30 57 00 83 49 45	265	170	3/H	-	-	-	-	-	-	-	-
	811	Cecil Bozeman	30 57 45 83 48 35	268	205	1,3/H	-	-	-	-	-	-	-	-
	814	Stevenson #1	30 54 25 83 47 18	229	a 140	1,3/E	-	-	-	-	-	-	-	-
	817	H. B. Burton	30 49 12 83 54 45	195	45	3/H	-	-	-	-	-	-	-	-
	826	W. E. Redding	30 57 10 83 47 13	261	195	1/H	-	-	-	-	-	-	-	-

County	GGS #	Well Name	Latitude-Longitude	L.S. Alt. (ft)	OLIGOCENE		UPPER EOCENE		MIDDLE EOCENE		L. EOC./PALEOCENE		CRETACEOUS	
					Depth to Top (ft)	Criteria and Source	Depth to Top (ft)	Criteria and Source	Depth to Top (ft)	Criteria and Source	Depth to Top (ft)	Criteria and Source	Depth to Top (ft)	Criteria and Source
Thomas	830	Cleo Suber	31 00 15 83 55 30	210	330	1/H	-	-	-	-	-	-	-	-
	854	Harell Clark	30 54 35 83 49 25	232	165	3/H	-	-	-	-	-	-	-	-
	866	T. N. Dugger	30 49 38 83 46 27	180	105	1,3/H	-	-	-	-	-	-	-	-
	886	James Groover	30 58 00 84 02 35	262	395	1/H	-	-	-	-	-	-	-	-
	914	Earl Sanders	30 47 50 84 01 25	285	195	3/H	-	-	-	-	-	-	-	-
	915	C. W. Beckwith	30 59 52 84 07 08	275	b 395	5/H	-	-	-	-	-	-	-	-
	924	H. H. Pilcher	31 01 29 84 03 48	305	500	3/N	-	-	-	-	-	-	-	-
	925	City of Coolidge	31 00 41 83 52 07	248	322	3,4/H	-	-	-	-	-	-	-	-
	934	W. L. Walkins	30 46 48 83 44 35	198	130	3/H	-	-	-	-	-	-	-	-
	995	Bill Ponder	30 54 20 83 55 15	255	140	3/H	-	-	-	-	-	-	-	-
	996	G. C. Hutchison	31 00 15 83 48 00	260	160	3,4/H	-	-	-	-	-	-	-	-
	1022	McIntyre & Edwards	30 49 10 83 52 50	191	90	3,4/H	-	-	-	-	-	-	-	-
	1378	Hosea Vann	31 00 01 83 58 01	250	b 380	5/N	-	-	-	-	-	-	-	-

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Thomas	3114	Durham Co. & Texaco, Inc., Sedgewick #1	30 47 11 83 57 44	267	b 120	3/C	-	-	-	-	1650	2/C	2400	2/C
	3121	Federal Regional Center	30 48 20 83 59 15	269	190	1/C	-	-	-	-	-	-	-	-
	3186	City of Meigs	31 03 53 84 05 12	327	470	3/N	780	1/N	-	-	-	-	-	-
	3188	Thomas #4 (U.S. Gypsum 76-1)	30 48 39 83 45 23	200	85	3/B	310	1/B	791	3/B	-	-	-	-
	3207	Thomas #5 (U.S. Gypsum 76-9)	30 59 21 83 48 32	238	130	3/B	336	1/B	790	3/B	b 1206	5/B	-	-
	3215	Thomas #6 (U.S. Gypsum 76-11)	31 00 07 83 49 38	248	157	3/B	346	1/B	785	3/B	-	-	-	-
	3534	City of Meigs TW 1	31 04 15 84 05 42	330	444	1/B	795	1/B	1036	1/B	b 1439	5/B	-	-
Tift	82	Armour & Co.	31 27 05 83 29 40	328	256	1/J	375	1,4/F	-	-	-	-	-	-
	292	City of Tifton #3	31 27 27 83 30 50	355	270	1/J	390	1/F	b 585	5/J	-	-	-	-
	397	Garrett Jones #1	31 30 55 83 31 45	360	b 242	5/K	-	-	-	-	-	-	-	-
	419	Lawhorn Farm	31 26 40 83 35 35	338	170	3/K	-	-	-	-	-	-	-	-
	1465	Humble Oil Co. #1	31 32 57 83 32 05	370	200	1,3/E	-	-	-	-	-	-	-	-
	1480	Tift Experiment Station	31 25 55 83 35 10	345	-	-	310	1/C	-	-	-	-	-	-

County	GGS #	Well Name	Latitude-Longitude	L.S. Alt. (ft)	OLIGOCENE Depth to Top (ft)	OLIGOCENE Criteria and Source	UPPER EOCENE Depth to Top (ft)	UPPER EOCENE Criteria and Source	MIDDLE EOCENE Depth to Top (ft)	MIDDLE EOCENE Criteria and Source	L. EOC./PALEOCENE Depth to Top (ft)	L. EOC./PALEOCENE Criteria and Source	CRETACEOUS Depth to Top (ft)	CRETACEOUS Criteria and Source
Tift	1632	Sarah Noland	31 22 52 83 28 52	325	b 540	5/C	-	-	-	-	-	-	-	-
	1687	Coy Stone	31 22 10 83 27 09	321	b 700	5/C	-	-	-	-	-	-	-	-
	1692	H. C. Medford	31 20 59 83 27 09	329	870	1/C	-	-	-	-	-	-	-	-
	1782	Cities of Brookfield/Vanceville	31 26 07 83 26 48	335	390	2/E	b 580	5/E	-	-	-	-	-	-
	1903	L. W. Varnadore	31 20 55 83 32 15	250	580	1,3/E	b 670	5/E	-	-	-	-	-	-
	1912	C. A. Barry	31 23 55 83 32 10	269	365	2/C	-	-	-	-	-	-	-	-
	1914	Edwin Revels	31 24 10 83 31 30	295	400	1,3/C	-	-	-	-	-	-	-	-
	1930	Eddie Green	31 23 00 83 37 45	295	308	3/E	-	-	-	-	-	-	-	-
	1977	A. B. Ethridge	31 33 45 83 36 35	311	a 95	4,6/E	210	1/E	-	-	-	-	-	-
	1989	Waterman	31 21 15 83 35 00	324	470	1/E	-	-	-	-	-	-	-	-
	1993	Abraham Baldwin Ag. College	31 29 02 83 31 45	392	254	1,2/E	-	-	-	-	-	-	-	-
	2027	Harold Tawzer	31 23 40 83 27 50	330	575	1/C	-	-	-	-	-	-	-	-
	2034	W. A. Dorminy	31 22 50 83 30 30	300	470	1,3/C	-	-	-	-	-	-	-	-

County	GGS #	Well Name	Latitude-Longitude	L.S. Alt. (ft)	OLIGOCENE Depth to Top (ft)	OLIGOCENE Criteria and Source	UPPER EOCENE Depth to Top (ft)	UPPER EOCENE Criteria and Source	MIDDLE EOCENE Depth to Top (ft)	MIDDLE EOCENE Criteria and Source	L. EOC./PALEOCENE Depth to Top (ft)	L. EOC./PALEOCENE Criteria and Source	CRETACEOUS Depth to Top (ft)	CRETACEOUS Criteria and Source
Tift	2067	Harding Church	31 31 36 83 25 28	300	195	3/E	-	-	-	-	-	-	-	-
	2088	M. Gibbons	31 34 15 83 33 50	390	185	3/E	b 245	5/E	-	-	-	-	-	-
	2095	Herbert Sanders	31 30 15 83 33 15	395	200	3/C	-	-	-	-	-	-	-	-
	-	Southern Turf-16J5	31 21 30 83 38 54	295	865	2/C	1152	2/C	1450	2/C	b 1500	2,5/C	-	-
	-	Southern Turf-16J30	31 20 03 83 38 24	280	860	2/C	-	-	-	-	-	-	-	-
	-	Tifton City Shops-18K49	31 27 11 83 29 35	332	275	2/C	-	-	-	-	-	-	-	-
Toombs	95	Tropic Oil Co. Gibson #1	32 08 42 82 22 03	200	448	1/J	740	1/J	990	3/F	1310	3/J	1700	3/J
	146	B. M. Brown #1	32 06 52 82 19 26	205	645	1/B	785	1/B	1020	3/B	1400	1,3/B	1875	3/B
	640	Dowdy Farm	32 07 16 82 24 48	217	460	1/E	b 560	1/E	-	-	-	-	-	-
	650	City of Vidalia #3	32 13 07 82 24 31	290	420	1/K	660	1/K	750	3/K	-	-	-	-
	652	Herbert Jones #1	32 01 20 82 24 28	231	b 715	5/K	-	-	-	-	-	-	-	-
	667	Toombs Co. Central School	32 02 58 82 20 46	194	600	1/B	770	1,3/B	b 885	5/B	-	-	-	-
	1090	City of Vidalia	32 12 51 82 23 43	292	460	1/C	-	-	-	-	-	-	-	-

County	GGS #	Well Name	Latitude-Longitude	L.S. Alt. (ft)	OLIGOCENE Depth to Top (ft)	OLIGOCENE Criteria and Source	UPPER EOCENE Depth to Top (ft)	UPPER EOCENE Criteria and Source	MIDDLE EOCENE Depth to Top (ft)	MIDDLE EOCENE Criteria and Source	L. EOC./PALEOCENE Depth to Top (ft)	L. EOC./PALEOCENE Criteria and Source	CRETACEOUS Depth to Top (ft)	CRETACEOUS Criteria and Source
Toombs	1521	Durwood Mosley	32 17 55 82 14 30	176	370	1/C	-	-	-	-	-	-	-	-
	1540	Billy Lilliott	32 00 15 82 18 08	212	510	1/E	-	-	-	-	-	-	-	-
	1542	A. B. Cox	32 03 33 82 21 22	230	640	1/E	b 820	5/E	-	-	-	-	-	-
	1546	Kenneth Mosley	32 15 00 82 19 17	220	370	1,3/C	b 470	5/C	-	-	-	-	-	-
	1700	H. D. Findley	32 14 23 82 14 45	252	390	1/N	-	-	-	-	-	-	-	-
	1732	E. O'Neal	32 08 27 82 18 10	247	640	1/C	b 690	5/C	-	-	-	-	-	-
	1740	J. W. Beasley	32 00 50 82 24 11	208	680	1/E	b 740	5/E	-	-	-	-	-	-
	1753	M. C. Dickerson	32 08 46 82 20 17	236	480	3/C	b 600	5/C	-	-	-	-	-	-
	1754	H. B. Avant	32 03 17 82 25 31	255	b 600	5/E		-	-	-	-	-	-	-
	1800	Ben Currie	31 59 56 82 26 35	155	b 600	5/C	-	-	-	-	-	-	-	-
	1801	Edgar Galbreath	32 06 27 82 27 22	240	500	1/E	b 609	5/E	-	-	-	-	-	-
	1802	C. J. Spell	32 04 21 82 21 21	188	630	1/E	b 750	5/E	-	-	-	-	-	-
	1803	James Johnson	32 06 35 82 18 46	169	b 575	5/C	-	-	-	-	-	-	-	-

County	GGS #	Well Name	Latitude-Longitude	L.S. Alt. (ft)	OLIGOCENE Depth to Top (ft)	OLIGOCENE Criteria and Source	UPPER EOCENE Depth to Top (ft)	UPPER EOCENE Criteria and Source	MIDDLE EOCENE Depth to Top (ft)	MIDDLE EOCENE Criteria and Source	L. EOC./PALEOCENE Depth to Top (ft)	L. EOC./PALEOCENE Criteria and Source	CRETACEOUS Depth to Top (ft)	CRETACEOUS Criteria and Source
Wheeler	92	H. G. Samples	32 04 35 82 50 35	225	254	1/J	b 288	5/J	-	-	-	-	-	-
	221	Dixie Oil Co. Wilcox #1	32 04 45 82 52 45	160	-	-	-	-	-	-	-	-	a 1344	1,3/N
	336	Jordan Heirs #1	31 58 50 82 38 45	180	360	1/B	480	1,3/B	860	3/B	1320	1,3/B	1780	1,3/B
	337	Emmett Joyce	31 58 58 82 35 37	141	345	1/J	550	3/F	-	-	-	-	-	-
	340	Stewart #1	32 02 05 82 40 07	235	295	1/K	-	-	-	-	-	-	-	-
	1045	Little Ocmulgee State Park	32 05 22 82 53 25	195	170	1/C	-	-	-	-	-	-	-	-
	3080	Southern Natural Gas Co. Towns #1	32 02 43 82 38 18	172	260	2/B	410	1,2/B	730	2,3/B	1270	1,3/B	1865	2,3/B
	3084	Southern Natural Gas Co. McRae #1	32 02 53 82 38 42	161	250	1/B	-	-	700	3/B	1240	3/B	1855	2/B
	-	City of Alamo-23R001	32 08 57 82 46 43	230	-	-	420	1/N	-	-	-	-	-	-
	-	Parsons, Hoke & Hinson #1-23Q002	32 05 40 82 48 40	205	240	2/C	435	2/C	675	2/C	1088	2/C	1720	2/C
Worth	232	Will Altman	31 45 35 83 55 10	260	-	-	40	3/F	-	-	-	-	-	-
	420	C. E. Buck Farm #1	31 33 05 83 55 00	355	65	1,3/K	b 180	5/K	-	-	-	-	-	-
	456	Minton Elementary School	31 22 22 83 51 18	410	280	1/J	-	-	-	-	-	-	-	-

County	GGS #	Well Name	Latitude-Longitude	L.S. Alt. (ft)	OLIGOCENE		UPPER EOCENE		MIDDLE EOCENE		L. EOC./PALEOCENE		CRETACEOUS	
					Depth to Top (ft)	Criteria and Source	Depth to Top (ft)	Criteria and Source	Depth to Top (ft)	Criteria and Source	Depth to Top (ft)	Criteria and Source	Depth to Top (ft)	Criteria and Source
Worth	471	Red Rock School	31 35 00 83 56 27	335	-	-	a 60	1,3/N	300	3/F	-	-	-	-
	1231	W. J. Pate	31 32 59 83 52 40	425	190	1,3/E	b 460	5/E	-	-	-	-	-	-
	1235	Houste	31 30 40 83 46 45	350	225	3/E	-	-	-	-	-	-	-	-
	1238	Irvin Lawhorne	31 30 40 83 46 10	372	b 220	3/E	-	-	-	-	-	-	-	-
	1265	Fred Brown	31 24 27 83 57 59	407	235	1/E	-	-	-	-	-	-	-	-
	1405	City of Sumner	31 30 45 83 44 15	372	240	1/E	b 405	5/E	-	-	-	-	-	-
	1644	J. L. Carlton	31 22 10 83 56 15	412	210	2,3/C	-	-	-	-	-	-	-	-
	1762	Grady Tompkins	31 21 17 83 41 50	340	410	1/E	-	-	-	-	-	-	-	-
	1939	C. A. Tompkins	31 24 05 83 42 15	360	360	1/E	b 620	5/E	-	-	-	-	-	-
	1999	R. R. Pope	31 25 30 83 42 40	370	374	1/E	570	3/E	-	-	-	-	-	-
	2023	H. A. Blackstock	31 20 25 83 54 55	389	240	1,3/C	-	-	-	-	-	-	-	-
	2024	G. D. Green	31 32 50 83 44 00	378	180	1,3/C	-	-	-	-	-	-	-	-
	2045	W. F. Benson	31 31 35 83 39 14	340	90	1/E	190	1,3/E	-	-	-	-	-	-

County	GGS #	Well Name	Latitude-Longitude	L.S. Alt. (ft)	OLIGOCENE Depth to Top (ft)	OLIGOCENE Criteria and Source	UPPER EOCENE Depth to Top (ft)	UPPER EOCENE Criteria and Source	MIDDLE EOCENE Depth to Top (ft)	MIDDLE EOCENE Criteria and Source	L. EOC./PALEOCENE Depth to Top (ft)	L. EOC./PALEOCENE Criteria and Source	CRETACEOUS Depth to Top (ft)	CRETACEOUS Criteria and Source
Worth	2066	Ernie Wimberly	31 21 55 83 51 20	395	300	3/E	-	-	-	-	-	-	-	-
	2080	Rex Evans	31 22 34 83 49 23	338	275	1,3/C	-	-	-	-	-	-	-	-
	2093	Danny Gay	31 38 55 83 51 55	296	110	3/N	-	-	-	-	-	-	-	-
	3154	Southern Investors Cecil Key #1	31 19 04 83 44 13	322	420	1,3/B	925	1/B	1040	3/B	1370	2/B	1670	1,2/B

LITHOLOGIC LOGS

LITHOLOGIC LOGS

GENERAL

The following section is a collection of well logs of the study area obtained from several sources. Most commonly, these logs are from previously unpublished records of the Georgia Geologic Survey and U. S. Geological Survey. Many of the logs are descriptions by the authors of wells which have not been described previously. These are either new samples collected for this study, recent petroleum exploration wells, or water supply wells. A small number of logs are redescriptions by the authors of well logs available in published reports.

Well logs written by people other than the authors of this report have been, in many cases, extensively edited. The goal of this editing has been to produce well logs that are in a consistent format, with similar style and content. In some cases, the authors reexamined critical intervals of well samples to supply additional information.

The well logs are arranged alphabetically by county and numerically by GGS number within each county. Non-GGS wells (wells for which the Georgia Geologic Survey does not have samples) are arranged following the GGS wells in each county.

FORMAT DESCRIPTION

The heading for each log contains the following information:

1) GGS number

2) Well name - this is the name of the most recent owner according to records at the GGS and U. S. Geological Survey.

3) County

4) Altitude - indicates the land surface elevation in feet at the well site, as determined by plotting well locations on U. S. Geological Survey 7.5-minute topographic quadrangle maps. Locations are from GGS and U. S. Geological Survey files, including many that have been verified by GGS or U. S. Geological Survey personnel.

5) Total depth (in feet) below land surface

6) Described by - indicates the source of the well log as follows:

   a) GGS - indicates sample description by one or more of the authors of this report

   b) GGS, previous investigator - indicates sample description by Georgia Geologic Survey personnel contributing well logs to a general data base, or to the files of a previous project (C. S. Gelbaum, J. E. Howell, J. A. Kellam, T. W. Watson)

   c) S. M. Herrick, C. W. Sever, or Vaux Owen - indicates sample description by these individuals either on contract with the GGS or on cooperative projects between the GGS and U. S. Geological Survey.

The body of the log is divided into five columns. The two left-hand columns, bearing the heading "Summary", are reserved for formational contacts and time-stratigraphic information. The Summary column is divided into two parts. The left column, headed "This Report", contains the authors' stratigraphic interpretation. It includes the geologic epoch (or period in the case of Cretaceous and older units) to which the unit has been assigned, the group and formation names, where these have been differentiated, and the depth, in feet below land surface, to the top of the unit. Due to space limitations, the designations "group" and "formation" have been dropped. The reader is referred to Huddlestun (1981) for a stratigraphic correlation chart of these units.

The right Summary column is reserved for stratigraphic interpretations of non-GGS workers (Herrick, Sever and Owen). In this case, the authors of this report have studied the original descriptions and made new interpretations. These interpretations, which may or may not coincide with those of the original workers, are presented in the column headed "This Report". In logs attributed to the GGS, the right Summary column remains blank.

In cases where the top of the geologic units could not be determined, the word "In" is used preceeding the geologic epoch, for example "In Miocene". This situation occurs where the top of the unit has been removed by erosion, so that the first recovered samples start in a particular unit. This is also used where large gaps in the recovered samples prohibit the determination of a contact. In this case, the next deeper recovered sample may be in a lower unit. Small sample gaps (approximately 20 ft or less) which occurred at geologic contacts were usually assigned to the next lower unit on the theory that loss of drilling circulation (and therefore samples) commonly occurs at the top of formational contacts. It was sometimes possible to determine the location of contacts using geophysical logs where samples were missing or where age and formation could not be determined from the samples alone. An asterisk (*) is used in the Summary column where geophysical logs were used to determine the contact.

The center column of each log is reserved for the sample description. In the descriptions of cuttings or core, the dominant lithologies are capitalized and listed in order of decreasing abundance in the sample. In cases where short intervals within a bed or unit differ lithologically from the rest of the unit, they are described and

listed, with appropriate depths indicated, below the main body of the description for each bed.

The fauna found within each sample interval are described in a general way in the main body of the lithologic description. For example, an interval might be described as "Limestone: fossiliferous, with fragments of echinoids, bryozoans, and foraminifers". Where microfossils, chiefly foraminifers, were used for stratigraphic interpretation and control, they are identified by genus and (where necessary) by species name. They are listed, along with the depth found, following the description of each bed. No attempt was made to produce an exhaustive catalogue of all species present in the samples. The fossils identified are those which are diagnostic or representative of a range of geologic time or an environment of deposition.

For several of the cores collected for this study, samples were sent to L. E. Edwards, U. S. Geological Survey, for age determination based on examination of dinoflagellates. These are noted at the appropriate location on each log. However, the actual lists of fossils identified by L. E. Edwards are not presented here because of their length. The lists are on file with the Georgia Geologic Survey and with the U. S. Geological Survey, Reston office.

The two right-hand columns of the well logs supply information on the thickness of individual beds within each well and the depth to the bottom of the interval described using land surface as the datum. Both thickness and depth measurements are given in feet.

WELL NO: GGS 410 ALTITUDE: 295 ft.
WELL NAME: J. W. Gaskins TOTAL DEPTH: 425 ft.
COUNTY: Atkinson DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	In Miocene Undif. 0	Clay: mostly tan but with some red and gray (mottled), very sandy, limonitic	5	5
In Miocene Altamaha 5		Clay: light gray with streaks of pink, sandy, sparsely phosphatic	10	15
		Clay: light gray with streaks of pink, sandy, sparsely phosphatic but sandier than above sample	15	30
		Clay: mostly pale green, with some deep red, sandy, phosphatic, becoming sandier, arkosic, cherty, and indurated with depth, and inclusions of white clay (kaolin)	80	110
Miocene Hawthorne Undif. 110		Clay: pale green, sandy, becoming abundantly phosphatic with increased depth, and scattered fragments of Limestone; dense, sandy, somewhat dolomitic	40	150
		Clay: pale green, sandy, phosphatic	25	175
		Clay: pale green, sandy, phosphatic, but sandier than above sample	10	185
		Limestone: brown, sandy, dolomitic	15	200
		Clay: pale green, sandy, phosphatic, and some Limestone; brown, dolomitic	15	215
		Limestone: brown, sandy, dolomitic	15	230
		Clay: pale green, sandy, with some Limestone; dense, white, sandy,	5	235
		Limestone: mostly dense, brown, dolomitic, some is white, sandy	10	245
		Chert: light gray, dense	3	248
		No samples	7	255
		Limestone: dense, light brown, very sandy, dolomitic	9	264
		Limestone: dense, light brown, very sandy, dolomitic, plus scattered fragments of white, sandy limestone containing black, phosphatic pebbles	10	274
Oligocene Suwannee 274	Oligocene Suwannee(?) 274	Limestone: crystalline, recrystallized, fossiliferous, and brown, dolomitic limestone at 355 - 356' becoming massive, denser, and more recrystallized (altered) at depth	151	425
T.D. 425	T.D. 425			

WELL NO: GGS 918 ALTITUDE: 243 ft.
WELL NAME: City of Willacoochee TOTAL DEPTH: 445 ft.
COUNTY: Atkinson DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Pleistocene to Recent Undif.	Sand: fine- to coarse-grained, becoming coarser-grained at depth, subangular to subrounded grains, arkosic ---	80	80
Miocene Hawthorne Undif. 80	Miocene Undif. 80	Clay: dark brownish-green, blocky, sandy, phosphatic at depth, with some interbedded Sand; fine-grained, subangular to subrounded grains, sparsely phosphatic ----------	140	220
		Lithology as above: interbedded at depth with Limestone; white, saccharoidal, sandy, cherty, sparsely fossiliferous at depth, with occasional foraminifers Brown chert abundant at 250 - 260' Elphidium chipolensis at 260 - 270' ----------	40	260
		Dolomitic Rock: brown, saccharoidal, sandy, phosphatic ----------	10	270
Oligocene Suwannee 270	Oligocene Suwannee 270	Limestone: cream to light brown, saccharoidal, fossiliferous, with some bryozoan remains and foraminifers Quinqueloculina sp., Pararotalia mexicana var. at 270 - 280' Dictyoconus sp. at 320 - 330' ----------	145	415
U. Eocene Ocala 415	U. Eocene Ocala 415	Limestone: cream, saccharoidal, somewhat chalky, fossiliferous, with sparse "larger" foraminifers Nummulites floridensis, Asterocyclina sp. at 415 - 420' ----------	30	445
T.D. 445	T.D. 445			

WELL NO: GGS 1548 ALTITUDE: 171 ft.
WELL NAME: Henry Crosby #1 TOTAL DEPTH: 380 ft.
COUNTY: Atkinson DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	300	300
In Miocene Hawthorne Undif. 300	In Miocene Undif. 300	Limestone: light brown, sandy, phosphatic, fossiliferous, with fragments of casts and molds of molluscan shells		
		Abundant shell fragments (coquina) at 310-340'	40	340
Oligocene Suwannee 340		No samples	10	350
	In Oligocene Suwannee 350	Limestone: brownish-gray, nodular, fossiliferous, with foraminifers		
		Dictyoconus sp., Quinqueloculina sp., at 350 - 360'	20	370
		Limestone: cream, nodular, fossiliferous	10	380
T.D. 380	T.D. 380			

WELL NO: GGS 1549 ALTITUDE: 189 ft.
WELL NAME: Henry Cook #1 TOTAL DEPTH: 300 ft.
COUNTY: Atkinson DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	230	230
In Miocene Hawthorne Undif. 230	In Miocene Undif. 230	Dolomitic Rock: brown, saccharoidal, sandy, phosphatic	20	250
		Indurated Sand: fine-grained, phosphatic, fossiliferous, with casts and molds of molluscan shells	20	270
Oligocene Suwannee 270	Oligocene Suwannee 270	Lithology as above: but with increase in Limestone; gray, nodular, rather porous, fossiliferous, with foraminifers		
		Pararotalia mexicana var. at 270 - 280'	10	280
		Limestone: gray to cream, nodular, fossiliferous, with foraminifers		
		Dictyoconus sp. at 280 - 290'	20	300
T.D. 300	T.D. 300			

WELL NO: GGS 1557 ALTITUDE: 206 ft.
WELL NAME: Edwin Davis #1 TOTAL DEPTH: 360 ft.
COUNTY: Atkinson DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	240	240
In Miocene Hawthorne Undif. 240	In Miocene Undif. 240	Limestone: cream to light brown, saccharoidal, sandy, phosphatic	30	270
		Limestone: as above, but fossiliferous, with molluscan shells	10	280
		Indurated Sand: fine-grained, phosphatic, fossiliferous, with molluscan shells	10	290
Oligocene Suwannee 290	Oligocene Suwannee 290	Limestone: gray to light brown, becoming cream and fossiliferous at depth, with foraminifers Dictyoconus sp. at 300 - 310'	70	360
T.D. 360	T.D. 360			

WELL NO: GGS 1714 ALTITUDE: 193 ft.
WELL NAME: Felton Morris #1 TOTAL DEPTH: 360 ft.
COUNTY: Atkinson DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	250	250
In Miocene Hawthorne 310 Undif.	In Miocene Undif. 310	Limestone: cream, saccharoidal, sandy, phosphatic	30	280
		Limestone: cream to light brown, saccharoidal, sandy, phosphatic, fossiliferous, with molluscan shells	20	300
Oligocene Suwannee 300	Oligocene Suwannee 300	Limestone: gray, dense, rather porous, nodular, fossiliferous at depth, with foraminifers Pararotalia mexicana var. at 300 - 310'	10	310
		No samples	10	320
		Limestone: as above, Dictyoconus sp. at 320 - 330'	10	330
		Not examined	30	360
T.D. 360	T.D. 360			

WELL NO: GGS 1715 ALTITUDE: 195 ft.
WELL NAME: Julian Haskins #1 TOTAL DEPTH: 335 ft.
COUNTY: Atkinson DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	240	240
In Miocene Hawthorne Undif. 240	In Miocene Undif. 240	Dolomitic Rock: brown, saccharoidal, sandy, phosphatic	10	250
		Indurated Sand: fine-grained, phosphatic, fossiliferous, with fragments of molds and impressions of molluscan shells	10	260
		Limestone: cream to light brown to brownish-green, rather dense, cherty, phosphatic	10	270
Oligocene Suwannee 270	Oligocene Suwannee 270	Limestone: cream to light brown, somewhat nodular, saccharoidal, fossiliferous, with foraminifers Dictyoconus sp., Pararotalia mexicana at 270 - 280'	65	335
T.D. 335	T.D. 335			

WELL NO: GGS 1716 ALTITUDE: 212 ft.
WELL NAME: Clarence Royal #1 TOTAL DEPTH: 350 ft.
COUNTY: Atkinson DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	260	260
In Miocene Hawthorne Undif. 260	In Miocene Undif. 260	Limestone: light brown, saccharoidal, sandy, phosphatic	40	300
		Chert: bluish-gray, dense, with some Limestone; cream, saccharoidal, sandy	10	310
Oligocene Suwannee 310	Oligocene Suwannee 310	Limestone: cream to light brown, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var. at 320 - 330' Dictyoconus sp. at 340 - 350'	40	350
T.D. 350	T.D. 350			

WELL NO: GGS 1717 ALTITUDE: 150 ft.
WELL NAME: Nettie White #1 TOTAL DEPTH: 390 ft.
COUNTY: Atkinson DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	230	230
In Miocene Hawthorne Undif. 230	In Miocene Undif. 230	Limestone: cream, sandy, cherty	60	290
		Limestone: cream to brownish-green, rather massive, saccharoidal, dense, sandy, phosphatic, fossiliferous, with fragments of molds and impressions of molluscan shells, and occasional fish teeth	60	350
Oligocene Suwannee 350	Oligocene Suwannee 350	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Miliolids observed at 350 - 360'	10	360
		No samples	10	370
		Limestone: as above	20	390
T.D. 390	T.D. 390			

WELL NO: GGS 1848 ALTITUDE: 164 ft.
WELL NAME: Ed J. Gaskin TOTAL DEPTH: 420 ft.
COUNTY: Atkinson DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	200	200
In Miocene Hawthorne Undif. 200	In Miocene Undif. 200	Interbedded Clay: pale to dark brownish-green, blocky, sandy, and Limestone; cream, saccharoidal, sandy, cherty, fossiliferous at depth, with fragments of molluscan shells	60	260
		Limestone: cream to light brown, saccharoidal, sandy	30	290
		Limestone: gray to light brown, saccharoidal, dense, sandy, phosphatic, fossiliferous, with molds and impressions of molluscan shells	50	340

Oligocene Suwannee 340	Oligocene Suwannee 340	Limestone: light brown, becoming cream at depth, fossiliferous, with foraminifers Quinqueloculina sp., Pararotalia mexicana var. at 340 - 350' Dictyoconus sp. at 380 - 390'	50	390
		Limestone: cream, nodular, fossiliferous, with foraminifers	30	420
T.D. 420	T.D. 420			

WELL NO: GGS 1855 ALTITUDE: 154 ft.
WELL NAME: Elijah Vickers TOTAL DEPTH: 370 ft.
COUNTY: Atkinson DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	190	190
In Miocene Hawthorne Undif. 190	In Miocene Undif. 190	Interbedded Clay: pale to dark brownish-green, blocky, sandy, and Limestone; cream to light brown	110	300
		Limestone: cream, saccharoidal, sandy, sparsely phosphatic	30	330
		Limestone: light brown, saccharoidal, very sandy, sparsely phosphatic	30	360
Oligocene Suwannee 360	Oligocene Suwannee 360	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Quinqueloculina sp. at 360 - 370'	10	370
T.D. 370	T.D. 370			

WELL NO: GGS 1877 ALTITUDE: 166 ft.
WELL NAME: B. J. Sutton #1 TOTAL DEPTH: 400 ft.
COUNTY: Atkinson DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	190	190
In Miocene Hawthorne Undif. 190	In Miocene Undif. 190	Interbedded Clay and Limestone	80	270
		Limestone: cream, saccharoidal, sandy	40	310
		Limestone: gray, dense, saccharoidal, sandy, sparsely phosphatic, fossiliferous, with some bryozoan remains, and fragments and molds of molluscan shells	20	330
		Limestone: cream to light brown, saccharoidal, sandy,	10	340
		Sand: fine-grained, somewhat indurated, phosphatic, with macroshells (coquina)	20	360
Oligocene Suwannee 360	Oligocene Suwannee 360	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Quinqueloculina sp. at 360 - 370' Dictyoconus sp. at 370 - 380'	20	380
		Limestone: as above	20	400
T.D. 400	T.D. 400			

WELL NO: GGS 2122 ALTITUDE: 186 ft.
WELL NAME: Clifford Pope TOTAL DEPTH: 430 ft.
COUNTY: Atkinson DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	310	310
In Miocene Hawthorne Undif. 310	In Miocene Undif. 310	Dolomitic Rock: brown, saccharoidal, sandy, phosphatic Fossiliferous, with molluscan shells at 320 - 350'	40	350
Oligocene Suwannee 350	Oligocene Suwannee 350	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Dictyoconus sp. at 350 - 360'	60	410
		Limestone: as above, but more loosely consolidated and granular	20	430
T.D. 430	T.D. 430			

WELL NO: GGS 2164 ALTITUDE: 162 ft.
WELL NAME: Thomas Davis #1 TOTAL DEPTH: 410 ft.
COUNTY: Atkinson DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	335	335
In Miocene Hawthorne Undif. 335	In Miocene Undif. 335	Dolomitic Rock: brown, saccharoidal, sandy, phosphatic	25	360
Oligocene Suwannee 360	Oligocene Suwannee 360	Limestone: cream, nodular, fossiliferous, with foraminifers *Dictyoconus* sp. at 395 - 410'	50	410
T.D. 410	T.D. 410			

WELL NO: GGS 1738 ALTITUDE: 359 ft.
WELL NAME: Audrey Jordan TOTAL DEPTH: 410 ft.
COUNTY: Ben Hill DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	90	90
In Miocene Hawthorne Undif. 90	In Miocene Undif. 90	Clay: pale to dark brownish-green, somewhat blocky, sandy, limonitic, with interbedded Sand; fine-to medium-grained, subangular grains	90	180
		Clay: as above, with some interbedded Limestone; cream to white, saccharoidal, sandy	60	240
		Limestone: white, saccharoidal, sandy	20	260
Oligocene Undif. 260	Oligocene Suwannee 260	Limestone: cream to white, somewhat nodular, saccharoidal, fossiliferous, with foraminifers *Pararotalia mexicana* var. at 260 - 270' *Lepidocyclina* sp. at 270 - 280'	150	410
T.D. 410	T.D. 410			

WELL NO: GGS 1830 ALTITUDE: 368 ft.
WELL NAME: H. W. Iveymeyer TOTAL DEPTH: 310 ft.
COUNTY: Ben Hill DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	90	90
In Miocene Hawthorne Undif. 90	In Miocene Undif. 90	Clay: brownish-green, with brown streaks, blocky, sandy, limonitic, with some interbedded Sand; fine-to coarse-grained, subangular grains	80	170
		Clay: as above, with some interbedded Limestone; white, saccharoidal, sandy	20	190
		Limestone: as above	50	240
Oligocene Undif. 240	Oligocene Suwannee 240	Limestone: cream, nodular, fossiliferous, with foraminifers Asterigerina subacuta, Pararotalia mexicana at 240 - 250' Lepidocyclina undosa at 260 - 270' Chert prominent at 270 - 280'	70	310
T.D. 310	T.D. 310			

WELL NO: GGS 1832 ALTITUDE: 354 ft.
WELL NAME: Joe S. Phillips #1 TOTAL DEPTH: 370 ft.
COUNTY: Ben Hill DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	140	140
In Miocene Hawthorne Undif. 140	In Miocene Undif. 140	Clay: pale to dark brownish-green, sandy	40	180
		Clay: as above, with interbedded Limestone; cream to light brown, saccharoidal, sandy	60	240
Oligocene Undif. 240	Oligocene Suwannee 240	Limestone: cream, saccharoidal, fossiliferous, with foraminifers Quinqueloculina sp. at 240 - 250' Pararotalia mexicana at 250 - 260' Sphaerogypsina globula, Lepidocyclina undosa at 280 - 290' Dictyoconus sp. at 310 - 320'	100	340

U. Eocene Ocala Undif. 340	U. Eocene Ocala 340	Limestone: white, saccharoidal, fossiliferous, with bryozoan remains and foraminifers common Nummulites floridensis at 340 - 350' ----------	30	370
T.D. 370	T.D. 370			

WELL NO: GGS 1838 ALTITUDE: 248 ft.
WELL NAME: Jake Smith #1 TOTAL DEPTH: 232 ft.
COUNTY: Ben Hill DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined ----------	90	90
In Miocene Hawthorne Undif. 90	In Miocene Undif. 90	Sand: Coarse-grained, subangular to subrounded grains ---- Clay: pale brownish-green, sandy, with some interbedded Limestone; cream, saccharoidal, sandy ---------	10 30	100 130
Oligocene Undif. 130	Oligocene Suwannee 130	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var. at 130 - 140' Lepidocyclina undosa, Sphaerogypsina globula at 160 - 170' Dictyoconus sp. at 190 - 200' ----------	80	210
U. Eocene Ocala Undif. 210	U. Eocene Ocala 210	Limestone: white to cream, saccharoidal, fossiliferous, with sparse bryozoan remains, some molluscan shells, and foraminifers Nummulites floridensis at 210 - 220' ----------	22	232
T.D. 232	T.D. 232			

WELL NO: GGS 1842 ALTITUDE: 335 ft.
WELL NAME: Lois Reeves TOTAL DEPTH: 310 ft.
COUNTY: Ben Hill DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	90	90
In Miocene Hawthorne Undif. 90	In Miocene Undif. 90	Sand: coarse-grained, subangular to subrounded grains, arkosic	50	140
		Limestone: light brown, saccharoidal, sandy, with some interbedded Clay; brownish-green, blocky, sandy	60	200
Oligocene Undif. 200	Oligocene Suwannee 200	Limestone: cream to light brown, saccharoidal, fossiliferous, with foraminifers *Pararotalia mexicana* var. at 200 - 210'	40	240
		Limestone: as above, but nodular *Dictyoconus* sp. at 280 - 290'	60	300
U. Eocene Ocala Undif. 300	U. Eocene Ocala 300	Limestone: white, much calcitized, saccharoidal, fossiliferous, with frequent molluscan shells and foraminifers *Nummulites floridensis* at 300 - 310'	10	310
T.D. 310	T.D. 310			

WELL NO: GGS 1858 ALTITUDE: 362 ft.
WELL NAME: Fitzgerald Airport TOTAL DEPTH: 382 ft.
COUNTY: Ben Hill DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	90	90
In Miocene Hawthorne Undif. 90	In Miocene Undif. 90	Clay: gray, becoming dark brownish-green at depth, sandy, limonitic	80	170
		Clay: as above, with interbedded Limestone; cream, saccharoidal, sandy	90	260

Oligocene Undif. 260	Oligocene Suwannee 260	Limestone: cream to light brown, somewhat nodular, saccharoidal, fossiliferous, with foraminifers Asterigerina sp., Pararotalia mexicana at 260 - 270' Lepidocyclina undosa at 300 - 310' Dictyoconus sp. at 310 - 320' ----------	80	340
U. Eocene Ocala Undif. 340	U. Eocene Ocala 340	Limestone: white, saccharoidal, fossiliferous, with molluscan shells and foraminifers Nummulites cf. floridensis at 340 - 350' Nummulites floridensis at 350 - 360'----------	42	382
T.D. 382	T.D. 382			

WELL NO: GGS 1863 ALTITUDE: 372 ft.
WELL NAME: Clayton Minshew TOTAL DEPTH: 215 ft.
COUNTY: Ben Hill DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
		Not examined ----------	90	90
In Miocene Hawthorne Undif. 90	In Miocene Undif. 90	Clay: pale to dark brownish-green, sandy, micaceous, with some interbedded Sand; coarse-grained, sub-angular to subrounded, arkosic ----------	100	190
		Clay: as above, with some interbedded Limestone; cream, saccharoidal, sandy, cherty ----------	20	210
Oligocene Undif. 210	Oligocene Suwannee 210	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Asterigerina sp. at 210 - 215' ----------	5	215
T.D. 215	T.D. 215			

WELL NO: GGS 1867 ALTITUDE: 352 ft.
WELL NAME: Haynes Moorehead #1 TOTAL DEPTH: 330 ft.
COUNTY: Ben Hill DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	88	88
In Miocene Hawthorne Undif. 88	In Miocene Undif. 88	Clay: dark brownish-green, blocky, sandy, with some interbedded Limestone; cream to light brown, saccharoidal, sandy	176	264
Oligocene Undif. 264	Oligocene Suwannee 264	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var. at 264 - 286' Dictyoconus sp. at 308- 330'	66	330
T.D. 330	T.D. 330			

WELL NO: GGS 1868 ALTITUDE: 365 ft.
WELL NAME: J. R. Tomberlin #1 TOTAL DEPTH: 240 ft.
COUNTY: Ben Hill DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	90	90
In Miocene Hawthorne Undif. 90	In Miocene Undif. 90	Clay: pale brownish-green, blocky, sandy	40	130
		Clay: as above, with interbedded Limestone; cream, sandy	50	180
Oligocene Undif. 180	Oligocene Suwannee 180	Limestone: cream to light brown, saccharoidal, cherty, fossiliferous, with foraminifers Pararotalia mexicana var. at 180 - 190' Lepidocyclina sp. at 210 - 220'	60	240
T.D. 240	T.D. 240			

WELL NO: GGS 1869 ALTITUDE: 378 ft.
WELL NAME: Clayton Gibbs #1 TOTAL DEPTH: 240 ft.
COUNTY: Ben Hill DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	90	90
In Miocene Hawthorne Undif. 90	In Miocene Undif. 90	Clay: gray to cream, sandy	40	130
		Limestone: cream to light brown, saccharoidal, sandy, with some interbedded Clay; as above	60	190
Oligocene Undif. 190	Oligocene Suwannee 190	Limestone: cream, saccharoidal, fossiliferous, with foraminifers		
		Pararotalia mexicana var. at 200 - 210'	50	240
T.D. 240	T.D. 240			

WELL NO: GGS 1872 ALTITUDE: 334 ft.
WELL NAME: C. A. Vickers TOTAL DEPTH: 420 ft.
COUNTY: Ben Hill DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	90	90
In Miocene Hawthorne Undif. 90	In Miocene Undif. 90	Clay: pale brownish-green, blocky, sandy	100	190
		Clay: as above, with some interbedded Limestone; cream, saccharoidal, sandy, fossiliferous, with molds and impressions of molluscan shells	40	230
Oligocene Undif. 230	Oligocene Suwannee 230	Limestone: cream to light brown, nodular, saccharoidal, fossiliferous, with foraminifers		
		Lepidocyclina sp. at 270 - 280'		
		Dictyoconus sp. at 290 - 300'	90	320
U. Eocene Ocala Undif. 320		No samples	20	340
	U. Eocene Ocala 340	Limestone: white, saccharoidal, fossiliferous, with molluscan shells, bryozoan remains, and foraminifers		
		Nummulites floridensis at 340 - 350'		
		Asterocyclina sp. at 380 - 390'	80	420
T.D. 420	T.D. 420			

WELL NO: GGS 1883 ALTITUDE: 350 ft.
WELL NAME: J. H. Dorminey TOTAL DEPTH: 368 ft.
COUNTY: Ben Hill DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined	240	240
In Miocene Hawthorne Undif. 240	Sand: yellowish-gray, fine- to coarse-grained, subangular to subrounded, and Clay; crumbly, calcareous, sandy, with macroshell fragments common, finely phosphatic, lignite and mica rare, 5Y8/1	20	260
	Clay: yellowish-gray, slightly calcareous, some is sandy, some is iron stained, and Limestone; sandy, and Sand; medium- to coarse-grained, subrounded to rounded, with recrystallized bivalve and gastropod shells common, lignite rare, 5Y7/2 Sorites sp. at 260 -270'	10	270
Oligocene Undif. 270	Limestone: white, microcrystalline, with macroshell fragments and foraminifers, N9 Macroshell fragments abundant at 270 - 300' Pararotalia mexicana, Lepidocyclina sp., Sphaerogypsina sp. at 280 - 290'	40	310
	Limestone: white, dense, very recrystallized, micritic, to to coarse-grained, more bioclastic than above, with solution pitting, contains bryozoans, bivalve fragments, algal nodules, and foraminifers, N9 Lepidocyclina favosa abundant throughout Dictyoconus sp. abundant at 330 - 350'	40	350
U. Eocene Ocala Undif. 350	Limestone: white recrystallized, soft, bioclastic, with abundant macroshell fragments and foraminifers, rare lignite, and Clay; pale green, rare, N9 Lepidocyclina ocalana throughout	18	368

T.D. 368

WELL NO: GGS 1884 ALTITUDE: 356 ft.
WELL NAME: Kyle Fuller #1 TOTAL DEPTH: 410 ft.
COUNTY: Ben Hill DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Undif. 0	Miocene Undif. 0	Sand: fine-to coarse-grained, subangular to subrounded grains, with interbedded Clay; mottled, becoming gray to pale green at depth, blocky, sandy, limonitic	160	160
		Lithology as above: with interbedded Limestone; cream to light brown, saccharoidal, sandy	70	230
		Limestone as above, but fossiliferous at depth, with molluscan shells at 260 - 300'	70	300
Oligocene Undif. 300	Oligocene Suwannee 300	Limestone: cream, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var. at 300 - 310' Asterigerina subacuta at 310 - 320' Lepidocylina sp. at 340 - 350' Dictyoconus sp. at 360 - 370' Nummulites panamensis at 400 - 410'	110	410
T.D. 410	T.D. 410			

WELL NO: GGS 1898 ALTITUDE: 335 ft.
WELL NAME: City of Fitzgerald, Well E TOTAL DEPTH: 716 ft.
COUNTY: Ben Hill DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha/ Hawthorne 0	Miocene Undif. 0	Sand: fine- to coarse-grained, subangular to subrounded grains, arkosic, with interbedded Clay; mottled, becoming pale green at depth, sandy, limonitic	164	164
Miocene Hawthorne Undif. 164		Lithology as above: with interbedded Limestone; white, saccharoidal, sandy	76	240

Oligocene Undif. 240	Oligocene Suwannee 240	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Miliolids, Pararotalia mexicana var. at 240 - 256' Dictyoconus sp., Lepidocyclina undosa, Sphaerogypsina globula at 287 - 302' ----------	97	337
U. Eocene Ocala Undif. 337	U. Eocene Ocala 337	Limestone: cream, chalky, fossiliferous, with frequent foraminifers Nummulites floridensis at 326 - 348' Asterocyclina sp. at 348 - 363' Pseudophragmina flintensis at 363 - 378' Nummulites striatoreticulatus at 501 - 532' Amphistegina pinarensis var. at 562 - 593' ----------	271	608
M. Eocene(?) Undif. 608		Sand: fine- to coarse-grained, subangular to sub-rounded grains ----------	46	654
M. Eocene Undif. 654	M. Eocene Undif. 654	Limestone: cream to light brown, saccharoidal ----------	62	716
T.D. 716	T.D. 716			

WELL NO: GGS 2111 ALTITUDE: 260 ft.
WELL NAME: Ben Hill County Farms TOTAL DEPTH: 218 ft.
COUNTY: Ben Hill DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Sand: fine-to coarse-grained, subangular to subrounded grains, with interbedded Clay; pale brownish-green, sandy, micaceous, limonitic ----------	110	110
		Limestone: white, saccharoidal, sandy, with some interbedded Sand and Clay; as above ----------	20	130
Oligocene Undif. 130	Oligocene Suwannee 130	Limestone: white, nodular, fossiliferous, with foraminifers Pararotalia mexicana var. at 130 - 140' Nummulites sp., Lepidocyclina sp. at 170 - 180' Lepidocyclina undosa, Sphaerogypsina globula at 180 - 190' Dictyoconus sp. at 190 - 200' ----------	88	218
T.D. 218	T.D. 218			

WELL NO: GGS 3037 ALTITUDE: 197 ft.
WELL NAME: Trees, Inc. TOTAL DEPTH: 390 ft.
COUNTY: Ben Hill DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		No samples	15	15
In Miocene Hawthorne Undif. 15	In Miocene Undif. 15	Sand: fine-to coarse-grained, subangular to subrounded grains, arkosic, with interbedded Clay; pale green, blocky, sandy, micaceous, and Limestone; white, saccharoidal, sandy	85	100
Oligocene Undif. 100	Oligocene Suwannee 100	Limestone: cream, much calcitized and saccharoidal, fossiliferous, with molluscan shells, bryozoan remains, and foraminifers Pararotalia mexicana var., Asterigerina subacuta at 100 - 105' Lepidocyclina undosa at 130 - 135'	115	215
U. Eocene Ocala Undif. 215	U. Eocene Ocala 215	Limestone: cream, saccharoidal, fossiliferous, with frequent molluscan shells, bryozoan remains, echinoid remains, and foraminifers Nummulites floridensis at 215 - 220' Pseudophragmina flintensis, Asterocyclina sp. at 220 - 225' Gyroidina crystalriverensis at 350 - 375'	175	390
T.D. 390	T.D. 390			

WELL NO: GGS 1368 ALTITUDE: 291 ft.
WELL NAME: City of Alapaha TOTAL DEPTH: 550 ft.
COUNTY: Berrien DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Clay: mottled, becoming gray to pale brownish-green at depth, sandy, limonitic	180	180
		Clay: as above, with some interbedded Limestone; cream to light brown, saccharoidal, sandy	70	250
		Limestone: as above, with some Clay; as above Molluscan shells, Sorites sp., Elphidium sp. and Miliolids at 320 - 330'	85	335
		Dolomitic Rock: dark brown, saccharoidal, sandy, phosphatic	35	370
		Indurated Sand: fine-grained, argillaceous	10	380

Oligocene Suwannee 380	Oligocene Suwannee 380	Limestone: gray, becoming cream at depth, rather dense, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var. at 380 - 390' Miliolids, Lepidocyclina sp., Sphaerogypsina globula at 390 - 400' Lepidocyclina undosa at 410 - 420' Nummulites panamensis at 440 - 450'	110	490
U. Eocene Ocala Undif. 490	U. Eocene Ocala 490	Limestone: cream, chalky, fossiliferous, with frequent foraminifers Asterocyclina sp., Lepidocyclina sp. at 490 - 500'	60	550
T.D. 550	T.D. 550			

WELL NO: GGS 1815 ALTITUDE: 235 ft.
WELL NAME: City of Nashville TOTAL DEPTH: 485 ft.
COUNTY: Berrien DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Clay: mottled, becoming dark brownish-green at depth, blocky, sandy, limonitic, with some interbedded Sand; fine-to coarse-grained, subangular to subrounded grains	70	70
		Clay and Sand: as above, with some interbedded Limestone; cream to light brown, saccharoidal, sandy, fossiliferous at depth Molluscan shells observed at 190 - 200'	140	210
		Limestone: cream to brown, saccharoidal, sandy, with some Clay and Sand; as above	50	260
Oligocene Suwannee 260	Oligocene Suwannee 260	Limestone: cream, saccharoidal, fossiliferous, with foraminifers Quinqueloculina sp., Pararotalia mexicana var. at 260 - 270' Dictyoconus sp. at 330 - 350' Lepidocyclina undosa at 335 - 340' Discorinopsis gunteri at 365 - 370'	185	445
U. Eocene Ocala Undif. 445	In U. Eocene Ocala 462	No samples	17	462
		Limestone: gray to brownish-gray, saccharoidal, fossiliferous, with frequent foraminifers Lepidocyclina sp., Nummulites sp. at 470 - 475' Asterocyclina sp., Nummulites cf. striatoreticulatus at 475 - 480'	23	485
T.D. 485	T.D. 485			

WELL NO: GGS 1843 ALTITUDE: 244 ft.
WELL NAME: J. W. McGill #1 TOTAL DEPTH: 298 ft.
COUNTY: Berrien DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Clay: somewhat mottled, becoming pale brownish-green and phosphatic at depth, blocky, sandy, with some interbedded Sand; fine-to coarse-grained, subangular to subrounded grains	100	100
		Clay and Sand: as above, with some interbedded Limestone; white to cream, saccharoidal, sandy	30	130
		Limestone: as above, with some interbedded Clay; pale green, somewhat indurated and tough	80	210
		Limestone: cream to gray to brown, saccharoidal, sandy, phosphatic	60	270
Oligocene Suwannee 270	Oligocene Suwannee 270	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers	28	298
T.D. 298	T.D. 298			

WELL NO: GGS 1856 ALTITUDE: 249 ft.
WELL NAME: R. E. Tucker TOTAL DEPTH: 290 ft.
COUNTY: Berrien DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	230	230
In Miocene Hawthorne Undif. 230	In Miocene Undif. 230	Limestone: white to brown, saccharoidal, sandy	40	270
Oligocene Suwannee 270	Oligocene Suwannee 270	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers	20	290
T.D. 290	T.D. 290			

WELL NO: GGS 1860 ALTITUDE: 243 ft.
WELL NAME: Lillia May Scarborough TOTAL DEPTH: 285 ft.
COUNTY: Berrien DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Clay: mottled, becoming dark brownish-green and phosphatic at depth, blocky, sandy	80	80
		Clay: as above, with some interbedded Limestone; cream, saccharoidal, sandy, cherty	120	200
		Limestone: cream to light brown, saccharoidal, sandy	40	240
		Clay: dark brownish-green, silty	20	260
Oligocene Suwannee 260	Oligocene Suwannee 260	Limestone: cream, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var. at 260 - 270'	25	285
T.D. 285	T.D. 285			

WELL NO: GGS 1875 ALTITUDE: 215 ft.
WELL NAME: Jack Poole #1 TOTAL DEPTH: 350 ft.
COUNTY: Berrien DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Clay: mottled, becoming dark brownish-green at depth, blocky, sandy, limonitic	100	100
		Clay: as above, but becoming phosphatic at depth, with some interbedded Limestone; cream, saccharoidal, sandy, and some Indurated Sand; fine-grained, cherty		
		Chert prominent at 310 - 320'	220	320
Oligocene Suwannee 320	Oligocene Suwannee 320	Limestone: cream to light brown, saccharoidal, somewhat nodular, fossiliferous with foraminifers Quinqueloculina sp. at 320 - 330'		
		Miliolids and Sorites sp. at 340 - 350'	30	350
T.D. 350	T.D. 350			

WELL NO: GGS 1881 ALTITUDE: 272 ft.
WELL NAME: Billy Williams TOTAL DEPTH: 335 ft.
COUNTY: Berrien DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	300	300
Oligocene Suwannee 300	Oligocene Suwannee 300	Limestone: gray, dense, nodular, saccharoidal, fossiliferous, with some bryozoan remains and foraminifers Pararotalia mexicana var. at 300 - 310' Dictyoconus sp. at 320 - 330'	35	335
T.D. 335	T.D. 335			

WELL NO: GGS 1960 ALTITUDE: 210 ft.
WELL NAME: Jim West #1 TOTAL DEPTH: 300 ft.
COUNTY: Berrien DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	230	230
In Miocene Hawthorne Undif. 230	In Miocene Undif. 230	Dolomitic Rock: brown, saccharoidal	10	240
Oligocene Suwannee 240	Oligocene Suwannee 240	Limestone: brown to cream, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var. at 250 - 260'	60	300
T.D. 300	T.D. 300			

WELL NO: GGS 2039 ALTITUDE: 307 ft.
WELL NAME: C. L. Cooper TOTAL DEPTH: 575 ft.
COUNTY: Berrien DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	310	310
In Miocene Hawthorne Undif. 310	In Miocene Undif. 310	Limestone: gray to cream to light brown, saccharoidal, sandy, fossiliferous, with molds and impressions of molluscan shells	130	440
Oligocene Undif. 440	Oligocene Suwannee 440	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var., Asterigerina sp. at 440 - 455' Lepidocyclina sp. at 455 - 470' Lepidocyclina undosa at 470 - 485'	135	575
T.D. 575	T.D. 575			

WELL NO: GGS 2040 ALTITUDE: 220 ft.
WELL NAME: Herbert Rogers #1 TOTAL DEPTH: 278 ft.
COUNTY: Berrien DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	90	90
In Miocene Hawthorne Undif. 90	In Miocene Undif. 90	Clay: pale brownish-gray, becoming pale green at depth, sandy, with some interbedded Limestone; white to light brown, saccharoidal, sandy	160	250
Oligocene Suwannee 250	Oligocene Suwannee 250	Limestone: gray, dense, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var. at 250 - 260'	28	278
T.D. 278	T.D. 278			

WELL NO: GGS 2049 ALTITUDE: 214 ft.
WELL NAME: R. L. Rice #1 TOTAL DEPTH: 310 ft.
COUNTY: Berrien DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	215	215
In Miocene Hawthorne Undif. 215	In Miocene Undif. 215	Interbedded Clay, Sand, and Limestone	15	230
Oligocene Suwannee 230	Oligocene Suwannee 230	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Dictyoconus sp. at 260'	80	310
T.D. 310	T.D. 310			

WELL NO: GGS 2082 ALTITUDE: 308 ft.
WELL NAME: Cairo McMillian TOTAL DEPTH: 500 ft.
COUNTY: Berrien DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	425	425
In Miocene Hawthorne Undif. 425	In Miocene Undif. 425	Limestone: gray to cream, saccharoidal, sandy, phosphatic	45	470
Oligocene Undif. 470	Oligocene Suwannee 470	Limestone: white to gray, nodular, saccharoidal, fossiliferous, with foraminifers Asterigerina sp., Pararotalia mexicana var., Lepidocyclina sp. at 470 - 485'	30	500
T.D. 500	T.D. 500			

WELL NO: GGS 2083 ALTITUDE: 217 ft.
WELL NAME: Howard Ray #1 TOTAL DEPTH: 320 ft.
COUNTY: Berrien DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	185	185
In Miocene Hawthorne Undif. 185	In Miocene Undif. 185	Interbedded Clay, Sand, and Limestone	30	215
		Limestone: brown, saccharoidal	15	230
Oligocene Suwannee 230	Oligocene Suwannee 230	Limestone: brown to cream, saccharoidal, fossiliferous, with foraminifers Dictyoconus sp. at 275 - 290'	90	320
T.D. 320	T.D. 320			

WELL NO: GGS 2104 ALTITUDE: 226 ft.
WELL NAME: D. M. Nelms #1 TOTAL DEPTH: 320 ft.
COUNTY: Berrien DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	260	260
In Miocene Hawthorne Undif.(?) 260	In Miocene Undif. 260	Dolomitic Rock: brown, saccharoidal, cherty	10	270
Oligocene Suwannee 270	Oligocene Suwannee 270	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var. at 270 - 280'	50	320
T.D. 320	T.D. 320			

WELL NO: GGS 2105 ALTITUDE: 222 ft.
WELL NAME: E. W. Smith #1 TOTAL DEPTH: 340 ft.
COUNTY: Berrien DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	200	200
In Miocene Hawthorne Undif. 200	In Miocene Undif. 200	Dolomitic Rock: brown, saccharoidal, sandy	40	240
Oligocene Suwannee 240	Oligocene Suwannee 240	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var. at 250 - 260' Dictyoconus sp. at 310 - 320'	100	340
T.D. 340	T.D. 340			

WELL NO: GGS 2126 ALTITUDE: 301 ft.
WELL NAME: Jerry Metts TOTAL DEPTH: 530 ft.
COUNTY: Berrien DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: yellowish to light brown, coarse- to very coarse-grained, angular to subangular, and Clay; containing finer grained sand White feldspar at 45-135'	165	165
	Clay: light gray, and Sand; pale yellowish-brown, pebbly, with pebbles up to 1/4 inch in diameter	15	180
In Miocene Hawthorne Undif. 180	Clay: white, commonly arenaceous, some gray, pyritic, and Sand; yellowish-brown to yellowish-gray, medium- to coarse-grained, with phosphate grains White feldspar at 180 - 195', 255 - 270' Chert (sparse) at 195 - 210', 255 - 270', 285 - 300' Macro-shell fragments (rare) at 300 - 315'	135	315
	Indurated Sand: yellowish-brown, with clay matrix, containing black phosphate grains	30	345
	Clay: yellowish-gray, commonly arenaceous, and Sand; disaggregated, coarse-grained, and phosphate grains	30	375

	Indurated Sand: with phosphatic laminae, and Clay, gray	15	390
	Sand: calcite cemented, phosphatic, with limestone intraclasts	11	401
	Dolomite: tan to gray, arenaceous, microcrystalline to saccharoidal, with phosphate grains, pyrite Molluscan shell impressions at 470 - 485'	99	500
	Limestone: yellowish gray, dolomitic, arenaceous, with phosphate grains	15	515
	Dolomite: as above	15	530

T.D. 530

WELL NO: GS 2128 ALTITUDE: 216 ft.
WELL NAME: Shannon Futch TOTAL DEPTH: 430 ft.
COUNTY: Berrien DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Clay: white, sandy, with black minerals (heavies?)	10	10
	Clay: grayish-white, dull, and Sand; coarse-grained White feldspar at 30-40'	30	40
Miocene Hawthorne Undif. 40	Clay: pale yellowish-brown, and Sand; medium- to coarse-grained, subrounded grains, 10YR5/4	150	190
	Sand: yellowish-brown, fine- to coarse-grained, subangular grains, and Clay; orange, iron stained, sandy, 10YR6/4	50	240
	Dolomite: yellowish-gray, fine-grained, 5Y7/2	10	250
	Clay: White (Kaolin?)	10	260
	Sand: yellowish-orange, clay cemented in part, phosphate grains common, 10YR6/5	20	280
	Clay and Sand: with phosphate grains	10	290
	Dolomite: white to very pale orange, fine-grained and Sand; fine-grained	30	320
	Sand: fine-grained, with lignite	10	330
	No samples	10	340
	Sand: fine-grained, and Clay; rare	10	350
	Clay: gray to white, variously waxy, tough, hackly, and sandy	20	370
	Phosphate grains: light-colored, rounded, and Sand; phosphate cemented	10	380
	Indurated Sand: phosphate cemented, with phosphate grains	10	390
	Sand: medium-grained, subangular, with small phosphate grains	10	400
	Chert: yellowish-brown, phosphatic, sandy	20	420
Oligocene Undif. 420	Limestone: fine-grained, dolomitic	10	430

T.D. 430

WELL NO: GGS 2146 ALTITUDE: 223 ft.
WELL NAME: C. E. Durrence TOTAL DEPTH: 350 ft.
COUNTY: Berrien DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	210	210
In Miocene Hawthorne Undif. 210	In Miocene Undif. 210	Limestone: cream to light brown, saccharoidal, sandy	35	245
		Clay: pale green, silty	30	275
Oligocene Suwannee 275	Oligocene Suwannee 275	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var., Asterigerina subacuta at 275 - 285'	10	285
		No samples	65	350
T.D. 350	T.D. 350			

WELL NO: GGS 2166 ALTITUDE: 268 ft.
WELL NAME: J.R. McMillian TOTAL DEPTH: 605 ft.
COUNTY: Berrien DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: medium-grained, angular, moderately indurated, with white or red clay matrix, and Clay; yellow	20	20
	Clay: variously white, yellow, and red, micaceous, and Sand; coarse-grained, angular	15	35
	Clay and Sand: light tan, unconsolidated, sand is medium- to very coarse-grained, micaceous, becoming more indurated and sandier at depth White feldspar at 50-65'	30	65
	Sand: fine- to coarse-grained and pebbles; angular, and Clay; whitish, micaceous	15	80
	Clay: pinkish-white, powdery, slightly sandy, and indurated Sand; light blue-gray, fine-grained	15	95
	Sand: fine- to very coarse-grained, somewhat indurated, and Clay; small amount	15	110

Miocene Hawthorne Undif. 110	Clay: white, hackly, and Sand; fine- to coarse-grained, milky to clear quartz, in clay matrix, sand increasing at depth Phosphate grains at 140-155'	45	155
	Sand: fine- to coarse-grained, somewhat indurated, with phosphatic clay matrix, and Clay; white to light blue, phosphatic, also contains abundant phosphate grains, and small amounts of feldspar	30	185
	Clay: light greenish-gray, sandy, somewhat nodular, and Sand; fine- to coarse-grained, angular, in phosphatic clay cement, with abundant phosphate grains Feldspar at 185-200'	30	215
	Clay: pinkish-gray, silty, and Sand; very fine- to medium-grained, with phosphate grains and clay, as above	15	230
	Clay: light to dark gray, hackly, and Sand; iron cemented and stained, with feldspar pebbles	15	245
	Clay: grayish-white, nodular, and Sand; fine-grained, with gray clay matrix, or with limonite cement Chert at 260-275'	45	290
	Dolomite: fine-grained, and Sand; fine-grained with phosphate grains	15	305
	Sand: coarse-grained, and Clay; light gray, dull, earthy (poor sample)	15	320
	Dolomite: as in 290-305' above	15	335
	Sand: light gray, fine- to coarse-grained, with clay cement and Dolomite; as above	30	365
	Dolomite: gray to tan, sandy, fine-grained, becoming pinkish and saccharoidal at depth, and Sand; fine- to coarse-grained, clay cemented (calcareous in part) with phosphate grains	150	515
	Clay: gray to greenish-gray, hackly, to nodular, and Dolomite; as above	90	605

T.D. 605

WELL NO: GGS 2167 ALTITUDE: 220 ft.
WELL NAME: Joe Lloyd #1 TOTAL DEPTH: 244 ft.
COUNTY: Berrien DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	165	165
In Miocene Hawthorne Undif. 165	In Miocene Undif. 165	Interbedded Clay, Sand, and Limestone	65	230
Oligocene Suwannee(?) 230	Oligocene Suwannee(?) 230	Limestone: brown, saccharoidal	14	244
T.D. 244	T.D. 244			

WELL NO: GGS 3542 ALTITUDE: 320 ft.
WELL NAME: Berrien #10 TOTAL DEPTH: 1271 ft.
COUNTY: Berrien DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Soil: sandy, with organic debris	3	3
In Miocene Altamaha 3	Sand: grayish-yellow, fine- to medium-grained, moderately sorted quartz, argillaceous, 5Y8/4	2	5
	Clay: mottled light gray to dark yellowish-orange to moderate red, massive, plastic, sandy (fine-grained), sand increasing with depth, N7 to 10YR6/6 to 5R4/6 Clay analysis as follows: 97.9% kaolinite, 2.1% illite at 10'	13	18
	Clay: as above, only very slightly sandy	2	20
	Clay: dark yellowish-orange, sandy (fine-grained), 10YR6/6 Clay analysis as follows: 93.4% kaolinite, 6.6% illite at 22'	2	22
	Sand: moderate yellowish-brown to moderate orange pink, medium- to coarse-grained, moderately sorted quartz, argillaceous, 10YR5/4 to 10R7/4	13	35

	Sand: light gray to greenish-gray, fine- to coarse-grained, moderately to poorly sorted quartz, argillaceous, micaceous, feldspathic(?), vaguely bedded to massive, rare heavy minerals, N7 to 5GY6/1 Clay analysis as follows: 62.5% kaolinite, 11.9% illite, 25.5% smectite at 41'	21	56
	Sandstone: very light gray to light olive gray, fine- to coarse-grained, moderately to poorly sorted, argillaceous, rarely feldspathic, vaguely bedded to massive, brecciated at intervals with cracks filled with Silt and Clay, N8 to 5Y6/1 Clay analyses as follows: 81.5% kaolinite, 5.8% ilite, 12.7% smectite at 64'; 88.1% kaolinite, 11.9% smectite at 73'; 80.7% kaolinite, 19.3% smectite at 84'; 73.7% kaolinite, 4.4% illite, 21.9% smectite at 93'	39	95
	Sand: yellowish-gray to light greenish-gray, ranging from fine-grained, well sorted, to fine- to coarse-grained, poorly sorted, argillaceous, micaceous, finely brecciated at 100-105', carbonaceous (N4) at 112-115', Clay at 122-123', 5Y8/1 to 5GY8/1 Clay analyses as follows: 73.5% kaolinite, 26.5% smectite at 103'; 31.3% kaolinite, 68.7% smectite at 115'	28	123
Middle Miocene unnamed Sand and Clay 123	Sand: light olive gray to light greenish-gray, clayey sand to sandy clay, sand is fine-grained, well sorted quartz, phosphatic, laminated to thinly bedded, clay is diatomaceous, 5Y6/1 to 5GY8/1 Clay, brecciated, diatomaceous, sandy, phosphatic, at 140-146' Chert at 151-160' Clay analyses as follows: 2.4% kaolinite, 32.6% illite, 18.1% palygorskite, 46.8% smectite at 126'; 48.0% palygorskite, 52.0% smectite at 128'; 48.9% palygorskite, 51.1% smectite at 139.5'; 65.5% palygorskite, 15.3% sepiolite, 19.3 smectite at 144'; 31.4% palygorskite, 48.8% sepiolite, 19.8% smectite at 157'	37	160
Miocene Hawthorne Undif. 160	Sand: yellowish-gray to medium gray, fine- to medium-grained, well sorted quartz, argillaceous, with clay intraclasts, phosphatic, cherty, massive, certain intervals contain abundant heavy minerals, 5Y8/1 to N/5 Poor recovery at 203-212'		

Clay analyses as follows: 20.5% palygorskite, 52.5% sepiolite, 27.0% smectite at 165'; 19.3% illite, 12.7% palygorskite, 27.2% 19.3% illite, 12.7% palygorskite, 27.2 sepiolite, 40.8% smectite at 181'; 23.9% illite, 12.7% palygorskite, 21.2% sepiolite, 42.3% smectite at 200' ----------	54	214
Clay: dark greenish-gray, dense, laminated, slightly silty and pyritic, 5GY4/1 Clay analysis as follows: 15.0% illite, 85.0% smectite at 215' ----------	3	217
Sand: light olive gray, medium- to very coarse-grained with pebbles at base, poorly sorted, argillaceous, 5Y6/1 Clay analysis as follows: 5.0% kaolinite, 16.0% illite, 4.3% palygorskite, 2.8% sepiolite, 71.9% smectite at 219' ----------	2	219
Clay: greenish-gray to dark greenish-gray, brittle, waxy, slickensided, mainly massive and structureless, with variable amounts of fine sand and silt, with heavy minerals, 5GY6/1 to 5G4/1 Dolomite, white, powdery at 229', Carbonaceous at 239-241' Clay analyses as follows: 22.1% palygorskite, 77.9% smectite at 223'; 12.5% kaolinite, 20.2% illite, 4.7% palygorskite, 62.6% smectite at 230'; 20.4% kaolinite, 79.6% smectite at 240'; 64.4% kaolinite, 6.3% illite, 29.3% smectite at 250' ----------	37	256
Poor recovery: recovered light gray, medium-grained sand, unconsolidated, with clay clasts at bottom of interval, N7 ----------	20	276
Sand: very light gray to light greenish-gray, fine-grained, well sorted, argillaceous, bioturbated to massive, N8 to 5GY8/1 Clay analysis as follows: 40.5% kaolinite, 8.7% illite, 50.7% smectite at 277' ----------	6	282
Poor recovery ----------	8	290
Clay: greenish-gray, laminated, with phosphatic fine-grained sand and silt between clay laminae, 5G6/1 Clay analysis as follows: 18.1% illite, 12.0% palygorskite, 27.6% sepiolite, 42.3% smectite at 291' ----------	2	292
Poor recovery Clay analysis as follows: 58.6% palygorskite, 21.5% sepiolite, 19.8% smectite at 323' ----------	38	330
Dolomite: greenish-gray, silty, phosphatic, with phosphatic clasts and clay clasts, upper contact appears irregular (rip-up), 5G6/1 ----------	3	333

Clay: dark greenish-gray, laminated, pyritic, 5G4/1 Clay analyses as follows: 61.8% kaolinite, 5.8% illite, 32.4% smectite at 340' 42.2% kaolinite, 8.0% illite, 49.8% smectite at 354'	22	355
Dolomite: very light gray to greenish-gray, variably sandy, argillaceous with rounded pea-sized clay clasts and interlayered clay, pyritic, phosphatic, brecciated, N8 to 5GY6/1 Clay analysis as follows: 34.3% illite, 2.2% sepiolite, 63.5% smectite at 367'	19	374
Clay: dark greenish-gray, pure, massive, 5G4/1 Clay analysis as folows: 77.5% illite, 22.5% smectite at 377'	6	380
Poor recovery: recovered sandy, fossiliferous (scallops) limestone to calcareous sand	8	388
Dolomite: very light gray to light olive gray to greenish-gray, fine-grained, variably sandy (fine-grained), non-fossiliferous to abundantly macrofossiliferous, abundant heavy minerals, very rare phosphate, variably bioturbated, incompletely mixed, intraclastic, carbonaceous, sandy Clay at 417-422' pure, fine-grained, white Sand at 422-427', algal mat structures at 473-574', lutitic, carbonaceous or pyritric dolomite at 476-482', N8 to 5Y6/1 to 5GY6/1, Clay analyses as follows: 100% smectite at 402'; 100% smectite at 414'; 4.1% kaolinite, 19.9% illite, 16.8% palygorskite, 59.2% smectite at 431'; 3.4% kaolinite, 43.6% illite, 53.0% smectite at 461'; 33.2% ilite, 66.8% smectite at 478'	94	482
Limestone: white to very pale orange, sandy, abundantly fossiliferous with molds of macrofossils, N9 to 10YR8/2	17	499
Limestone: very light gray to medium light gray, sandy, very slightly phosphatic, fossiliferous with molds of macrofossils, intraclasts of medium gray (N5) dolomite(?) at top of interval, N8 to N6	14	513
Dolomite: white to dark gray, variably sandy and phosphatic, thinly bedded with thin laminae of sand micaceous, N9 to N3 Clay analysis is a follows: 4.6% sepiolite, 95.4% smectite at 526'	21	534
Limestone: very light gray to medium light gray, intraclastic, with phosphatic sand (fine-grained, well-sorted) and algal mat structures at bottom of interval, N8 to N6 Clay analysis as follows: 27.9% illite, 11.5% palygorskite, 60.6% smectite at 537'	6	540

	Sand: light gray to dark gray, fine-grained, well-sorted quartz, massive, structureless, highly phosphatic, slightly dolomitic, N7 to N3, Clay analysis as follows: 2.1% kaolinite, 1.2% sepiolite, 96.8% smectite at 552'	27	567
	Clay: dark greenish-gray, sandy, phosphatic, dolomitic, 5GY4/1 Clay analysis as follows: 28.6% illite, 44.2% palygorskite, 27.2% smectite at 568'	5	572
	Dolomite: grayish-yellow-green to moderate greenish-gray, intraclastic, sandy, argillaceous, fossiliferous in upper part of interval, algal mat structures at 574-577', 5GY7/2 to 5GY5/1, Poor recovery at 581-589' Clay analysis as follows: 39.0% illite, 61.0% smectite at 576'	20	592
	Clay: grayish-green, calcareous, slightly sandy, 5GY6/1, Clay analysis as follows: 22.0% illite, 78.0% smectite at 593'	8	600
	Limestone: very light gray to very pale orange, dense, granular, silty, with intraclasts of coralline limestone below, N8 to 10YR8/2	4	604
Oligocene Undif. 604	Limestone: white to yellowish-gray to very pale orange, granular, calcarenite, coralline, dolomitized in top 8' of interval, argillaceous at 613-622', pyrite in pores at 650', N9 to 5Y8/1 to 10YR8/2 No samples at 622-631' and 633'-642'	58	662
	No samples	59	721
	Limestone: white to yellowish-gray, massive, generally fine-grained, granular (micritic to coarsely granular) to lutitic, chalky at intervals, massive and structureless to bioturbated to thinly layered, argillaceous at intervals, with thin clay laminae, variably dolomitized at intervals, rare fine-grained pyrite, with organics and carbonaceous laminae, generally abundantly fossiliferous, with foraminifers (Lepidocyclina sp. and Nummulites sp. throughout interval), rare bryozoans, algae, echinoid fragments, N9 to 5Y7/1 Pararotalia mexicana at 723' No samples at 904-920'	226	947
	Clay: yellowish-gray, tough, laminated, calcareous, 5Y7/1 Pararotalia mexicana at 951' Chert at 961'	16	963
	Limestone: yellowish-gray, granular, phosphatic, glauconitic and argillaceous, all increasing with depth, very thin carbonaceous layers toward bottom of interval, bottom 2' are composed of clasts of limestone in clay matrix, 5Y8/1		

	Lepidocyclina sp. at 969' ----------	14	977
Probable U. Eocene Undif. 977	Limestone: yellowish-gray to moderate olive gray, granular, tough, dense, argillaceous, with rare foraminifers, becoming calcareous clay at bottom of interval, 5Y8/1 to 5Y5/1		
	Chert, black at 980' ----------	25	1002
	Limestone: white to yellowish-gray, finely granular, massive, dense, to bedded, with scattered phosphate, glauconite, and pyrite(?), rare foraminifers, N9 to 5Y8/1 ----------	14	1016
	Limestone: white to moderate olive gray, argillaceous, finely granular, variably bioturbated and burrowed, thinly layered to laminated, clay increases to 1060' then decreases with depth, grading into a massive, structureless, recrystallized, calcarenitic limestone, non-argillaceous, chalky, with intergranular micrite from 1084-1102', rarely fossiliferous with echinoids and foraminifers, (Lepidocyclina sp.) ----------	86	1102
	Dolomite: light olive gray, saccharoidal, somewhat calcareous, scattered dark minerals, 5Y6/1 (note: poor core recovery in this interval, thickness of dolomite based on electric log) ----------	10	1112
	Limestone: very light gray to very pale orange, granular, micritic to calcarenitic, layered, flaggy at intervals, variably bioturbated, more recrystallized and massive toward bottom of interval, rare widely scattered organics, N8 to 10YR8/2, Dolomitic at 1130-1132', Phosphatic(?) at 1130-1132' and at bottom of interval, Glauconitic at 1130-1140', Pyritic at 1152' and at bottom of interval ----------	70	1182
	Limestone: as above, but fossiliferous, bioclastic, with foraminifers, bryozoans, echinoid fragments, and algae Lepidocyclina sp. at 1181', 1190', 1199' Nummulites sp. at 1181', 1190' Nummulites floridensis at 1188' Nummulites mariannensis at 1188' ----------	22	1204
	Poor recovery ----------	17	1221
	Limestone: light gray to very pale orange, as above, finely granular, saccharoidal, layered, partially recrystallized at intervals, sparsely phosphatic starting at 1241' and increasing at 1250' and increasing with depth, with pyrite and organic material defining bedding, appears cross-bedded at 1250-1255', sparsely fossiliferous at intervals, N7 to 10YR8/2 Asterocyclina sp., Lepidocyclina sp., Nummulites sp. at 1230' ----------	50	1271
T.D. 1271			

WELL NO: GGS 723 ALTITUDE: 191 ft.
WELL NAME: Brooks Co. Training School TOTAL DEPTH: 240 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Clay: mottled, becoming pale green at depth, blocky, sandy, with some interbedded Sand; fine-grained, subangular to subrounded grains	80	80
		Lithology as above: some interbedded Limestone; cream, saccharoidal, sandy	30	110
		Limestone: cream, becoming brown at depth, saccharoidal, sandy, fossiliferous at certain levels, with occasional foraminifers *Sorites* sp. at 200 - 210'	100	210
Oligocene Suwannee 210	Oligocene Suwannee 210	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers *Pararotalia mexicana* var. at 220 - 230'	30	240
T.D. 240	T.D. 240			

WELL NO: GGS 759 ALTITUDE: 235 ft.
WELL NAME: R. S. Gilmer #1 TOTAL DEPTH: 231 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Clay: mottled, becoming pale brownish-green at depth, blocky, sandy	45	45
		Clay: as above, with some interbedded Limestone; white to cream, saccharoidal, sandy	40	85
		Limestone: cream to brown, saccharoidal	25	110
Oligocene Suwannee 110	Oligocene Suwannee 110	Limestone: brown, saccharoidal, somewhat nodular, cherty, fossiliferous, with foraminifers *Pararotalia mexicana* var. at 120 - 130'	50	160
		Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers *Dictyoconus* sp. at 175 -180'	71	231
T.D. 231	T.D. 231			

WELL NO: GGS 840 ALTITUDE: 189 ft.
WELL NAME: Essie McKnown #1 TOTAL DEPTH: 205 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		No samples	5	5
In Miocene Hawthorne Undif. 5	In Miocene Undif. 5	Clay: mottled, becoming dark brownish-green at depth, sandy, with some interbedded Sand; fine-to coarse-grained, subangular to subrounded grains	55	60
		Clay: dark brownish-green, blocky, sandy	10	70
		Clay: as above, with some interbedded Limestone; white, saccharoidal, sandy	15	85
		Limestone: as above	20	105
Oligocene Suwannee 105	Oligocene Suwannee 105	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Miliolids at 115 - 120' Dictyoconus sp. at 125 - 130' Pararotalia mexicana var. at 130 - 135'	100	205
T.D. 205	T.D. 205			

WELL NO: GGS 846 ALTITUDE: 219 ft.
WELL NAME: City of Morven TOTAL DEPTH: 296 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic	20	20
In Miocene Hawthorne Undif. 20		Clay: pale to dark brownish-green, sandy	40	60
		Clay: as above, with some interbedded Limestone; white, saccharoidal, sandy	65	125
		Limestone: cream to light brown, saccharoidal, sandy	50	175
Oligocene Suwannee 175	Oligocene Suwannee 175	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Quinqueloculina sp., Pararotalia mexicana at 165 - 185' Dictyoconus sp. at 270 - 295'	121	296
T.D. 296	T.D. 296			

WELL NO: GGS 888 ALTITUDE: 150 ft.
WELL NAME: Mrs. Renew #1 TOTAL DEPTH: 200 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: brick-red to mottled, sandy, limonitic ----------	50	50
In Miocene Hawthorne Undif. 50		Clay: brownish-green, with tan streaks, sandy ----------	30	80
		Clay: as above, with some interbedded Limestone; cream, saccharoidal, sandy, cherty ----------	20	100
Oligocene Suwannee 100	Oligocene Suwannee 100	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Quinqueloculina sp., Pararotalia mexicana var. at 100 - 110'		
		Dictyoconus sp. at 120 - 130' ----------	100	200
T.D. 200	T.D. 200			

WELL NO: GGS 889 ALTITUDE: 184 ft.
WELL NAME: Morning Star Church #1 TOTAL DEPTH: 156 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Clay: mottled, becoming pale green at depth, sandy, limonitic ----------	60	60
		Limestone: white to light brown, saccharoidal, sandy -----	60	120
Oligocene Suwannee 120	Oligocene Suwannee 120	Limestone: as above, with increasing amounts, at depth, of Limestone; cream, nodular, saccharoidal, fossiliferous, with foraminifers Dictyoconus(?) sp., Pararotalia mexicana var. at 120 - 130'		
		Dictyoconus sp. at 140 - 150' ----------	36	156
T.D. 156	T.D. 156			

WELL NO: GGS 892 ALTITUDE: 212 ft.
WELL NAME: Willie Monds TOTAL DEPTH: 240 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic ----------	20	20
In Miocene Hawthorne Undif. 20		Clay: tan to buff, becoming pale green at depth, sandy ----------	50	70
		Clay: as above, with some interbedded Limestone; white, saccharoidal, sandy, cherty ----------	50	120
		No samples ----------	20	140
		Limestone: white to light brown, saccharoidal, sandy -----	50	190
Oligocene Suwannee 190	Oligocene Suwannee 190	Limestone: cream, saccharoidal, fossiliferous, with foraminifers *Pararotalia mexicana* var. at 190 - 200' ----------	50	240
T.D. 240	T.D. 240			

WELL NO: GGS 893 ALTITUDE: 228 ft.
WELL NAME: W. R. Hunter #1 TOTAL DEPTH: 250 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: tan to buff, sandy, limonitic ----------	50	50
In Miocene Hawthorne Undif. 50		Clay: gray to cream, becoming pale green and phosphatic at depth, with some interbedded Limestone; white to cream, saccharoidal, sandy ----------	50	100
		Limestone and some interbedded Clay: as above ----------	50	150
Oligocene Suwannee 150	Oligocene Suwannee 150	Limestone: cream, saccharoidal, fossiliferous, with foraminifers *Pararotalia mexicana* var. at 150 - 160' *Dictyoconus* sp. at 200 - 210' ----------	100	250
T.D. 250	T.D. 250			

WELL NO: GGS 894 ALTITUDE: 127 ft.
WELL NAME: Hunter #1 TOTAL DEPTH: 190 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: tan to buff to mottled, sandy, limonitic ----------	30	30
In Miocene Hawthorne Undif. 30		Clay: pale to dark brownish-green, blocky, sandy, phosphatic at depth ----------	40	70
		Clay: as above, with some interbedded Limestone; white, saccharoidal, sandy ----------	20	90
Oligocene Suwannee 90	Oligocene Suwannee 90	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Miliolids, Pararotalia mexicana var. at 90 - 100' Dictyoconus sp. at 100 - 110' ----------	100	190
T.D. 190	T.D. 190			

WELL NO: GGS 895 ALTITUDE: 228 ft.
WELL NAME: Fred Dodd #1 TOTAL DEPTH: 240 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: tan to buff, sandy, limonitic, with some interbedded Limestone; (at depth) white, saccharoidal, sandy ----------	90	90
In Miocene Hawthorne 90		Limestone: light brown, saccharoidal, sandy, with some interbedded Clay; pale green, sandy ----------	30	120
Oligocene Suwannee 120	Oligocene Suwannee 120	Limestone: light brown, saccharoidal, fossiliferous, with foraminifers Quinqueloculina sp., Pararotalia mexicana var., Asterigerina subacuta at 120 - 130' Dictyoconus sp. at 150 - 160' ----------	120	240
T.D. 240	T.D. 240			

WELL NO: GGS 896 ALTITUDE: 223 ft.
WELL NAME: J. C. Haskle TOTAL DEPTH: 200 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: mottled, sandy, blocky, limonitic	20	20
In Miocene Hawthorne Undif. 20		Clay: tan, becoming pale brownish-green and phosphatic at depth, sandy	40	60
		Clay: as above, with some interbedded Limestone; white, saccharoidal, sandy	40	100
Oligocene Suwannee 100	Oligocene Suwannee 100	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Quinqueloculina sp., Pararotalia mexicana var., Dictyoconus sp. at 100 - 120'	100	200
T.D. 200	T.D. 200			

WELL NO: GGS 897 ALTITUDE: 205 ft.
WELL NAME: C. V. Nicholds TOTAL DEPTH: 250 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic	30	30
In Miocene Hawthorne Undif. 30		Clay: tan to buff to gray, sandy, phosphatic at depth	30	60
		Clay: brownish-gray, sandy, phosphatic, with some interbedded Limestone; white to light brown, saccharoidal, sandy	100	160
Oligocene Suwannee 160	Oligocene Suwannee 160	Dolomitic Rock: dark brownish-gray, saccharoidal, cherty, fossiliferous, with foraminifers Pararotalia mexicana var. at 160 - 170'	20	180
		Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Dictyoconus sp. at 210 - 220'	70	250
T.D. 250	T.D. 250			

WELL NO: GGS 898 ALTITUDE: 127 ft.
WELL NAME: O. D. Blackburn #1 TOTAL DEPTH: 209 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic	20	20
In Miocene Hawthorne Undif. 20		Clay: tan to buff, becoming pale green at depth, sandy	40	60
		Clay: as above with some interbedded Limestone; white, saccharoidal, cherty, sandy	40	100
Oligocene Suwannee 100	Oligocene Suwannee 100	Limestone: white, nodular, saccharoidal, fossiliferous, with foraminifers Miliolids, Pararotalia mexicana var. at 100 - 110' Dictyoconus sp. at 110 - 120'	109	209
T.D. 209	T.D. 209			

WELL NO: GGS 899 ALTITUDE: 219 ft.
WELL NAME: J. E. Cooper #1 TOTAL DEPTH: 220 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: tan, with red streaks (somewhat mottled), sandy, limonitic	30	30
In Miocene Hawthorne Undif. 30		Clay: tan, becoming pale green and phosphatic at depth, sandy	40	70
		Limestone: cream, saccharoidal, sandy, with some interbedded Clay; as above	10	80
		Limestone: light brown, saccharoidal, sandy	10	90
Oligocene Suwannee 90	Oligocene Suwannee 90	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Dictyoconus sp., Pararotalia mexicana var. at 90 - 100'	130	220
T.D. 220	T.D. 220			

WELL NO: GGS 900 ALTITUDE: 201 ft.
WELL NAME: C. L. Willaford TOTAL DEPTH: 186 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Clay: pale green, with tan to red streaks (somewhat mottled), blocky, sandy, limonitic	20	20
		Clay: tan to pale green, blocky, sandy, phosphatic at depth	70	90
		Clay: as above, with some interbedded Limestone; white, saccharoidal, sandy	10	100
Oligocene Suwannee 100	Oligocene Suwannee 100	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Miliolids, Pararotalia mexicana var. at 100 - 110' Dictyoconus? sp. at 130 - 140'	60	160
		No samples	26	186
T.D. 186	T.D. 186			

WELL NO: GGS 901 ALTITUDE: 225 ft.
WELL NAME: Virgil Griner #1 TOTAL DEPTH: 210 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic	20	20
In Miocene Hawthorne Undif. 20		Clay: tan, becoming pale green at depth, sandy, with some interbedded Sand; fine-to coarse-grained, subangular to subrounded grains	50	70
		Clay: as above, with interbedded Limestone; light brown, saccharoidal, sandy, phosphatic at depth	40	110
Oligocene Suwannee 110	Oligocene Suwannee 110	Limestone: cream, saccharoidal, fossiliferous, with foraminifers Miliolids, Dictyoconus sp., Asterigerina subacuta at 110 - 120'	100	210
T.D. 210	T.D. 210			

WELL NO: GGS 902 ALTITUDE: 218 ft.
WELL NAME: Ed Hutchinson #1 TOTAL DEPTH: 226 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic ----------	20	20
In Miocene Hawthorne Undif. 20		Clay: tan to buff, becoming pale green at depth, blocky, sandy ----------	35	55
		Clay: as above, but sparsely phosphatic, with some interbedded Limestone; white, saccharoidal, sandy ----	45	100
		Limestone: light brown, saccharoidal, sandy, with some interbedded Clay; as above ----------	20	120
Oligocene Suwannee(?) 120	Oligocene Suwannee(?) 120	Dolomitic Rock: dark brown, saccharoidal, somewhat porous and cherty at depth ----------	45	165
Oligocene Suwannee 165	Oligocene Suwannee 165	Limestone: cream, saccharoidal, fossiliferous, with foraminifers <u>Asterigerina subacuta</u>, <u>Pararotalia mexicana</u> at 165 - 190' ----------	25	190
		No samples ----------	36	226
T.D. 226	T.D. 226			

WELL NO: GGS 911 ALTITUDE: 215 ft.
WELL NAME: McCord #1 TOTAL DEPTH: 218 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic	10	10
In Miocene Hawthorne Undif. 10		Clay: dark brown to tan, becoming dark brownish-green at depth, blocky, sandy	50	60
		Clay: pale to dark brownish-green, very sandy, phosphatic, with some interbedded Limestone; white, saccharoidal, sandy	50	110
		Limestone: white, saccharoidal, sandy, with some interbedded Clay; white to gray, sandy	20	130
		Limestone: light brown, saccharoidal, sandy	40	170
Oligocene Suwannee 170	Oligocene Suwannee 170	Limestone: white, nodular, saccharoidal, fossiliferous, with foraminifers Miliolids, Pararotalia mexicana var. at 170 - 180'	48	218
T.D. 218	T.D. 218			

WELL NO: GGS 912 ALTITUDE: 155 ft.
WELL NAME: Lyman Hines #1 TOTAL DEPTH: 200 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH I FEET
Residuum 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic	20	20
In Miocene Hawthorne Undif. 20		Clay: tan to buff, becoming dark brownish-green at depth, blocky, sandy, limonitic	60	80
Oligocene Suwannee 80	Oligocene Suwannee 80	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Dictyoconus sp. at 80 - 90'	120	200
T.D. 200	T.D. 200			

WELL NO: GGS 1005 ALTITUDE: 213 ft.
WELL NAME: J. M. Tyson #1 TOTAL DEPTH: 230 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum	Miocene	Clay: somewhat mottled, pale green with tan to red		
0	Undif.	streaks, sandy, limonitic ----------	30	30
	0	Lithology as above: with kaolin ----------	10	40
In Miocene Hawthorne Undif.		Clay: dark brownish-green, blocky, sandy ----------	50	90
40		Clay: as above, with interbedded Sand; fine-grained, subangular to subrounded grains, and Limestone; white, saccharoidal, sandy, cherty		
		Chert prominent at 100 - 110'		
		Lignite prominent at 160 - 170' ----------	80	170
		Limestone: light brown, saccharoidal, sandy, phosphatic, sparsely fossiliferous with occasional foraminifers		
		Peneroplis sp. at 180 - 190' ----------	20	190
Oligocene Suwannee	Oligocene Suwannee	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers ----------	40	230
190	190			
T.D. 230	T.D. 230			

WELL NO: GGS 1006 ALTITUDE: 183 ft.
WELL NAME: J. W. Stipe #1 TOTAL DEPTH: 220 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum	Miocene	Clay: mottled, blocky, sandy, limonitic ----------	20	20
0	Undif.			
	0			
In Miocene Hawthorne Undif.		Clay: pale green, sandy ----------	30	50
20		Clay: as above, with some interbedded Limestone; white, saccharoidal, sandy, cherty ----------	60	110
		Chert prominent at 80 - 90'		
		Limestone: light brown, saccharoidal, sandy, with some interbedded Clay; as above ----------	10	120

Oligocene Suwannee 120	Oligocene Suwannee 120	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var. at 120 - 130' Dictyoconus sp. at 170 - 180'	80	200
		No samples	20	220
T.D. 220	T.D. 220			

WELL NO: GGS 1106
WELL NAME: Paul Patrick #1
COUNTY: Brooks
ALTITUDE: 185 ft.
TOTAL DEPTH: 205 ft.
DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: mottled, blocky, sandy, limonitic	35	35
In Miocene Hawthorne Undif. 35		Clay: tan to buff, sandy, becoming dark brownish-green at depth, sandy, with some interbedded Sand; fine- to coarse-grained, subangular to subrounded grains	20	55
		Clay: as above, with interbedded Limestone; white, saccharoidal, sandy, cherty	60	115
Oligocene Suwannee 115	Oligocene Suwannee 170	Dolomite: light brown, saccharoidal	55	170
		Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Quinqueloculina sp., Dictyoconus sp., Pararotalia mexicana var. at 175 - 180'	15	185
		No samples	20	205
T.D. 205	T.D. 205			

WELL NO: GGS 1387 ALTITUDE: 235 ft.
WELL NAME: E. C. Cooper TOTAL DEPTH: 300 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic	10	10
		Clay: tan to buff, becoming pale green at depth, sandy, limonitic Kaolin present at 10 - 30'	30	40
In Miocene Hawthorne Undif. 40		Clay: as above, with interbedded Limestone; white to light brown, saccharoidal, sandy	50	90
		Limestone and some interbedded Clay: as above	60	150
Oligocene Suwannee 150	Oligocene Suwannee 150	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Quinqueloculina sp., Pararotalia mexicana var. at 150 - 160' Dictyoconus sp. at 190 - 200'	50	200
		Not examined	100	300
T.D. 300	T.D. 300			

WELL NO: GGS 1390 ALTITUDE: 165 ft.
WELL NAME: Arthur Bass #1 TOTAL DEPTH: 180 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	In Miocene Undif. 30	No samples	30	30
		Clay: tan, sandy, limonitic	20	50
In Miocene Hawthorne Undif. 50		Clay: pale green, sandy, with some interbedded Limestone; white, saccharoidal, sandy	50	100

Oligocene Suwannee 100	Oligocene Suwannee 100	Limestone: cream to light brown, nodular, saccharoidal, fossiliferous, with foraminifers <u>Quinqueloculina</u> sp. at 100 - 120' <u>Dictyoconus</u> sp. at 120 - 130'	80	180
T.D. 180	T.D. 180			

WELL NO: GGS 1436 ALTITUDE: 185 ft.
WELL NAME: Thomas A. Calhoun TOTAL DEPTH: 182 ft.
COUNTY: Brooks DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic	10	10
		Clay: tan to buff, blocky, sandy, limonitic	10	20
In Miocene Hawthorne Undif. 20		Clay: pale to dark brownish-green, sandy, phosphatic at depth	50	70
		Clay: as above, with interbedded Limestone; white, saccharoidal, sandy	20	90
Oligocene Suwannee 90	Oligocene Suwannee 90	Limestone: cream, nodular, saccharoidal, cherty, fossiliferous, with foraminifers Chert prominent at 90 - 100' <u>Dictyoconus</u> sp., <u>Pararotalia mexicana</u> var. at 120 - 130'	92	182
T.D. 182	T.D. 182			

WELL NO: GGS 3189 ALTITUDE: 220 ft.
WELL NAME: Brooks #7 (U.S. Gypsum 76-2A) TOTAL DEPTH: 335 ft.
COUNTY: Brooks DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	84	84
In Miocene Chattahoochee 84	Dolomite: sandy, slightly calcareous <u>Sorites</u> at 98' No samples at 100-115' Chert at 137'	59	143

Oligocene Suwannee 143	Limestone: white to very pale orange, fine-grained, recrystallized, slightly argillaceous with small clay lenses, fossiliferous with miliolids, macrofossil molds, burrows, algae, 10Y8/2 Chert at 146' Kuphus incrassatus, scattered tubes at 147-171' No samples at 200-244' Dictyoconus sp. at 246' ----------	106	249
Oligocene Undif. 249	Dolomite: tan, dense, finely crystalline, with occasional macroshell molds, fractured with dolomite infillings, thin clay laminae at 272-274' ----------	25	274
	Limestone: bioclastic, abundantly fossiliferous with bryozoans, foraminifers (Lepidocyclina sp. common), and algae ----------	19	293
U. Eocene Ocala Undif. 293	Dolomite and Limestone: interlayered, Dolomite from 292-302', 307-309', and 319-332', tan, fine-grained, crystalline, dense; Limestone from 302-307', 309-319', and 332-335', dolomitic, saccharoidal, chalky, fossiliferous with pectens and Lepidocyclina sp. ----	42	335

T.D. 335

WELL NO: GGS 3208 ALTITUDE: 160 ft.
WELL NAME: Brooks #8 (U.S. Gypsum 76-4) TOTAL DEPTH: 821 ft.
COUNTY: Brooks DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples ----------	61	61
In Oligocene Suwannee 61	Limestone: gray, dense, hard, recrystallized, granular, sparsely fossiliferous with scattered mollusk molds Chert at 61-62', 71-73' ----------	17	78
	No samples ----------	12	90
	Limestone: white to light gray, chalky, micritic --------	4	94
	No samples ----------	6	100
	Limestone: variably recrystallized, porous, pelletal, foraminiferal, miliolid, with scattered algae and mollusk molds, corals, locally micritic and chalky Sorites at 105' Dictyoconus sp. at 119' ----------	95	195
	Dolomite: brown to gray, hard, dense, thinly bedded, with abundant molds of mollusks and foraminifers ---------	10	205

Oligocene Undif. 205	Limestone: granular, calcarenitic, pelletal, foraminiferal, miliolid, with algae, mollusk molds, small solitary corals, bryozoans Lepidocyclina sp. abundant throughout interval Rhyncholampus gouldii at 212', 213' Clypeaster cf. rogersi at 213' Turritella martinensis at 218' Lepidocyclina coquina at 226' ----------	22	227
U. Eocene Ocala Undif. 227	Dolomite: tan to brown, hard, dense, sugary, arenitic, interclastic, layered, fossiliferous (mostly obliterated) ----------	14	241
	Not examined ----------	580	821

T.D. 821

WELL NO: GGS 3209 ALTITUDE: 200 ft.
WELL NAME: Brooks #9 (U.S. Gypsum 76-2C) TOTAL DEPTH: 814 ft.
COUNTY: Brooks DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples ----------	223	223
In Oligocene Undif. 223	Dolomite: gray to brown, mottled, hard, dense, sugary, grading with depth to fine-grained, thinly layered, argillaceous, fossiliferous with abundant small mollusk molds ----------	29	252
Oligocene Undif. 252	Limestone: granular, pelletal, fossiliferous with macroshells, bryozoans, foraminifers (Lepidocyclina sp.), and algae ----------	14	266
	No samples ----------	3	269
	Dolomite: fossiliferous ----------	10	279
U. Eocene Ocala Undif. 279	Dolomite: interlayered with dolomitic Limestone and Limestone; Dolomite is brown to tan, friable to hard and dense, moderately fossiliferous; Limestone intervals are 279-284', 399-411', and is intraclastic, pelletal, granular, abundantly fossiliferous with macrofossil molds, foraminifers Gypsum, as selenite, first appears at 385' and is abundant at intervals below that, locally filling fractures		

	Aequipecten spillmani at 279' Nummulites sp. at 280', 465' Lepidocyclina sp. at 280' Amusium cf. ocalanum at 286' Heterostegina at 312' ----------	189	468
	Limestone: generally indurated, abundantly fossiliferous with bryozoans and miliolids in a granular, pelletal matrix, chalky at intervals, dolomitic at intervals, particularly toward bottom of sample interval Gypsum, abundant from 471-493', 513-532', 645-672', 741-748', and scattered elsewhere in the interval, gypsum occurs as selenite, granular gypsum, and nodules, locally filling fractures Nummulites sp. at 486', 493', 504', 521', 571', 578', 640-651' Asterocyclina sp. at 488', 547-580' Nummulites mariannensis at 556' Amusium sp. at 585' Nummulites vicksburgensis at 633' ----------	280	748
M. Eocene Undif. 748	Limestone: white, chalky, friable, micritic, fossiliferous, dolomitic (tan) and less fossiliferous at 776-782', limestone becoming more granular below 800' Nummulites sp. at 785' Lepidocyclina sp. at 808' ----------	66	814

T.D. 814

WELL NO: GGS 3211 ALTITUDE: 260 ft.
WELL NAME: Brooks #10 (U.S. Gypsum 76-10) TOTAL DEPTH: 856 ft.
COUNTY: Brooks DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	186	186
In Oligocene Suwannee 186	Poor recovery: recovered fragments of crystalline limestone and chert	13	199
	Limestone: white to cream, dense and recrystallized near top becoming more porous with depth, abundantly fossiliferous with miliolids, foraminifers, molds of larger fossils, scattered algae and corals, slightly argillaceous with scattered green, waxy clay clasts Lepidocyclina sp., Dictyoconus sp. common at 252-338'	139	338
Oligocene Undif. 338	Limestone: algal limestone with pelletal and granular matrix, at intervals algae decline and Lepidocyclina sp. become common	26	364
Oligocene Undif. 364	Dolomite: tan to brown, very hard, dense, with scattered quartz concretions and chert, barely discernable fossil molds	35	399
U. Eocene Ocala Undif. 399	Dolomite: pale tan to dark brown, hard, dense, abundantly fossiliferous, locally forming a dolomitized foram-rich coquina, locally most fossils are destroyed by dolomitization, calcareous beginning at 450', with dolomite generally decreasing with depth below 450', interval from 650-692' is pure limestone, dolomitic limestone from 692-798', limestone is fossiliferous with foraminiifers (mainly Lepidocyclina, sp.), mollusk molds, algae and bryozoans Gypsum, occurring as abundant selenite in crystallographic continuity from 467-585', and in scattered concentrations from 585-708', occurring as nodular gypsum and selenite filling veins and fractures from 708-774' Lepidocyclina sp. throughout interval Asterocyclina sp. at 671', 685-690', 698' Nummulites sp. at 595'-796' Spondylus sp. at 710-715', 743-746'	397	796
M. Eocene Undif. 796	Limestone: soft and chalky to granular, bedded, sparsely to moderately fossiliferous, dolomitic at 800-805', Gypsum, nodular, at 800-801', 804-814'	60	856

T.D. 856

WELL NO: GGS 393 ALTITUDE: 193 ft.
WELL NAME: J. F. Darley TOTAL DEPTH: 577 ft.
COUNTY: Bulloch DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Miocene Undif. 0	Sand: tan to red, fine- to coarse-grained, argillaceous, feldspathic	5	5
		Sand: as above, and Clay; gray, sandy	10	15
		Sand and Clay: interbedded, sand is fine- to coarse-grained, angular, slightly feldspathic, clay is pale green to light purple, very sandy	68	83
		No samples	47	130
		Same as 15-83'	88	218
Miocene Hawthorne Undif. 218		Sand: fine- to coarse-grained, angular, feldspathic, with abundant phosphate grains	31	249
		Sand: as above, and Clay; light purple, sandy	21	270
		No samples	30	300
		Clay: gray, phosphatic, sandy	15	315
		Sand: fine- to coarse-grained, phosphatic, and Clay; dark green, sandy, and Limestone; dense, sandy, with macroshells	65	380
		Clay: gray, phosphatic, very sandy	33	413
		Sand: fine- to medium-grained, phosphatic, and Limestone; white, sandy, and Dolomite; light brown, massive, sandy, phosphatic	62	475
Oligocene Undif. 475	Oligocene Suwannee 475	Limestone: cream-colored, soft, nodular, fossiliferous, and Sand; as above *Pararotalia byramensis* at 475-495'	20	495
		Sand: fine- to medium-grained, phosphatic, and Limestone; as above *Asterigerina subacuta*, *Pararotalia bryamensis* at 536-557' *Sphaerogypsina globula*, reworked *Lepidocyclina antillea* (?), *Lepidocyclina polylepidina*, *Nummulites* sp. at 557-577'	82	577
T.D. 577	T.D. 577			

WELL NO: GGS 439

WELL NAME: James Washington (New Hope School)

COUNTY: Bulloch

ALTITUDE: 241 ft.

TOTAL DEPTH: 560 ft.

DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Miocene Undif.	No samples	5	5
In Miocene Altamaha(?) 5	0	Clay: mottled, very sandy, limonitic	25	30
		No samples	15	45
In Miocene Hawthorne Undif. 45		Clay: pale green, becoming dark brownish-green at depth, sandy, blocky, with some interbedded Sand; fine-to coarse-grained, subangular grains, arkosic	120	165
		Interbedded Clay and Sand: as above, but phosphatic	90	255
		Lithology as above, with some interbedded, scattered, relatively thin tongues of Limestone; gray to cream to light brown, much calcitized and saccharoidal, sandy, sparsely phosphatic	215	470
Oligocene Suwannee 470		No samples	5	475
	In Oligocene Suwannee 475	Limestone: cream, nodular, much calcitized and saccharoidal, fossiliferous, with molluscan shells, bryozoan remains, and foraminifers Pararotalia mexicana var., Lepidocyclina undosa, Sphaerogypsina globula at 475 - 480'	85	560
T.D. 560	T.D. 560			

WELL NO: GGS 576 ALTITUDE: 252 ft.
WELL NAME: Wm. Smith #1 TOTAL DEPTH: 450 ft.
COUNTY: Bulloch DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	187	187
In Miocene Hawthorne Undif. 187	In Miocene Undif. 187	Clay: dark brownish-green, sandy, fossiliferous, with molluscan shells at depth, and some interbedded Sand; fine-to coarse-grained, subangular to sub-rounded grains		
		Molluscan shells at 330 - 351'	164	351
Oligocene Suwannee 351	Oligocene Suwannee 351	Limestone: gray, becoming light brown at depth, nodular, saccharoidal, fossiliferous, with some foraminifers		
		Pyrgo sp. at 369 - 390'	99	450
T.D 450	T.D. 450			

WELL NO: GGS 580 ALTITUDE: 228 ft.
WELL NAME: City of Statesboro #3 TOTAL DEPTH: 512 ft.
COUNTY: Bulloch DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: grayish-orange, fine- to coarse-grained, subangular to rounded, and Clay; soft, very sandy	20	20
Miocene Altamaha/ Hawthorne Undif. 20	Sand: yellowish- to pinkish-gray, fine- to coarse-grained, micaceous, lignitic, and Clay; soft, sandy in part, phosphate grains (rare) at depth	45	65
Miocene Hawthorne Undif. 65	Clay: yellowish-gray, soft to indurated, sandy in part, and Sand; fine- to coarse-grained, with rare pebbles, subangular to rounded, with abundant phosphate grains, sparse mica	145	210

	Clay: light olive-gray, soft to moderately indurated, calcareous, and Limestone; soft, micritic, sandy, with macroshell fragments, algal nodules, phosphate grains common, mica rare	153	363
Oligocene Undif. 363	No samples	9	372
	Limestone: light greenish-gray, moderately indurated, with macroshell fragments, and Clay; calcareous, sandy, and Sand; fine- to medium-grained, with rare phosphate grains *Pararotalia mexicana* at 372-382'	60	432
	Limestone: very light gray, micritic, sandy (partially recrystallized) with macroshell fragments, and Sand; fine- to coarse-grained, subangular to rounded, with rare magnetite	30	462
	Limestone: yellowish-gray, soft, porous, micritic, with macroshell fragments, partially recrystallized, and Sand; fine-grained, subangular *Lepidocyclina* sp., *Sphaerogypsina* sp., *Dictyoconus* sp., *Amphistegina* sp., *Cibicides* sp., *Elphidium* sp. at 472-492'	30	492
U. Eocene Ocala Undif. 492	Limestone: yellowish-gray, soft, recrystallized variously microcrystalline, saccharoidal, and bioclastic, with macroshell fragments, foraminifers *Lepidocyclina ocalana*, *Nummulites* sp.	20	512

T.D. 512

WELL NO: GGS 586 ALTITUDE: 230 ft.
WELL NAME: Henry Blitch #1 TOTAL DEPTH: 410 ft.
COUNTY: Bulloch DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Clay: yellowish-gray, soft to indurated, sandy, and Sand; fine- to coarse-grained, subangular to subrounded, with mica, 5Y7/2 - 5Y8/1	124	124
Miocene Altamaha(?) 124	Sand: light greenish-gray to very pale orange, fine- to very coarse-grained, angular to subrounded, sparsely feldspathic, and Clay; sticky, sandy, rarely micaceous, 5GY8/1	81	205

Miocene Hawthorne Undif. 204	Sand: light greenish-gray, fine- to very coarse-grained, pebbly, angular to subrounded, feldspathic, sparsely micaceous, and Clay; indurated, sandy, and Limestone; soft, sandy, micritic, with rare bivalve fragments and abundant phosphate grains, 5GY8/1 ----------	40	245
	Limestone: yellowish-gray to light greenish-gray, as above, but with greatly increased bivalve fragments, and Sand; fine- to coarse-grained, angular to sub-rounded, feldspathic, with abundant phosphate grains, 5Y7/2 - 5GY8/1 ----------	113	358
	Limestone: very light gray, dense, micritic, sandy, with bivalve fragments, worm tubes, and bryozoans, N8 ----------	2	360
Oligocene Undif. 360	Limestone: white, dense, massive, very finely recrystallized, with algal nodules, rare bivalve fragments and worm tubes, N9 Pyrgo sp. at 360-370' Lepidocyclina sp. 370-390' ----------	50	410

T.D. 410

WELL NO: GGS 666 ALTITUDE: 222 ft.
WELL NAME: Bulloch Co. Grower's Assoc. TOTAL DEPTH: 670 ft.
COUNTY: Bulloch DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined ----------	300	300
In Miocene Hawthorne Undif. 300	In Miocene Undif. 300	Sand: coarse-grained, subangular to subrounded grains, phosphatic, fossiliferous, with molluscan shells ----	30	330
Oligocene-Eocene Undif. 330	Oligocene-Eocene(?) Undif. 330	Limestone: cream, rather soft and chalky, fossiliferous at certain levels, with foraminifers Lepidocyclina sp., Sphaerogypsina globula at 360 - 380' ----------	250	580
		Not examined ----------	90	670
T.D. 670	T.D. 670			

WELL NO: GGS 929 ALTITUDE: 242 ft.
WELL NAME: Frank Dickerson #1 TOTAL DEPTH: 360 ft.
COUNTY: Bulloch DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	142	142
In Miocene Hawthorne Undif. 142	In Miocene Undif. 142	Sand: fine-grained, subangular to subrounded grains	21	163
		Clay: pale to dark brownish-green, sandy, with some interbedded Limestone; cream, saccharoidal, sandy	20	183
		Interbedded Clay, Sand, and Limestone: as above	103	286
Oligocene Suwannee 286	Oligocene Suwannee 286	Limestone: gray to cream, nodular, saccharoidal, fossiliferous, with foraminifers Dictyoconus sp. at 286 - 304'	18	304
		Not examined	56	360
T.D. 360	T.D. 360			

WELL NO: GGS 1044 ALTITUDE: 190 ft.
WELL NAME: City of Statesboro #5 TOTAL DEPTH: 1526 ft.
COUNTY: Bulloch DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Interbedded Clay and Sand	207	207
		Lithology as above, with phosphatic molluscan shells common to abundant at 298-320'	127	334
Oligocene Undif. 334	Oligocene Suwannee 334	Limestone: cream to light-brown, nodular, saccharoidal, fossiliferous, with molluscan shells, bryozoan remains and foraminifers Lepidocyclina sp., Pararotalia mexicana var. at 320-342'	76	410

U. Eocene Undif. 410	U. Eocene Undif. 410	Marl: white to cream, somewhat indurated, fossiliferous, with bryozoan remains and foraminifers, with some interbedded Limestone; white, chalky, argillaceous, fossiliferous, bryozoan remains and foraminifers *Eponides mariannensis* at 423-446' *Lepidocyclina mantelli*(?) at 446-478' ----------	68	478
		Limestone: gray, rather dense, saccharoidal, very sandy, fossiliferous, with fragments, molds, and impressions of molluscan shells, with interbedded Sand (at depth); fine- to medium-grained, subangular to subrounded grains *Nummulites floridensis*(?) and *Lepidocyclina* sp. at 478-502' ----------	46	524
M. Eocene* Undif. 580	M. Eocene Undif. 524	Marl: gray, silty, phosphatic, finely glauconitic, fossiliferous, with foraminifers *Nonion advenum* and *N. inexcavatus* at 524-547' -------	86	610
		Limestone: gray, dense, saccharoidal, very sandy, coarsely but sparsely glauconitic, fossiliferous, with fragments, molds, and impressions of molluscan shells ----------	112	722
		Dolomitic Rock: dark brown to gray, saccharoidal, glauconitic ----------	96	818
		Marl: pale green, silty, abundantly glauconitic at depth, fossiliferous, with foraminifers, and interbedded Limestone (or indurated sand?); fine- to medium-grained, glauconitic *Cibicides westi* at 818-841' ----------	160	978
		Limestone: gray to cream to light brown, saccharoidal, sandy, phosphatic, glauconitic, cherty (at certain levels), fossiliferous, with molluscan shells, and interbedded Marl; as above *Cibicides blanpiedi* at 1008-1038' *Lenticulina* sp., *Nonion inexcavatus*, *Gyroidina soldanii* var., *Anomalina bilateralis*, and sparse fish teeth at 1038-1069' ----------	91	1069
		Sand: fine- to medium-grained, subangular to subrounded grains ----------	62	1131
L. Eocene/ Paleocene Undif. 1131	L. Eocene Undif. 1131	Clay: dark brown, blocky, silty, somewhat lignitic, micaceous ----------	60	1191
		Limestone: gray, saccharoidal, sparsely glauconitic, very sandy at depth, fossiliferous, with molluscan shells, ostracods, and foraminifers *Eponides elevatus*, *Pulsiphonina prima*, *Alabamina wilcoxensis*, *Cibicides howelli* at 1191 - 1222' ----------	53	1244
	In Upper Cretaceous Undif. 1244	Sand: coarse-grained, subangular to subrounded grains, phosphatic, coarsely micaceous, with sparse grains of rose quartz, and some interbedded Clay; bluish-gray, becoming pale green at depth, somewhat laminated, finely micaceous, sandy ----------	282	1526
T.D. 1526	T.D. 1526			

*Contact based on geophysical data

WELL NO: GGS 1707 ALTITUDE: 187 ft.
WELL NAME: Dr. John Boole #1 TOTAL DEPTH: 520 ft.
COUNTY: Bulloch DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	210	210
In Miocene Hawthorne Undif. 210	In Miocene Undif. 210	Sand: fine-to coarse-grained, subangular to subrounded grains, phosphatic, with interbedded Clay; dark brownish-green, sandy, fossiliferous at certain levels, with molluscan shells	240	450
Oligocene Suwannee 450	Oligocene Suwannee 450	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var. at 450 - 460'	70	520
T.D. 520	T.D. 520			

WELL NO: GGS 1709 ALTITUDE: 215 ft.
WELL NAME: Creasy Bros. #1 TOTAL DEPTH: 480 ft.
COUNTY: Bulloch DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	240	240
In Miocene Hawthorne Undif. 240	In Miocene Undif. 240	Clay: dark brownish-green, sandy, fossiliferous at certain levels, with molluscan shells, and some interbedded Sand; fine- to coarse-grained, subangular to subrounded grains	190	430
Oligocene Suwannee 430	Oligocene Suwannee 430	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Miliolids at 430 - 440' Pararotalia mexicana var. at 450 - 460'	30	460
		No samples	20	480
T.D. 480	T.D. 480			

WELL NO: GGS 3210 ALTITUDE: 200 ft.
WELL NAME: City of Statesboro #6 TOTAL DEPTH: 1461 ft.
COUNTY: Bulloch DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha? 0	Sand: very light brown, poorly sorted, but predominantly medium-grained, with muscovite, and Clay; red, 5YR7/6	18	18
	Sand: very pale orange, poorly sorted, but predominantly medium-grained, feldspathic, argillaceous, with minor amounts of heavy minerals, 10YR8/2	37	55
	No samples	33	88
	Sand: as in 18-55'	4	92
Miocene Hawthorne Undif. 92	Clay and Sand: yellowish-gray to light olive-gray, sand is poorly sorted, indurated, with a cherty matrix, clay is olive-gray, sandy, some is flecked with pyrite and manganese, 5Y7/2-5Y8/1 to 5Y6/1 Feldspar present at 102-124' Chert present at 126-177'	85	177
	Clay and Sand: light olive-gray to yellowish-gray, clay is very sandy, very phosphatic, sand is poorly sorted, but predominantly medium-grained, very argillaceous, with abundant phosphate grains, increasing at depth to approximately 12% of sample, 5Y6/1 to 5Y7/1	43	220
	No samples	20	240
	Clay and Sand: very light olive-gray to greenish-gray, clay is very sandy, with muscovite, biotite, manganese, and phosphate grains, sand is poorly sorted, but predominantly medium-grained, very argillaceous, with abundant phosphate grains, heavy minerals, and rare nacreous macroshell fragments, 5GY6/1 to 5Y6/1	53	293
	Limestone: light gray, varies from sucrosic to fine-grained with vugs, fossiliferous, with molds and fragments of pelecypods and gastropods, bryozoan fragments, and algal nodules, and Sand; medium-grained, present in small amounts, N7	9	302
Oligocene/ U. Eocene Undif. 302	Limestone: very light gray, fine-grained to finely granular, fossiliferous, with molds and fragments of pelecypods and gastropods, bryozoan fragments, algal nodules, and foraminifers, N8 <u>Lepidocyclina</u> sp. and <u>Sphaerogypsina globula</u> at 302 - 338'	36	338
	Limestone: white, fine-grained to nodular, fossiliferous, with molds and fragments of pelecypods and gastropods, bryozoan fragments, algal nodules, and foraminifers, N9 <u>Lepidocyclina</u> sp., <u>Lenticulina</u> sp., <u>Sphaerogypsina globula</u> at 338 - 433'	95	433

	No samples	27	460
U. Eocene* Undif. 448	Limestone: yellowish-gray, variously sandy and saccharoidal, fossiliferous with gastropods, pelecypods, and Lepidocyclina, 5Y8/1	65	525
	Limestone: yellowish-gray, argillaceous, sandy, fossiliferous, with smaller foraminifers, rarely micaceous, with phosphate grains, 5Y7/1	31	556
	Clay: greenish-gray, calcareous and sandy, with phosphate grains, rare muscovite, 5GY7/1	32	588
M. Eocene* Claiborne Undif. 588	Limestone: yellowish-gray, variously sandy and glauconitic, to sucrosic and pyritic, fossiliferous, with recrystallized pelecypods, gastropods, and foraminifers, 5Y8/1	50	638
	Limestone: very light gray, sandy, glauconitic, fossiliferous, with pelecypod fragments and rare glauconite-replaced foraminifers, and Sand; coarse-grained, N8	31	669
	No samples	41	710
	Sand: yellowish-gray, fine-grained, with heavy minerals and phosphate grains, and Limestone; sandy, glauconitic, 5Y8/1	21	731
	Limestone: very light gray, sandy, glauconitic, fossiliferous, with pelecypods, gastropods, and glauconite replaced foraminifers, N8	31	762
	Limestone: very light gray, somewhat sandy, glauconitic, rarely pyritic, fossiliferous, with gastropods and echinoids, and rare phosphate grains N8	13	775
	Dolomite: greenish-gray, saccharoidal, glauconitic, rarely pyritic, rarely sandy, with phosphate grains, 5GY5/1	43	818
	Limestone: yellowish-gray, coquina, composed of pelecypod and echinoid fragments, with glauconite, quartz sand, and muscovite, 5Y8/1	109	927
	Limestone: very light olive-gray, argillaceous, glauconitic, fossiliferous, with pelecypod and echinoid fragments, rare fish teeth, 7Y7/1	31	958
	No samples	126	1084
	Clay: olive-gray, and Sand; white, indurated, with muscovite and phosphate grains, 5Y4/1	21	1105
	No samples	41	1146
	Clay: olive-gray, sandy, with quartz pebbles, phosphate grains, muscovite, and glauconite, fossiliferous, with molds and fragments of pelecypods and gastropods, 5Y4/1	22	1168
	Clay: greenish-gray, calcareous, sandy, and Limestone; sandy, glauconitic, fossiliferous, with pelecypod and echinoid fragments, 5GY5/1	57	1225
L. Eocene/ Paleocene	Sand: light gray, calcareous, micaceous, and Clay; light gray, calcareous, N7	9	1234
Wilcox* Undif. 1225	No samples	4	1238
	Limestone: medium light gray, with quartz pebbles, phosphate grains and Clay; gray, calcareous, N6	23	1261
	Sand: medium gray to greenish-gray, very coarse-grained, to pebbly, with muscovite, and Clay; gray and buff-colored, calcareous, N5 to 5GY5/1	200	1461

T.D. 1461

*Contact based on geophysical data

WELL NO: GGS 3520 ALTITUDE: 198 ft.
WELL NAME: GGS Bulloch Co. North TOTAL DEPTH: 860 ft.
COUNTY: Bulloch DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Undif. 0	Sand: light brown to yellowish-gray, fine- to coarse-grained, clayey, silty, lignitic, 5YR6/4 to 5Y8/1	110	110
	Sand: yellowish-gray to light olive gray, fine- to medium-grained, poorly sorted, cherty, lignitic, with quartz pebbles, 5Y8/1 to 5Y6/1	70	180
	Sand: yellowish-gray to light gray, fine- to coarse-grained, poorly sorted, calcareous, phosphatic, 5Y8/1 to N7	70	250
	Sand: light gray, fine- to coarse-grained, phosphatic, with macrofossil fragments, Limestone; fine-grained, crystalline, very phosphatic, with macrofossils, N7	20	270
Oligocene Undif. 270	Limestone: yellowish-gray, bioclastic to granular, phosphatic, with bryozoa, algae, 5Y8/1	80	350
	Limestone: yellowish-gray, granular to micritic, with chert, bryozoa, Lepidocyclina sp., algae, 5Y8/1	65	415
Upper Eocene Undif. 415	Limestone: yellowish-gray, bioclastic to crystalline, Lepidocyclina sp., bryozoa, algae, 5Y8/1	15	430
	Limestone: yellowish-gray, crystalline to granular, sandy to very sandy, with bryozoa, Sand; fine-grained, poorly sorted, very angular, calcareous, 5Y8/1	130	560
Middle Eocene Claiborne Undif. 560	Limestone: light gray, granular to fine-grained, sandy, glauconitic, N7 Asterocyclina sp. and Lepidocyclina antillia at 730 to 740	200	760
	Dolomite: light olive gray, crystalline, sandy, glauconitic, 5Y6/1	25	785
	Limestone: very light gray to white, fine-grained, sandy, phosphatic, glauconitic, with abundant oyster shell fragments, Dolomite; sandy, phosphatic, 5Y6/1 to N9	75	860

T.D. 860

WELL NO: GGS 3522 ALTITUDE: 118 ft.
WELL NAME: GGS Bulloch Co. South TOTAL DEPTH: 805 ft.
COUNTY: Bulloch DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Sand and Clay: very pale orange, sand is fine- to coarse-grained, iron stained, with muscovite and heavy minerals, clay is white to gray, and iron stained, 10YR8/2	45	45
	Sand: light olive-gray, poorly sorted, but predominantly coarse-grained, feldspathic, with muscovite, and Clay; dark gray, and Chert; rare, 5Y6/1	15	60
	Sand: light olive-gray to yellowish-gray, poorly sorted, but predominantly coarse-grained, some pebble-sized grains, with pyrite, muscovite, and heavy minerals Phosphate grains (rare) at 70-75'	55	115
	Sand: as above, but calcareous in part, with phosphate grains, pelecypod fragments, and fish teeth, 5Y7/1	50	165
	Clay: yellowish-gray to greenish-gray, calcareous, sandy, with phosphate grains, muscovite, pyrite, and feldspar, 5Y7/1 to 5GY6/1	120	285
	Clay: greenish-gray, calcareous, sandy, micaceous, and Dolomite; white, euhedral dolomite rhombs in calcite matrix, and phosphate grains, rare feldspar, and pyrite, pelecypod fragments and bryozoan remains, 5GY6/1	25	310
	Sand: light olive-gray, poorly sorted, but predominantly coarse-grained, with feldspar, phosphate grains, muscovite, and pelecypods, gastropods, and fish teeth, 5Y8/1	105	415
Oligocene Suwannee 415	Sand: yellowish-gray, as above, but less feldspathic, 5Y8/1 *Pararotalia mexicana*, *Lepidocyclina* sp. at 415-425'	10	425
	Limestone: yellowish-gray, nodular to recrystallized, with calcite vugs, 5Y8/1 *Dictyoconus* sp., *Sphaerogypsina globula*, *Textularia* sp., miliolids, and ostracods at 425-450'	25	450
U. Eocene Ocala Undif. 450	Limestone: very pale orange, nodular, algal, 10YR8/2 *Nummulites floridensis*, *Asterocyclina* sp. *Pseudophragmina* sp.(?), *Cibicides* cf. *truncatus*, *Sphaerogypsina* sp., *Discorbis* sp. at 450-550'	100	550

		Limestone: light yellowish-gray to very light gray, massive, micritic, to chalky, rare nodular limestone, fossiliferous, with bryozoans, echinoids, rare ostracods, and foraminifers, 5Y8/2 to N8 Siphonina sp., Melonis sp. at 565-570' Algal nodules at 640-645'	95	645
		Limestone: very light gray, nodular to granular, rare sandy limestone, fossiliferous, with echinoids, macroshell fragments, and foraminifers, as above, N8	45	690
		Limestone: very light gray, chalky, sparsely fossiliferous, with foraminifers, as above, N8	20	710
		Limestone: very light gray, chalky to granular, sparsely fossiliferous, with pecten fragments, gastropods, and foraminifers, as above, N8	60	770
M. Eocene Claiborne Undif. 770		Dolomite: very light olive-gray, somewhat saccharoidal, 5Y7/1	35	805
T.D. 805				

WELL NO: GGS 575 ALTITUDE: 218 ft.
WELL NAME: Georgia Forestry Commission TOTAL DEPTH: 533 ft.
COUNTY: Candler DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	250	250
In Miocene Hawthorne Undif. 250	In Miocene Undif. 250	Sand: coarse-grained, subangular to subrounded grains, fossiliferous, with molluscan shells, with interbedded Clay; pale green, sandy, phosphatic Molluscan shells common at 375 - 385'	135	385
		No Samples	8	393
		Limestone: gray to cream, saccharoidal, sandy, phosphatic	20	413
Oligocene Undif. 413	Oligocene Suwannee 413	Limestone: cream, nodular, saccharoidal, fossiliferous, with bryozoan remains and some foraminifers Asterigerina subacuta, Pararotalia mexicana var. at 413 - 433'	120	533
T.D. 533	T.D. 533			

WELL NO: GGS 591 ALTITUDE: 215 ft.
WELL NAME: Perry Rountree #1 TOTAL DEPTH: 450 ft.
COUNTY: Candler DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Miocene Undif. 0	Clay: mottled, becoming dark brownish-green at depth, blocky, sandy, with some interbedded Sand; fine- to coarse-grained. subangular to subrounded grains, phosphatic at depth	123	123
Miocene Hawthorne Undif. 123		Lithology as above: with interbedded Limestone; cream to light brown, saccharoidal, fossiliferous Molluscan shells at 184 - 204'	184	307
		Limestone: gray, very sandy, phosphatic, fossiliferous, with common to abundant molluscan shells and occasional foraminifers <u>Amphistegina</u> sp. at 307 - 327'	20	327
Oligocene Undif. 327	Oligocene Suwannee 327	Limestone: cream to light brown, saccharoidal, fossiliferous, with echinoid and bryozoan remains, ostracods, and foraminifers <u>Nummulites panamensis</u>, <u>Lepidocyclina undosa</u> at 327 - 348'	123	450
T.D. 450	T.D. 450			

WELL NO: GGS 592 ALTITUDE: 249 ft.
WELL NAME: Emerson Jones #1 TOTAL DEPTH: 450 ft.
COUNTY: Candler DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Miocene Undif. 0	Clay: mottled, blocky, sandy, limonitic	22	22
Miocene Hawthorne Undif. 22		Clay: pale green, blocky, sandy, micaceous,with some interbedded Sand; fine- to coarse-grained, subangular to subrounded grains	162	184
		Lithology as above: with some interbedded Limestone; cream, saccharoidal, sandy, phosphatic, fossiliferous at certain levels Molluscan shells at 184 - 204'	123	307

		Indurated Sand: gray to light brown, rather dense, fossiliferous, with molluscan shells and some foraminifers Quinqueloculina sp., Elphidium sp., Amphistegina sp. at 307 - 327' ----------	20	327
Oligocene Undif. 327	Oligocene Suwannee 327	Limestone: gray, becoming cream at depth, nodular, saccharoidal, fossiliferous, with molluscan shells, echinoid and bryozoan remains, ostracods, and foraminifers Sphaerogypsina globula at 348 - 368' Lepidocyclina undosa common at 388 - 410' ----------	123	450
T.D. 450	T.D. 450			

WELL NO: GGS 636 ALTITUDE: 278 ft.
WELL NAME: Linwood Rushton TOTAL DEPTH: 389 ft.
COUNTY: Candler DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined ----------	206	206
In Miocene Hawthorne Undif. 206	In Miocene Undif. 206	Limestone: gray, very sandy, fossiliferous, with molluscan shells ----------	21	227
		Sand: fine- to coarse-grained, subangular to subrounded grains ----------	20	247
		Clay: pale green, tough, sandy, with some interbedded Limestone (at depth); cream, sandy ----------	21	268
		Limestone: gray, saccharoidal, sandy, phosphatic --------	61	329
Oligocene Undif. 329	Oligocene Suwannee 329	Limestone: cream, saccharoidal, fossiliferous, with foraminifers Asterigerina subacuta at 329 - 350' Lenticulina arcuato-striata, Asterigerina subacuta, Pararotalia mexicana var. at 350 - 365' Lepidocyclina sp. at 365- 371' ----------	42	371
		No samples ----------	18	389
T.D. 389	T.D. 389			

WELL NO: GGS 740 ALTITUDE: 230 ft.
WELL NAME: W. B. Bazemore #1 TOTAL DEPTH: 431 ft.
COUNTY: Candler DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	204	204
In Miocene Hawthorne Undif. 204	In Miocene Undif. 204	Clay: pale brownish-gray, sandy, with interbedded Sand; fine- to coarse-grained, subangular to subrounded grains, and Limestone; cream, saccharoidal, sandy	123	327
Oligocene Undif. 327	Oligocene Suwannee 327	Limestone: gray, becoming cream at depth, saccharoidal, fossiliferous, with molluscan shells, bryozoan remains, and some foraminifers Argyrotheca sp. at 327 - 347' Miliolids, Pararotalia mexicana var. at 350 -370'	104	431
T.D. 431	T.D. 431			

WELL NO: GGS 963 ALTITUDE: 232 ft.
WELL NAME: Irvin Brannen #1 TOTAL DEPTH: 635 ft.
COUNTY: Candler DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Miocene Undif. 0	Clay: mottled, blocky, sandy	31	31
Miocene Hawthorne Undif. 0		Clay: pale green, becoming dark brownish-green at depth, blocky, sandy, fossiliferous at depth, with molluscan shells Molluscan shells common to abundant at 202 - 212'	181	212
		Clay: as above, with some interbedded Limestone; cream, saccharoidal, sandy	52	264
		Lithology as above: with some interbedded Sand; fine- to coarse-grained, subangular to subrounded grains, phosphatic, fossiliferous, with molluscan shells Elphidium sp., Buccella sp. at 533 - 553'	310	574

Oligocene Undif. 574	Oligocene Suwannee 574	Limestone: gray to cream, nodular, saccharoidal, fossiliferous, with foraminifers Asterigerina sp., Pararotalia mexicana var., Sphaerogypsina globula, Lepidocyclina sp. at 574 - 594' Nummulites panamensis at 594 - 615' ----------	61	635
T.D. 635	T.D. 635			

WELL NO: GGS 1702 ALTITUDE: 268 ft.
WELL NAME: Mrs. M. L. Morris TOTAL DEPTH: 530 ft.
COUNTY: Candler DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Miocene Undif. 0	Clay: mottled, very sandy, limonitic, with some interbedded Sand; fine- to coarse-grained, subangular to subrounded grains, arkosic ----------	40	40
Miocene Hawthorne Undif. 40		Clay: pale to dark brownish-green, sandy, with some interbedded Sand; as above ----------	220	260
		Interbedded Clay and Sand: as above, but phosphatic and fossiliferous at depth, with molluscan shells, and some interbedded Limestone; cream, saccharoidal, sandy		
		Molluscan shells at 270 - 280' ----------	170	430
		Clay: brown, lignitic, sandy, fossiliferous, with molluscan shells ----------	10	440
Oligocene Undif. 440	Oligocene Suwannee 440	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Nummulites panamensis, Pararotalia mexicana var. at 440 - 450' ----------	90	530
T.D. 530	T.D. 530			

WELL NO: GGS 445 ALTITUDE: 165 ft.
WELL NAME: Mrs. Nina McLean TOTAL DEPTH: 1903 ft.
COUNTY: Coffee DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	10	10
In Miocene Undif. 10	Sand: pinkish-gray, fine-grained, well sorted, with ilmenite, 5YR8/1	50	60
	Sand: yellowish-gray to pale olive, medium- to fine-grained, moderately to poorly sorted, clayey, with heavy minerals, with trace of phosphate, Clay; silty, sandy, partially indurated, with trace of calcite, 5Y8/1 to 10Y6/2	90	150
	Limestone: yellowish-gray to light gray, sandy, Sand; fine- to coarse-grained, poorly sorted, phosphatic, with abundant macrofossil fragments, 5Y8/1 to N7	140	290
Oligocene Undif. 290	Limestone: yellowish-gray, bioclastic to recrystallized, with bryozoa and algae, 5Y8/1 *Pararotalia mexicana* (Herrick, 1961) at 300 to 310'	140	430
Upper Eocene Undif. 430	Limestone: yellowish-gray, bioclastic to granular, 5Y8/1 *Nummulites floridensis* at 430-440'	130	560
	Dolomite: pale yellowish-brown to light olive gray, crystalline, Limestone; fine-grained, saccharoidal, dolomitic, 10YR6/2 to 5Y6/1	90	650
	Limestone: yellowish-gray to light olive brown, finely granular to granular, 5Y8/1 to 5Y6/1 *Asterocyclina* sp. at 660-670'	55	705
	Limestone: yellowish-gray, finely granular, dolomitic, with chert and fine-grained glauconite, Sand; fine- to medium-grained, poorly to moderately sorted, 5Y8/1	305	1010
Middle Eocene Claiborne Undif. 1010	Sand: yellowish-gray, fine- to medium-grained, coarsely glauconitic, phosphatic, Limestone; granular to fine-grained, sandy, 5Y8/1	270	1280
	Limestone: medium light gray to light gray, dense, drusy, phosphatic, pyritic, with burrows and oyster fragments, Sand; fine-grained, moderately to poorly sorted, with glauconite, N7 to N6	150	1430

Lower Eocene/ Paleocene Undif. 1430	Sand: medium light gray to light gray, fine-grained, moderately to poorly sorted, pyritic, with phosphate and oyster fragments, Silt; indurated, fissile, clayey, sandy, calcareous, with heavy minerals, Limestone; crystalline, sandy, N7 to N6 ----------	195	1625
Cretaceous Undif. 1625	Sand: light gray, fine-grained, moderately to poorly sorted, pyritic, Silt; clayey, sandy, calcareous, N6 ----------	75	1700
	Described by Herrick (1961) ----------	203	1903

T.D. 1903

WELL NO: GGS 446 ALTITUDE: 270 ft.
WELL NAME: Mrs. Susie Harper TOTAL DEPTH: 1440 ft.
COUNTY: Coffee DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: dark yellowish-orange to yellowish-gray, very fine- to coarse-grained, moderately sorted, clay and silica cemented, with feldspar and heavy minerals, 10YR6/6 to 5Y7/2 ----------	55	55
Miocene Altamaha/ Hawthorne Undif. 55	Sand: very pale orange, very fine-grained to pebble-sized, poorly sorted, iron stained, with rare feldspar, mica, and manganese(?) concretions armored with sand grains, and Clay; buff-colored to yellowish-green, diatomaceous, phosphatic, slightly calcareous, sandy, micaceous, and Chert; tan, rare, 10YR8/2 ----------	45	100
Miocene Hawthorne Undif. 100	Sand: pale olive to yellowish-gray, very fine- to very coarse-grained, poorly sorted, with rare feldspar, muscovite, biotite, phosphate grains, and pyrite, and Clay; as above, 10YR6/2 to 5Y7/1 Glauconite at 100-110' ----------	40	140

	Sand: yellowish-gray to light olive-gray, very fine- to very coarse-grained, poorly to moderately sorted, indurated in part, with clay cement, phosphate grains, traces of muscovite, biotite, and lignite, and Clay; cream-colored, indurated, calcareous, phosphatic, with muscovite and sponge spicules, 5Y8/1 to 5Y6/1 -------	70	210
	Sand: yellowish-gray, very fine- to very coarse-grained, becoming finer-grained at depth, poorly to moderately sorted, with sparse heavy minerals, including tourmaline, and phosphate grains, and Clay; yellowish-gray, indurated, phosphatic, sandy, micaceous, and Limestone; porous, crystalline, with foraminifers, echinoid and pelecypod fragments, and fossil impressions, 5Y8/1 ----------	70	280
	Limestone: light gray, dense, crystalline, argillaceous, dolomitic in part, fossiliferous, with molds and impressions of bivalves, gastropods, and crab claws, bryozoan remains, and fish teeth, and Sand; very fine- to very coarse-grained, poorly sorted, with heavy minerals, pyrite, and phosphate grains, and Clay; as above, N7 to N8 Elphidium cf. leonensis at 340-360' Miogypsina sp. at 375-380' ----------	215	495
Oligocene Undif. 495	Limestone: very light gray to very light olive-gray, granular, calcarenitic, to dense, crystalline, abundantly fossiliferous, with foraminifers, and Sand; fine- to medium-grained, moderately to well sorted, angular grains, with phosphate grains, pyrite, and sparse heavy minerals, N8 to 5Y7/1 Sphaerogypsina sp. at 500-505' Algal remains at 610-790' Globorotalia increbescens at 870-880' Uvigerina sp. at 900-910' Dictyoconus sp. at 915-920' Lepidocyclina sp., Asterigerina sp., Discorbis sp., Reusella sp., Pararotalia mexicana, Cibicides sp., Globigerina eoceana, Elphidium sp., and Pararotalia mexicana at 925-930' ----------	440	935
U. Eocene Undif. 935	Limestone: yellowish-gray to very light olive-gray, porous and granular, to dense, slightly dolomitic, and argillaceous, sparsely glauconitic (glauconite is present in both granular and disseminated forms) with pyrite, and Sand; very fine- to medium-grained, moderately sorted, 5Y7/1 to 5Y8/1 Nummulites sp., Baggina sp. 935-940' Lepidocyclina ocalana, Amphistegina sp. at 940-950' Asterocyclina sp. at 955-960' Pyrgo sp., Nummulites floridensis, and Eponides sp. at 960-970' Lenticulina sp. at 980-990' Bulimina sp. at 1000-1010' Siphonina sp. and Uvigerina vicksburgensis at 1020-1030' ----------	205	1140

M. Eocene Claiborne Undif. 1140	Sand: very light olive-gray to light greenish-gray, very fine- to very coarse-grained, moderately sorted, coarser grains are rounded and polished, clear, rose, and amethyst quartz, with granular glauconite (up to 25% of sample) and pyrite, and Limestone; cream-colored, crystalline to dolomitic, fossiliferous, with foraminifers, 5Y7/1 to 5GY8/1 Nodosaria sp. at 1175-1180' Cibicides sp. and planktonic foraminifers at 1190-1195' Bolivina sp. at 1215-1220' Guttulina sp. at 1215-1300' Cassidulina sp. and Lituonella(?) sp. at 1305-1310' ----------	220	1360
	Sand: greenish-gray, very fine- to coarse-grained, larger grains are rounded and polished, with granular pyrite and glauconite, trace of fine-grained heavy minerals, and Limestone; greenish-gray, dense, slightly dolomitic, fossiliferous, with foraminifers, 5GY6/1 to 5GY7/1 Ramulina sp. at 1370-1375' ----------	80	1440

T.D. 1440

WELL NO: GGS 468 ALTITUDE: 312 ft.
WELL NAME: C. T. Thurman #1 TOTAL DEPTH: 4130 ft.
COUNTY: Coffee DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: moderate orange pink to moderate brown, very fine- to very coarse-grained, iron stained, some frosted grains, with heavy minerals and iron cemented aggregates, and Clay; calcareous, indurated, silty, with rare lignite, 5YR8/4 to 5YR4/4 ----------	50	50
	Sand: light yellowish-gray, very fine- to very coarse-grained, poorly sorted, with feldspar, heavy minerals, Clay; gray, indurated, calcareous, silty to sandy, silicified in part, and Dolomite; white, sucrosic, rare, 5Y8/1 to 5Y7/1 ----------	50	100
	Sand: light brown, very fine- to very coarse-grained, poorly sorted, indurated in part, with calcareous and siliceous cements, and rare glauconite and pyrite, 10YR5/4 ----------	10	110
	Silt: light brown, indurated, with calcareous cement, and Sand; poorly sorted, indurated in part, with calcareous cement, and traces of feldspar, biotite, and magnetite, 10YR6/4 ----------	20	130

Miocene Hawthorne Undif. 130	Clay: very pale orange to moderate yellow/light olive, indurated, with calcareous cement, fossiliferous, with sponge spicules and diatoms, very rare glauconite, and heavy minerals, 10YR8/2 to 5Y6/6 ----------	20	150
	Clay: light yellowish-gray, indurated, slightly to extremely phosphatic, slightly sandy and micaceous, fossiliferous, with spicules and rare foraminifers, 5Y8/2 ----------	40	190
	Clay: yellowish-gray to dusky yellow, indurated, very sandy, micaceous, and interbedded Sand; very fine- to medium-grained, with heavy minerals, and Chert; olive and tan speckled, 5Y7/2 to 5Y7/1 ----------	30	220
	Clay: yellowish-gray to greenish-gray, indurated, phosphatic, sandy, and Sand; very fine- to very coarse-grained, with sparse heavy minerals, and pyrite, and Chert; olive-gray, 5Y8/1 to 5GY7/1 ----------	180	400
	Sand: as above, and Limestone; light bluish-gray, with oyster shell fragments, and Silt; indurated, calcareous, argillaceous, 5Y8/1 to 5B7/1 ----------	50	450
Oligocene* Undif. 530	Limestone: yellowish-gray to very pale orange, variously micritic, crystalline and dolomitic, silty, with phosphate grains, fossiliferous, with fragments of bryozoans, bivalves, and gastropods, crab claws, and foraminifers, 5Y7/1 to 10YR8/2 Sorites sp. at 450-460' Miliolids, Miogypsina sp. at 460 470' Elphidium sp. at 520 - 530' ----------	150	600
	Dolomite: light olive-gray, very porous, sucrosic, 5Y6/1 ----------	10	610
	Limestone: very light olive-gray, slightly argillaceous and sandy, fossiliferous, with echinoid fragments, dolomitic in part, 5Y7/1 Asterigerina sp., Pararotalia mexicana at 610 - 620' ----------	20	630
	Limestone: yellowish-gray, porous, dolomitic, fossiliferous, with fragments of echinoids, bivalves, and bryozoans, and foraminifers, 5Y7/2 Sphaerogypsina sp., Nummulites Panamensis at 640 - 650' ----------	20	650
	Limestone: yellowish-gray, porous, argillaceous, sandy, fossiliferous, with echinoid, bryozoan, and algal(?) remains, and foraminifers, 5Y7/2 Eponides sp. at 670 - 680' ----------	30	680
	Limestone: as above, and Dolomite; brown, saccharoidal, and Sand; fine- to medium-grained, 5Y6/1 Chert at 690 - 700' Lepidocyclina sp. at 700 - 710' ----------	30	710
	Limestone: yellowish-gray, finely sandy, very fossiliferous, (sample is 70% Nummulites sp.) with traces of clay and dolomite, 5Y8/1 ----------	10	720
	No samples ----------	10	730

	Limestone: light yellowish-gray, porous, sandy, fossiliferous, with echinoid fragments and tiny bivalves, and foraminifers, and Siltstone; olive-green, sandy, with rare glauconite, 5Y8/2 *Nodosaria* sp. at 750 - 760' ----------	30	760
	No samples ----------	10	770
	Lithology as in 730 - 760' ----------	10	780
	Sand: yellowish-gray, very fine- to very coarse-grained, poorly to moderately sorted, with sparse heavy minerals, and Limestone; sandy, argillaceous, and Clay; indurated, phosphatic, sandy, 5Y7/2 ----------	30	810
	Clay: very light olive-gray, indurated, phosphatic, calcareous, sandy, and Sand; as above, 5Y7/1 ----------	10	820
	Limestone: light olive-gray, dolomitic, slightly phosphatic, sandy, and Clay; white, indurated, with calcareous and siliceous cements, phosphatic, micaceous, and Dolomite; olive-brown, saccharoidal, and Sand; as above, 5Y7/1 *Lenticulina* sp. at 830-840' Chert at 850 - 860' ----------	40	860
	Limestone: very light olive-gray, dolomitic, fossiliferous, with fragments of pelecypods, bryozoans, and echinoids, small bivalves, and foraminifers, and Sand; medium- to coarse-grained, poorly sorted, and Dolomite; golden brown, saccharoidal, and Chert; olive-gray to tan, at certain levels, 5Y7/1 ----------	70	930
	Limestone: very light olive-gray, porous, coquinoid, phosphatic, argillaceous, with fragments of bryozoans, echinoids, and gastropods, tiny bivalves, and foraminifers, and rare glauconite and pyrite, 5Y7/1 *Globigerina eocaena* at 930 - 940' *Nodosaria* sp., *Lepidocyclina* sp. *Eponides* sp. at 940 - 950' ----------	70	1000
U. Eocene/ M. Eocene Undif. 1000	Limestone: as above, and Dolomite; golden-brown, saccharoidal, and Sand; fine- to medium-grained, poorly sorted, 5Y7/1 Chert present at 1010 - 1020', 1060 - 1080' *Globulina* sp., bryozoan remains at 1060 - 1070' ------	90	1090
	Limestone: light yellowish-gray, dense to porous, coquinoid texture, variously dolomitic and argillaceous, sparsely glauconitic and pyritic, fossiliferous, with fish teeth, sponge spicules, fragments of echinoids and bryozoans, algal remains, and foraminifers, and Sand: fine- to medium-grained, and Dolomite; golden brown, saccharoidal, 5Y8/2 *Elphidium* sp. at 1090 - 1100' *Lepidocyclina* sp., *Lenticulina* sp. at 1120 - 1130' *Helicostegina* sp. at 1130 - 1140' *Nummulites floridensis*, *Nodosaria* sp. at 1200 - 1210' ----------	160	1250

	Sand: greenish-gray to yellowish-gray, medium-grained, poorly to moderately sorted, with heavy minerals, and Limestone and Dolomite; as above, with glauconite, 5GY6/1 to 5Y8/1 Eponides sp., Nummulites sp., Lenticulina sp., and Lepidocyclina sp. at 1260 - 1270' Helicostegina sp. at 1290 - 1300'	70	1320
	No samples	30	1350
	Sand: same as 1250 - 1320' above, and Clay; yellowish-white, siliceous, indurated, very slightly calcareous, glauconitic, and Chert; light brown, 5GY6/1 to 5Y8/1	140	1490
	No samples	10	1500
	Siltstone: greenish-gray to light greenish-gray, with calcareous and siliceous cements, sandy, glauconitic, and Clay; pale yellow, indurated, variously siliceous and dolomitic, and small amounts of glauconite, and pyrite, 5GY6/1 to 5G7/1 Radiolarians at 1510 - 1520' Bivalve shells at 1580 - 1590'	90	1590
L/Eocene/ Paleocene* Undif. 1630	No samples	250	1840
Cretaceous* Undif. 1820	Sand: very light gray, coarse- to very coarse-grained, moderately sorted, with clear, rose, and gray quartz grains, sparse heavy minerals, rare muscovite, 5YR8/2	10	1850
	No samples	530	2380
	Sand: pale orange pink, coarse- to very coarse-grained, moderately sorted, with clear, rose, and gray quartz grains, few heavy minerals, muscovite, and pyrite, 5YR8/2	10	2390
	No samples	1100	3490
	Sand: same as 2380 - 2390' above, with small amounts of Limestone and Siltstone (caved?) 5YR8/2	10	3500
	No samples	40	3540
	Sand: as in 3490 - 3500'	10	3550
	No samples	530	4080
	Sand: dark yellowish-orange, coarse- to very coarse-grained, poorly sorted, iron stained, micaceous, and Siltstone; gray, glauconitic, dolomitic, and lignitic, 10YR6/6	10	4090
	Sand: as above, with very weathered granite fragments, and Siltstone; red, micaceous, 10YR7/4	20	4110
	No samples	20	4130
T.D. 4130			

*Contact based on geophysical data

WELL NO: GGS 508 ALTITUDE: 265 ft.
WELL NAME: J. H. Kight #1 TOTAL DEPTH: 1840 ft.
COUNTY: Coffee DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	100	100
In Miocene Hawthorne Undif. 100	Sand: very pale orange to yellowish-gray, very fine- to coarse-grained, indurated, with white, phosphatic clay cement, fine heavy minerals, and rare chert, 10YR8/2 to 5Y8/2	30	130
	Sand: very pale orange to yellowish-gray, fine-grained, moderately to well sorted, with phosphate grains, rare muscovite, manganese(?) concretions, and Dolomite; gray, sandy, 10YR8/2 to 5Y8/2 Sponge spicules at 150 - 160'	50	180
	Clay: light greenish-yellow, indurated, silty to sandy, with phosphate grains, muscovite, and heavy minerals, fossiliferous, with diatoms and sponge spicules, and Chert; olive to tan, and Sand; fine-grained, well sorted, indurated, with silica cement, 10YR8/4 to 5Y6/2	85	265
	Clay: light olive-gray, indurated, finely sandy, slightly phosphatic, dolomitic in part, with sponge spicules, and Sand; very fine- to coarse-grained, poorly sorted, 5Y6/1	95	360
	Sand: yellowish-gray and light gray, very fine- to coarse-grained, poorly sorted, with heavy minerals, and Clay; as above, and Limestone; light bluish-gray, with phosphate grains and oyster shells, 5Y7/1 and N7	90	450
	Sand: yellowish-gray, fine- to medium-grained, moderately sorted, with rare heavy minerals, and Limestone; yellowish-gray, very sandy, argillaceous in part, with pyrite and phosphate grains, fossiliferous, with molds and fragments of bivalves and gastropods, 5Y7/2	10	460
	Sand: yellowish-gray to very light olive-gray, poorly to moderately sorted, with heavy minerals, and Limestone; as above, with fragments of bryozoans, echinoids, and crabs, and Dolomite; yellowish-brown, finely saccharoidal, 5Y8/1 to 5Y7/1 <u>Sorites</u> sp. impression at 470 - 480'	70	530
	Clay: very light olive-gray, phosphatic, and Limestone and Dolomite; as above, 5Y7/1	10	540
Oligocene Undif. 540	Limestone: very pale orange to very light olive-gray, sandy, fossiliferous, with coquinoid texture, containing fragments and impressions of bivalves,		

	bryozoans, and gastropods, and burrow fillings, and Dolomite; yellowish-brown, saccharoidal, sparse, and Sand; very fine- to coarse-grained, moderately sorted, and Clay; olive to tan, indurated, phosphatic, 10YR8/2 to 5Y7/1		
	Miliolids, Quinqueloculina sp. at 540 - 550' ----------	50	590
	Sand: yellowish-gray to light gray, medium- to coarse-grained, with rare heavy minerals and pyrite, and Dolomite; yellowish-brown, finely saccharoidal, and Limestone; as above, with phosphate grains (caved?) 5Y7/1 to N7 ----------	110	700
	Sand: very light olive-gray to light gray, fine- to medium-grained, poorly to moderately sorted, with rare heavy minerals, and Siltstone; olive, argillaceous, sandy, slightly calcareous, and Dolomite; as above, 5Y7/1 to N7 ----------	50	750
	Sand: light greenish-gray, very fine- to coarse-grained, poorly to moderately sorted, with rare heavy minerals and pyrite, and Dolomite; tan to white, saccharoidal, phosphatic, and Limestone; yellowish-gray, fine- to medium-grained, dolomitic, slightly argillaceous, fossiliferous, with molds and fragments of gastropods, echinoids, and bryozoans, and Clay; tan to yellow, indurated, phosphatic, silty in part, micaceous in part, 5GY7/1 Pararotalia mexicana, miliolids at 770 - 780' Lepidocyclina sp., Sphaerogypsina sp. at 920 - 930' ----------	190	940
	Limestone: yellowish-gray, granular, calcarenitic, very porous, fossilferous, with fragments of bryozoans, echinoids, and foraminifers, and algal remains, and Dolomite; golden brown, saccharoidal, and Sand; very fine- to coarse-grained, poorly to moderately sorted, indurated, with calcareous cement, and rare heavy minerals, 5Y8/1 to 5Y7/2 Eponides(?) sp. at 940 - 950' Nummulites(?) sp. at 950 - 960' ----------	70	1010
U. Eocene Undif. 1010	Dolomite: golden brown, saccharoidal, with pyrite, and Sand; fine- to medium-grained, poorly sorted, and Limestone; yellowish-gray, microcoquina, 5Y7/2 ------	180	1190
	Limestone: yellowish-gray, granular, dense, dolomitic, fossiliferous, with echinoid and gastropod fragments, and foraminifers, and Dolomite; golden brown, saccharoidal, and Sand; very fine- to medium-grained, with		

	heavy minerals, pyrite, and glauconite, and Siltstone; olive-gray to white, argillaceous, sandy, slightly phosphatic, 5Y7/2 to 5Y8/1 ----------	90	1280
	Sand: greenish-gray, fine- to medium-grained, moderately sorted, with abundant glauconite, and traces of Limestone and Dolomite; as above, 5GY7/1 ----------	80	1360
M. Eocene* Undif. 1360	Lithology as in 1280 - 1360' above, with pyrite, increased Limestone, and finely disseminated glauconite, 5GY7/1 ----------	70	1430
	Sand: greenish-gray, medium-grained, moderately sorted, glauconitic, fossiliferous, with fish teeth and pelecypod fragments at certain levels, and Claystone; glauconitic, 5GY7/1 ----------	250	1680
L. Eocene/ Paleocene Undif. 1680	Sand: very light olive-gray to light gray, fine- to medium-grained, moderately sorted, with muscovite and pyrite, and Siltstone; green, sandy, 5GY7/1 to N7 ---	130	1810
Cretaceous* Undif. 1810	Sand: light to very light gray, medium- to coarse-grained, poorly sorted, with rose, amethyst, and milky quartz grains, muscovite, glauconite, and pyrite, and Claystone; silty to sandy, N8 to N7 ----------	30	1840
T.D. 1840			

*Contact based on geophysical data

WELL NO: GGS 510 ALTITUDE: 280 ft.
WELL NAME: W. D. Wall #1 TOTAL DEPTH: 2734 ft.
COUNTY: Coffee DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples ----------	70	70
In Miocene Hawthorne Undif. 70	Sand: very pale orange, fine- to very coarse-grained, some is iron stained, phosphatic, with feldspar and heavy minerals, 10YR8/2 ----------	30	100
	Sand: yellowish-gray to very pale yellowish-brown, fine-grained, iron stained and cemented, rarely feldspathic, micaceous, with muscovite and biotite, and sandy manganese(?) nodules, 5Y7/2 to 10YR7/2 Limestone, gypsum, and chert present at 140-160' ----	60	160

	Sand: very pale orange, poorly sorted, but predominantly fine-grained, with abundant phosphate grains, muscovite, heavy minerals, and Chert; rare, 10YR8/2		
	Sponge spicules present at 160-210'		
	Rare gray limestone at 200-210' ----------	60	220
	No samples ----------	10	230
	Sand: as in 160-220' above		
	Rare gypsum present at 230-240' ----------	30	260
	No samples ----------	10	270
	Sand: as in 160-220' above ----------	10	280
	Sand: very pale orange to yellowish-gray, poorly sorted, but predominantly fine-grained, with muscovite, pyrite, rare feldspar, and phosphate grains, and Silt and Clay; indurated, 10YR8/2 to 5Y7/1		
	Sponge spicules and fish teeth at 300-310'		
	Chert present at 310-370' ----------	90	370
	Limestone: yellowish-gray, sandy, with phosphate grains, muscovite, and rare gypsum and chert, fossiliferous, with fragments of echinoids, pelecypods, gastropods, and bryozoans, 5Y7/1		
	Sorites sp. at 390-400' ----------	30	400
	Limestone: yellowish-gray to olive gray, sandy, fossiliferous, with gastropods and pelecypod fragments, and Sand; fine-grained, with phosphate grains, pyrite, and Dolomite; light brown, sucrosic, and Chert; rare, 5Y7/1 to 5Y6/1 ----------	40	440
U. Eocene Undif. 440	Sand: very pale orange, poorly sorted, but predominantly medium-grained, with phosphate grains, heavy minerals, and rare gypsum, and Limestone; white, sparse, fossiliferous, with bryozoans and foraminifers, 10YR8/2		
	Heterostegina sp., Asterocyclina sp., and Amphistegina sp. at 460-470'		
	Sphaerogypsina globula, Nummulites sp., Lepidocyclina sp. at 580-590' ----------	150	590
	Limestone: grayish-orange pink to very pale orange, fossiliferous, with echinoid spines and bryozoan fragments, and Sand; medium-grained, with phosphate grains and heavy minerals, 10R8/2 ----------	160	750
	Limestone: very pale orange, granular, calcarenitic, with Sand; coarse-grained, with heavy minerals, 10YR8/2 ----------	10	760
	No samples ----------	10	770
	Limestone: as in 750-760' above ----------	30	800
	Limestone: as above, and Dolomite; tan, saccharoidal, with heavy minerals, 10YR7/2		
	Phosphate grains at 800-810' ----------	50	850
	Sand: very pale yellowish-brown, very coarse-grained, and Limestone and Dolomite; as above, 10YR7/2 ----------	30	880

	Dolomite: pale yellowish-brown, saccharoidal, and Sand; poorly sorted, but predominantly very coarse-grained, with heavy minerals, and Limestone; buff-colored, 10YR6/2 ----------	30	910
	Limestone, Dolomite, and Sand: in varying proportions, limestone is white, very fine-grained, dolomite is tan, saccharoidal, sand is poorly sorted, but predominantly fine-grained, with minor amounts of heavy minerals, 10YR8/2 to 10YR8/4 Algal(?) remains at 960-980' Nummulites sp. at 970-980' ----------	70	980
	Limestone: very pale orange, granular, calcarenitic, algal(?) and Dolomite; light brown to brown, saccharoidal, and Sand; fine-grained, with heavy minerals, Algal remains at 990-1020' Echinoid spines at 1020-1030' ----------	160	1140
	No samples ----------	10	1150
	Lithology as in 980-1140' above ----------	10	1160
	Limestone: very pale orange, granular, calcarenitic, and Dolomite; light brown, saccharoidal, and Clay; gray, with rare glauconite, pyrite, 10YR8/2 ----------	30	1190
	Lepidocyclina pustulosa at 1170-180' ----------	120	1280
M. Eocene Claiborne Undif. 1190	Limestone: very pale orange, calcarenitic, and Dolomite; light brown, sucrosic, glauconitic, pyritic, with heavy minerals, and Chert; transparent to translucent, increasing with depth, 10YR8/2 ----------	90	1280
	Sand: yellowish-gray to olive gray, poorly sorted, but predominantly medium-grained, with pyrite, phosphate grains, abundant glauconite, and heavy minerals, and Limestone; granular, calcarenitic, with pelecypod and echinoid fragments, and Dolomite; tan, saccharoidal, Chert; translucent, 5Y7/1 to 5Y6/1 -------	70	1350
	Sand: yellowish-gray to greenish-gray, fine-grained, with abundant glauconite, and phosphate grains and pyrite, and Dolomite, Limestone, and Chert, as above (caved?) 5Y8/1 to 5GY6/1 ----------	200	1550
	No samples ----------	10	1560
L. Eocene/ Paleocene 1560	Limestone: yellowish-gray to very light olive-gray, fine-grained, sandy in part, and Sand: fine-grained, with glauconite, and Clay; green, calcareous, and Dolomite; light brown, saccharoidal, 5Y8/1 to 5Y6/1 Bryozoan and echinoid remains, and nacreous shell fragments at 1590-1660' ----------	100	1660
	Sand: light gray, becoming very pale orange at depth, poorly to moderately sorted, predominantly fine-grained, glauconitic, pyritic, with phosphate grains, and heavy minerals, and Limestone; white, sandy, and traces of Dolomite; light brown, saccharoidal, and Clay; green. Sample is fossiliferous, with nacreous shell fragments, gastropod molds, and echinoid fragments, N7 to 10YR8/2 ----------	280	1940

Cretaceous Undif. 1940	Sand: very pale orange to yellowish-gray at depth, poorly sorted, but predominantly medium-grained, iron stained, with muscovite, glauconite, heavy minerals, and rare pyrite, and Clay; pink to yellowish-orange, and Limestone; buff-colored, calcarenitic, and Dolomite; light brown, saccharoidal, (carbonate may be caved) 10YR8/2 to 5Y8/1 Globigerina cretacea at 1990-2000'	430	2370
	Sand: very coarse-grained to granule gravel, pyritic, glauconitic, and Limestone; white, micritic to calcarenitic, and Shale; gray, and Chert; gray	50	2420
	Sand: very fine- to very coarse-grained, poorly sorted, glauconitic, and interbedded Shale; gray, calcareous	310	2730
	No samples	4	2734

T.D. 2734

WELL NO: GGS 1538 ALTITUDE: 257 ft.
WELL NAME: J. E. Courson TOTAL DEPTH: 400 ft.
COUNTY: Coffee DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: dark yellowish-orange, medium- to coarse-grained, iron stained, 10YR6/6	20	20
	Sand: reddish-brown, coarse-grained to pebbly, with hematite coating, 10YR5/4	20	40
	Sand: pale yellowish-gray, fine- to medium-grained, with grayish-white clay matrix, and coarse-grained, unconsolidated, 5Y7/2 Muscovite at 60-80'	40	80
Miocene Hawthorne Undif. 40	Clay: white, tough, sandy in part, 10YR8/2 Phosphate grains, chert at 150-160'	80	160
	Sand: clear, medium- to coarse-grained, and Clay; white, very powdery, with phosphate grains	20	180
	Clay: white, tough, dull, with phosphate grains, and Sand; in clay matrix, micaceous, 5Y8/1	20	200
	Sand: pale yellowish-gray, fine-grained, with white clay matrix, and Clay; white, and phosphate grains, 5Y8/1	40	240
	Clay: grayish-white, and Chert; gray, and Sand; coarse-grained	20	260
	Limestone: white, dull, fine-grained, sandy, with nacreous shell fragments 5Y8/1	30	290
	Dolomite: white, with sparse phosphate grains	10	300
	Sand: fine- to coarse-grained, with phosphate grains and Clay; consolidated and unconsolidated	30	330

	Limestone: pale yellowish-gray, fine-grained, sandy, and Clay; light-colored, and Chert; sandy, rare, and phosphate grains ----------	20	350
	Limestone: pale yellowish-gray, fine-grained, tough, with Sorites sp. impressions, worm tubes, pelecypods -----	10	360
	Limestone, pale yellowish-gray, earthy, with phosphate grains ----------	10	370
	Limestone, pale yellowish-gray, sandy, tough, with macro-shell fragments and impressions, and phosphate grains Dolomite, echinoid and barnacle remains at 390-400' ----------	30	400

T.D. 400

WELL NO: GGS 1825 ALTITUDE: 315 ft.
WELL NAME: City of Ambrose TOTAL DEPTH: 1120 ft.
COUNTY: Coffee DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: very pale orange to grayish-orange pink, very fine- to very coarse-grained, moderately to poorly sorted, angular to subangular grains, iron stained, feldspathic, with traces of clay, 10YR8/2 to 5YR7/2 ----------	50	50
	Sand: grayish-orange, very fine- to very coarse-grained, with magnetite, iron staining, and Claystone; white to deep red, very slightly calcareous, and Chert; tan, sparse, 10YR6/4 ----------	20	70
Miocene Altamaha/ Hawthorne Undif. 70	Sand: grayish-orange to very pale yellowish-orange, very fine- to very coarse-grained, moderately sorted, sub-angular grains, with white feldspar, magnetite, and Claystone; white, sandy, indurated, with moderate iron staining, and muscovite, 10YR7/4 to 10YR7/2 Diatoms and sponge spicules at 130 - 140' ----------	110	180
Miocene Hawthorne Undif. 180	Sand: grayish-orange pink to very pale yellowish-brown, very fine- to very coarse-grained, poorly to moder-ately sorted, angular to rounded grains, with heavy minerals and phosphate grains, somewhat iron stained, and Claystone; white to very pale orange, slightly calcareous, finely sandy, phosphatic, diatomaceous, micaceous in part, 5Y7/2 to 10YR8/2 Rare fish teeth at 230 - 240' ----------	140	320
	No samples ----------	10	330

	Lithology as in 180 - 320' ----------	50	380
	Sand: yellowish-gray, very fine- to very coarse-grained, poorly sorted, iron stained, and Claystone; as above, and Chert; brown to light olive-gray, and Limestone; fossiliferous, with nacreous shell fragments and echinoid remains, 5Y8/1 ----------	60	440
	Limestone: light yellowish-gray, sandy, dense, fossiliferous, with molds and impressions of macroshells and bryozoans, and Sand; as above, with rare phosphate grains, 5Y8/2 ----------	20	460
	Dolomite: gray to white, sandy, phosphatic, fossiliferous, with molds and fragments of miliolids, bryozoans, and crab claws, and Sand; as above, N8 ----------	20	480
	Limestone: yellowish-gray to light gray, sandy, argillaceous, phosphatic, dolomitic, fossiliferous, with macroshell molds and impressions, and miliolids, and Sand; very fine- to very coarse-grained, moderately sorted, angular grains, 5Y8/1 to N8 Sorites sp. at 530 - 540' ----------	70	550
	Limestone: as above, and very pale orange, dense, and Dolomite; golden, finely sucrosic, sandy, and Sand; as above, 10YR8/2 and N8 ----------	10	560
	Limestone: very pale orange and medium light gray, dense to dolomitic, with calcite veins and nodules, sandy, argillaceous, phosphatic, fossiliferous, with crab claw molds and bryozoan remains, 10YR8/2 and N7 -----	60	620
Oligocene Undif. 620	Limestone and Dolomite: limestone is light olive-gray to light yellowish-gray, porous, bioclastic, to crystalline, with fragments of corals, echinoids, bivalve shells, and foraminifers, dolomite is light olive-gray, finely sucrosic, porous, with traces of finely disseminated glauconite and pyrite, 5Y8/1 Amphistegina sp. (?) at 620-630' Lepidocyclina sp., Pararotalia mexicana at 660 - 670' Nummulites sp. at 660 - 680' Asterigerina sp., bryozoans at 680 - 690' Sphaerogypsina sp., bryozoans at 720 -730' Discorbis sp., at 750 - 760' Nummulites panamensis at 770 - 780' Discorinopsis sp. at 780 - 790' Lenticulina sp. at 960 - 970' Guttulina sp. at 980 - 990' Lepidocyclina pustulosa at 1010 - 1020' ----------	500	1120
T.D. 1120			

WELL NO: GGS 3033 ALTITUDE: 215 ft.
WELL NAME: General Coffee State Park #1 TOTAL DEPTH: 600 ft.
COUNTY: Coffee DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic, with some interbedded Sand; fine- to coarse-grained, subangular to subrounded grains	70	70
Miocene Hawthorne Undif. 70		Clay: cream to pale green, blocky, sandy, with interbedded Sand; as above, but phosphatic	130	200
		Lithology as above: with some interbedded Limestone; cream, saccharoidal, sandy	100	300
		Limestone: light brown, saccharoidal, sandy, phosphatic, fossiliferous, with molds and impressions of molluscan shells Elphidium sp., Sorites sp. at 300 - 340'	40	340
Oligocene Undif. 340	Oligocene Suwannee 340	Limestone: gray, becoming cream at depth, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var., Asterigerina subacuta at 340 - 350' Dictyoconus sp., Discorinopsis gunteri at 400 - 410'	160	500
U. Eocene Ocala Undif. 500	U. Eocene Ocala 500	Limestone: light brown, becoming cream at depth, saccharoidal, very fossiliferous, with common to abundant foraminifers Nummulites wilcoxi, Gyroidina nassauensis, Lepidocyclina sp., Asterocyclina sp. at 500 - 510'	100	600
T.D. 600	T.D. 600			

WELL NO: GGS 3034 ALTITUDE: 200 ft.
WELL NAME: General Coffee State Park #2 TOTAL DEPTH: 600 ft.
COUNTY: Coffee DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: pale, yellowish-brown, coarse-grained, subangular, with iron staining, 10YR6/2	10	10
	Sand: pale reddish-brown, coarse- to very coarse-grained, iron cemented in part, and white feldspar 10R5/4	10	20
	Clay: moderate orange pink, sandy, and white, consolidated, and Sand; orange (iron stained) coarse-grained 10R7/4	10	30
	Sand: grayish-orange, medium- to coarse-grained, with pebbles, and white feldspar 10YR7/2	20	50
	Sand: pale orange, fine-grained, with clay matrix 10YR8/2 to 10YR7/4	10	60
	Sand: moderate reddish-orange, fine- to coarse-grained, argillaceous, with heavy minerals, 10YR6/6	10	70
Miocene Hawthorne Undif. 70	Clay: pale orange, with fine-grained sand, with a few quartz pebbles	40	110
	Sand: clear, fine- to medium-grained, with abundant phosphate grains, silica cemented in part, and Clay; with phosphate grains, 10YR8/2-5YR7/2	70	180
	Sand: pale yellowish-gray, fine- to coarse-grained, with abundant phosphate grains, silica cemented in part, and Clay; white, tough, hackly	110	290
Oligocene Suwannee 290	Limestone: pale yellowish-gray, granular, calcitized, and Clay; pale green, fossils include miliolids, bryozoans, gastropods, echinoids, sponge spicules Dictyoconus sp. at 290-310' Discorinopsis sp., Clavulina sp. at 330-340' Discorbis sp., at 350-360' Pararotalia mexicana at 360-370'	140	430
U. Eocene Ocala Undif. 430	Limestone: grayish-pink, chalky, richly fossiliferous Asterocyclina nassauensis, Lepidocyclina sp., Nummulites floridensis at 430-440'	170	600

T.D. 600

WELL NO: GGS 3041 ALTITUDE: 251 ft.
WELL NAME: City of Douglas #1 TOTAL DEPTH: 650 ft.
COUNTY: Coffee DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	160	160
In Miocene Hawthorne Undif. 160	In Miocene Undif. 160	Sand: fine- to medium-grained, subangular to subrounded grains, phosphatic, fossiliferous at depth, with molluscan shells, interbedded at depth with Clay; pale to dark brownish-green, blocky, sandy	130	290
		Indurated Sand: with calcite cement, gray, dense, phosphatic, with some Sand and Clay; as above	110	400
Oligocene Suwannee 400	Oligocene Suwannee 400	Limestone: cream, somewhat nodular, massive, saccharoidal, fossiliferous, with foraminifers Dictyoconus sp. at 400 - 410'	90	490
U. Eocene Ocala Undif. 490	U. Eocene Ocala 490	Limestone: gray, rather dense, saccharoidal, fossiliferous, with some foraminifers Nummulites sp., Lepidocyclina sp. at 490-500'	70	560
490		Limestone: as above, but somewhat softer and chalky Nummulites sp. common to abundant, Amphistegina pinarensis var. at 610 - 620'	90	650
T.D. 650	T.D. 650			

WELL NO: GGS 3127 ALTITUDE: 275 ft.
WELL NAME: Oveda Fussell TOTAL DEPTH: 4350 ft.
COUNTY: Coffee DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	420	420
In Oligocene Undif. 420	Dolomite: pale yellowish-brown, crystalline, phosphatic, bryozoa, Nummulites sp., 10YR6/2	80	500
	Limestone: yellowish-gray, granular to bioclastic, bryozoa and Lepidocyclina sp., 5Y8/1	40	540
M. Eocene* Undif. 1300	No samples	1020	1560

In Lower Eocene/ Paleocene* Undif. 1550	Limestone: light olive gray, fine-grained, phosphatic, Siliceous rock; fine-grained, Silt; calcareous, pyritic, 5Y6/1	50	1610
	Sand: light olive gray to medium gray, fine-grained, moderately sorted, micaceous, with abundant oyster shell fragments, Silt; calcareous, clayey, pyritic, 5Y6/1 to N5	60	1670
	Sand: light olive gray to medium gray, fine-grained, moderately sorted, micaceous, with abundant oyster shell fragments, Silt; calcareous, clayey, pyritic, 5Y6/1 to N5	80	1750
	No samples	20	1770
In Cretaceous Undif. 1770	Sand: medium gray, fine-grained, moderately sorted, Silty; clayey, micaceous, with coarse-grained pyrite, N5		
	Globotruncana ganseri at 1800 to 1810'	50	1820
	Siltstone: medium gray, calcareous, fossiliferous, with ostracods and foraminifers, N5	20	1840
	No samples	10	1850
	Lithology as in 1820-1840'		
	Guembelina sp. at 1860-1870'	20	1870
	No samples	20	1890
	Lithology as in 1820-1840'	40	1930
	Clay: greenish-gray, calcareous, silty, finely micaceous, and Sand; medium-grained, subangular grains, and Limestone; buff-colored, sandy, 5GY5/1	80	2010
	Sand: greenish-gray, fine- to medium-grained, poorly sorted, indurated in part, with calcite cement, pyritic, with phosphate grains and feldspar, 5GY6/1	20	2030
	Sand: greenish-gray, fine-grained, well sorted, subangular grains, indurated, with calcite cement, pyritic, glauconitic, with phosphate grains, 5GY6/1	100	2130
	Sand: light olive-gray, medium-grained, subangular grains, pyritic, glauconitic, with phosphate grains, and Clay; gray, silty, 5Y6/1	50	2180
	Clay: greenish-gray, calcareous, silty, and Sand; as above, 5GY5/1	10	2190
	No samples	60	2250
	Clay: as in 2180-2190'	180	2430
	Clay: olive-gray, silty to sandy, micaceous, glauconitic, and Sand; fine- to medium-grained, subangular to rounded, 5Y4/1	20	2450
	No samples	10	2460
	Clay: as in 2430-2450'	20	2480
	Clay: greenish-gray, silty, and Sand; clear, subangular, glauconitic, with abundant pyrite, and Limestone; white, sandy, 5GY5/1		
	Inoceramus sp. at 2480-2490'	70	2550

Clay: moderate olive-gray, calcareous, very silty, and Sand; medium-grained, glauconitic, pyritic, and Limestone; white, sandy, with rare phosphate grains, 5Y5/1	100	2650
Clay: olive-gray, calcareous, very sandy, with pyrite, rare glauconite, and Sand and Limestone; as above, 5Y4/1	200	2850
Clay: gray, sandy, and Sand; fine- to medium-grained, indurated, with calcite cement, glauconitic, pyritic, and Limestone; white, sandy	10	2860
No samples	30	2890
Clay: as in 2850-2860'	60	2950
Clay: gray, calcareous, sandy, and Sand; indurated, with calcite cement, glauconitic, pyritic, micaceous, with sparse pelecypod fragments and fish teeth	90	3040
Clay: greenish-gray, variously laminar, sandy, and micaceous, and Sand; as above, 5GY5/1	50	3090
Sand: greenish-gray, medium-grained, angular to subangular grains, feldspathic, pyritic, with phosphate grains and glauconite, and Clay; as above, 5GY6/1	240	3330
Sand: very pale orange, medium- to coarse-grained, feldspathic, with traces of pyrite, heavy minerals, 10YR8/2	240	3570
Clay: greenish-gray, sandy, finely micaceous, laminar, and interbedded Sand; as above, 5GY5/1 and 10YR8/2	190	3760
Sand: very pale orange and pale yellowish-brown, medium-grained, subangular grains, iron stained, micaceous, with heavy minerals, and Clay; red, green, and gray, 10YR8/2 and 10YR6/2	240	4000
Sand: very pale orange, medium- to coarse-grained, subangular grains, somewhat iron stained, feldspathic, micaceous, with rare pyrite and heavy minerals, 10YR8/2	80	4080
Sand and Clay: interbedded, sand is as above, clay is gray, red, and green, sandy, and micaceous	10	4090
No samples	10	4100
Lithology as in 4090-4100'	40	4140
Sand: light brown to pale orange, medium- to coarse-grained, subangular grains, iron stained, feldspathic, with heavy minerals and muscovite, 10YR8/2 to 10YR7/2	90	4230
Sand: very pale brown, medium- to coarse-grained, subangular grains, and Sandstone; fine-grained, silica cemented, very iron stained, in rounded aggregates, 5YR6/2	45	4275
No samples	5	4280
Lithology as in 4230-4275'	20	4300
Sand: pale red, medium-grained, and Quartzite; pale red, congolmeratic, 5R6/2	42	4342
No samples	8	4350

T.D. 4350

*Contact based on geophysical data.

WELL NO: GGS 3539 & 3541 ALTITUDE: 290 ft.
WELL NAME: Coffee #3 & #4 TOTAL DEPTH: 1062 ft.
COUNTY: Coffee DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Soil: organic material ----------	3	3
In Miocene Altamaha 3	Sand: grayish-yellow to grayish-pink to moderate reddish-brown, fine- to medium-grained with some coarse grains, moderately sorted, subangular quartz, variably argillaceous, 5Y8/4 to 5R8/2 to 10R4/6 ----------	17	20
	Clay: mottled grayish-yellow to dusky red, pure, abrupt contact with above interval, 5Y8/4 to 5R5/4 Clay analysis as follows: 92.1% kaolinite, 7.5% illite, 0.4% smectite at 22' ----------	2	22
	No recovery ----------	17	39
	Sand: grayish-yellow to pale reddish-brown, fine- to medium-grained, moderately sorted, argillaceous, deeply weathered, 5Y8/4 to 10R5/4 Sand: greenish-gray to yellowish-gray, medium- to very coarse-grained, poorly sorted, subrounded to subangular quartz and feldspar, argillaceous, hard, unweathered, 5GY6/1 to 5Y8/1 Clay analyses as follows: 77.0% kaolinite, 12.3% illite, 10.7% smectite at 45'; 70.4% kaolinite, 11.4% illite, 18.2% smectite at 52' ----------	14	53
	Sandstone: light greenish-gray, fine- to coarse-grained, poorly sorted, subrounded to subangular quartz and feldspar, variably argillaceous, hard to relatively unconsolidated, limonite or other iron oxide in joints or fractures, 5GY8/1 Clay analyses as follows: 80.4% kaolinite, 6.7% illite, 12.9% smectite at 54'; 93.6% kaolinite, 4.0% illite, 2.4% smectite at 60'; 91.6% kaolinite, 4.7% illite, 3.7% smectite at 61'; 90.4% kaolinite, 8.1% illite, 1.5% smectite at 68'; 81.3% kaolinite, 4.9% illite, 13.9% smectite at 73'; 46.6% kaolinite, 53.4% smectite at 75' ----------	24	77
Middle Miocene Unnamed Sand and Clay 77	Sand: yellowish-gray to nearly white, fine- to medium-grained, well sorted, subrounded quartz, variably argillaceous, ranging from a sandy clay at top of interval to pure sand, with cross-bedding(?) near bottom of interval, 5Y8/1 to N9 Chert at 78-84'		

	Clay analyses as follows: 31.3% kaolinite, 68.7% smectite at 80'; 45.2% kaolinite, 54.8% smectite at 83'; 100% smectite at 94'; 18.5% illite, 26.9% palygorskite, 7.9% sepiolite, 46.8% smectite at 105' ----------	34	111
Miocene Hawthorne Undif. 111	Clay: greenish-gray to light olive gray, almost pure, massive to laminated, gradational contact with above interval, with intraclasts of clay, 5GY6/1 to 5Y5/1 Clay analyses as follows: 24.1% illite, 20.7% palygorskite, 14.2% sepiolite, 41.0% smectite at 115'; 0.6% kaolinite, 17.0% illite, 14.1% palygorskite, 26.4% sepiolite, 41.9% smectite at 117'; 3.0% kaolinite, 11.8% illite, 3.8% palygorskite, 3.8% sepiolite, 77.7% smectite at 127' ----------	21	132
	Sand: grayish-yellow-green, fine-grained, well sorted, subrounded quartz, silty, argillaceous, structureless, slightly bioturbated, thin laminated clay layers in places, with heavy minerals and small amounts of mica, 5GY7/2 Chert, black, at 170' Clay analyses as follows: 24.7% kaolinite, 13.1% illite, 62.3% smectite 140'; 22.3% kaolinite, 18.8% illite, 59.0% smectite at 155'; 1.4% kaolinite, 11.5% illite, 2.0% sepiolite, 85.1% smectite at 169'; 3.7% sepiolite, 96.3% smectite at 173'; 8.9% palygorskite, 11.9% sepiolite, 79.2% smectite at 175' ----------	44	176
	Clay: yellowish-gray, massive, sandy, with rare pyrite, 5Y8/1 Clay analysis as follows: 71.8% palygorskite, 17.6% sepiolite, 10.6% smectite at 183' ----------	9	185
	Clay: light greenish-gray, pure to sandy and silty, with clay clasts, 5GY8/1 Clay analysis as follows: 57.6% palygorskite, 11.2% sepiolite, 31.2% smectite at 186' ----------	3	188
	Sand: light greenish-gray, very fine- to fine-grained, well sorted quartz, argillaceous, slightly phosphatic, with rare heavy minerals, faintly bedded with clay laminae, 5GY8/1 Clay analyses as follows: 68.0% palygorskite, 13.3% sepiolite, 18.7% smectite at 191'; 49.6% palygorskite, 20.4% sepiolite, 30.0% smectite at 200' ----------	14	202

	No core sample, wash sample retrieval relatively pure, very fine sand, slightly phosphatic ----------	20	222
	Sand: greenish-gray, fine- to medium-grained, well sorted quartz, phosphatic (cream to buff, some brown and black grains) slightly bioturbated, argillaceous with scattered rounded clay clasts, 5GY5/1 Clay analyses as follows: 69.5% palygorskite, 8.4% sepiolite, 22.2% smectite at 231'; 62.9% palygorskite, 9.3% sepiolite, 27.9% smectite at 236'; 70.5% palygorskite, 7.0% sepiolite, 22.5% smectite at 250'; 72.1% palygorskite, 4.6% sepiolite, 23.3% smectite at 257' ----------	36	258
Miocene Undif. 258	Sand and Clay: dusky yellow-green to grayish-olive green, sand is fine-grained and well sorted, micaceous, 5GY5/2 to 5GY3/2 Clay analyses as follows: 15.4% kaolinite, 84.6% smectite at 259'; 51.4% kaolinite, 11.2% illite, 37.4% smectite at 260'; 16.9% kaolinite, 16.8% illite, 66.4% smectite at 271' ----------	14	272
T.D. 267 of GGS #3539			
	Clay: grayish-olive, pure, tough, brittle, 10Y4/2 Clay analysis as follows: 26.4% kaolinite, 16.9% illite, 56.6% smectite at 280' ----------	10	282
	Poor recovery, apparently sand ----------	5	287
	Clay: white to light greenish-gray, laminated, extremely brecciated with 3-D mud cracks, darker clay filling cracks, with lath-shaped silty clasts, grading downward to clay clasts in silt and fine-grained sand matrix, N9 to 5GY8/1 Clay analysis as follows: 32.4% palygorskite, 25.7% sepiolite, 41.8% smectite at 294' ----------	15	302
	No recovery ----------	7	309
	Clay: white to light greenish-gray, laminated, brecciated, as above, N9 to 5GY8/1 Clay analysis as follows: 47.8% palygorskite, 17.7% sepiolite, 34.5% smectite at 310' ----------	4	313
	Sand: very light gray, fine- to medium-grained, well sorted quartz, phosphatic, argillaceous, slightly calcareous, with interlayered Clay; dark greenish-gray, 1-3' thick, laminated, dense, calcareous,		

	and Limestone; layers 1' and less, dense, fine-grained, N8 to 5GY4/1 Poor recovery, 313-319', 334-339', 362-388' Clay analyses as follows: 57.6% palygorskite, 13.4% sepiolite, 28.9% smectite at 323'; 22.8% illite, 41.0% palygorskite, 7.7% sepiolite, 28.5% smectite at 323'; 25.2% illite, 22.7% palygorskite, 14.4% sepiolite, 37.6% smectite at 347'; 18.3% illite, 26.8% palygorskite, 17.2% sepiolite, 37.7% smectite at 357' ----------	79	392
	Clay: dark greenish-gray, pure to very slightly sandy and calcareous, massive, 5GY4/1 Clay analysis as follows: 23.0% illite, 49.1% palygorskite, 27.9% smectite at 397' ----------	13	405
	Sand: very light gray, fine- to medium-grained, moderately sorted quartz, phosphatic, calcareous, N8 Poor recovery 412-418' ----------	13	418
	Limestone: white to light gray, fine-grained, very sandy, with medium-grained, subangular, clear quartz, phosphatic, dolomitic at certain intervals, macrofossiliferous, N9 to N7 Clay anaylses as follows: 82.8% palygorskite, 17.2% smectite as 433'; 65.1% palygorskite, 34.9% smectite at 448' ----------	57	475
	Sand: very light gray, fine-grained, well sorted quartz, calcareous, slightly argillaceous and carbonaceous, fossiliferous, N8 Clay analyses as follows: 100.0% smectite at 477'; 100.0% smectite at 485' ----------	14	489
	Limestone: white to light gray, sandy, varying from sandy limestone to calcareous sand, sand is fine- to medium-grained, moderately sorted, hard, dense, slightly argillaceous, phosphatic, sparsely fossiliferous to microcoquinoid at depth, N9 to N7 Corals at 520-523', 527-529', 531-543' Crasostrea gigantissima at 525' and 531' Clay analyses as follows: 18.6% illite, 8.9% palygorskite, 72.5% smectite at 504'; 100.0% smectite at 539'; 100.0% smectite at 556' ----------	78	567
Oligocene Suwannee 567	Limestone: white to yellowish-gray, dense dolomitic limestone to calcareous, saccharoidal dolomite, with scattered algal mat structures, abundantly fossiliferous (corals, mollusks, foraminifers), N9 to 5Y7/2 Nummulites sp., Lepidocyclina sp. at 593' ----------	27	594

	Poor recovery, assumed soft limestone ----------	11	605
	Limestone: yellowish-gray to pinkish-gray, soft to fairly hard, slightly sandy and phosphatic(?) at top of interval, finely granular, porous, somewhat recrystallized at 616-619' and 637-657', abundantly fossiliferous (miliolids, Lepidocyclina sp., Nummulites sp.), coralline from 620-636', 5Y8/1 to 5YR8/1		
	Poor recovery at 613-616' and 647-659' ----------	70	675
Oligocene Undif. 675	Dolomite: yellowish-gray to dusky yellow, dense, saccharoidal, shaley at intervals, carbonaceous at top and bottom few feet of interval, 5Y7/2 to 5Y6/4 ----------	26	701
	Limestone: white to yellowish-gray, soft, chalky, finely granular, calcilutitic, fossiliferous, with abundant foraminifers (Lepidocyclina sp., Nummulites sp.), and rare scattered algae, N9 to 5Y8/1		
	Poor recovery at 724-741' ----------	50	751
	Limestone: yellowish-gray, finely granular, laminated, very slightly sandy, somewhat foraminiferal, with oragnic matter (algae?) between laminae, 5Y8/1 ------	13	764
	Dolomite: yellowish-gray, dense, saccharoidal, shaley, somewhat fossiliferous, with rare glauconite, pyrite and carbonaceous laminae, and interlayered Limestone; finely saccharoidal, 5Y7/2		
	Lepidocyclina sp. at 771-773' ----------	39	803
	Limestone: white to yellowish-gray, soft and unconsolidated to hard, dense, granular and recrystallized, calcarenitic to calcilutitic, intervals are finely layered and bioclastic, scattered carbonaceous material throughout interval, dense limestone with carbonaceous laminae from 860-875', interval of angular carbonaceous limestone at 987-989', abundant foraminifers at certain intervals, N9 to 5Y8/1		
	Pyrite(?) at 905-910'		
	No samples at 942-952'		
	Pararotalia mexicana at 828' and 941' ----------	189	992
Upper Eocene(?) 992	Dolomite: yellowish-gray, dense, granular, saccharoidal, with scattered flecks of carbonaceous material and fine pyrite(?), 5Y7/2 ----------	7	999
	Limestone: very light gray, dense, chalky and fine-grained, more coarsely granular with depth, thinly layered, with scattered fine carbonaceous material, pyrite, phosphate, and glauconite, coarsely glauconitic at bottom of interval, bryozoan debris at bottom of interval, N8 ----------	20	1019
	Limestone: light gray to very pale orange, massive, finely granular, slightly phosphatic, abundant fine glauconite decreasing to non-glauconitic at depth, vaguely stratified with glauconite appearing on bed-		

	ding planes, fossiliferous (bryozoans and foraminifers) at 1044-1046', N8 to 10YR8/2 Pyrite at 1021' Lepidocyclina sp. at 1041' Nummulites floridensis, Nummulites sp. at 1043' Discocyclina sp. at 1046' ----------	29	1048
	Limestone: white to very light gray to yellowish-gray, coarsely granular, bioclastic, glauconitic, pyritic, with organic material(?) abundant bryozoans and small foraminifers, N9 to N8 to 5Y8/1 ----------	14	1062

T.D 1062

WELL NO: GGS 170 ALTITUDE: 287 ft.
WELL NAME: D. G. Arrington #1 TOTAL DEPTH: 4904 ft.
COUNTY: Colquitt DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples ----------	120	120
In Miocene Hawthorne Undif. 120	Limestone: very pale orange, sandy, phosphatic, and Dolostone; dolomitic matrix with clay, silt, and sand grains, trace of lignite, and phosphate grains, 10YR8/2 ----------	10	130
	No samples ----------	70	200
	Limestone: yellowish-gray, chalky, sandy, fossiliferous, with echinoid and bivalve fragments, and Clay; green, indurated, fissile, calcareous, and Sand; fine-grained, moderately sorted, iron stained, with phosphate grains, fish teeth and bone fragments, 5Y7/2 Chert at 210-220' ----------	30	230
	Limestone: yellowish-gray, chalky, argillaceous, sandy, phosphatic, dolomitic in part, fossiliferous, with pelecypod molds, and Clay; tan to green, calcareous, silty to sandy, with a trace of pyrite, 5Y7/2 Chert at 240-250' ----------	30	260
	Dolomite: yellowish-gray to very pale orange, porous, calcareous, sandy, with bivalve impressions, trace of phosphate, heavy minerals, and Clay; as above, 5Y8/1 to 10YR8/2 ----------	60	320
	No samples ----------	10	330
	Dolomite: yellowish-gray to very pale orange, silty to sandy, phosphatic, fossiliferous, with molds and fragments of pelecypods, gastropods, bryozoans, crab claws, and sponge spicules, and Clay; green, waxy, and Sand; fine- to coarse-grained, with heavy minerals, 5Y7/2 to 10YR8/2 ----------	90	420

	Limestone: very pale orange to yellowish-gray, finely sandy, phosphatic, fossiliferous, with sponge spicules and bryozoans, and Dolomite; brown, with calcite veins, and Clay; sparse, with phosphate grains, 10YR8/2 to 5Y8/1	10	430
	No samples	10	440
	Lithology as in 420-430' above	20	460
	Dolomite: yellowish-gray, fossiliferous, with sponge spicules and bivalve molds, and Sand; very fine- to very coarse-grained, poorly sorted, with dolomitic cement, pyrite, heavy minerals, and phosphate grains, 5Y8/1	10	470
Oligocene Undif. 470	Limestone: yellowish-gray to very pale orange, porous, sandy, fossiliferous, with sponge spicules and echinoid spines, and Dolomite; as above, 5Y8/1 to 10YR8/2 Lenticulina sp. and Sphaerogypsina sp. at 470-480'	10	480
	Dolomite: yellowish-gray to light olive-gray, very porous, saccharoidal, sandy with phosphate grains, fossiliferous, with poorly preserved echinoid and bryozoan(?) fragments, molds, and impressions, 5Y7/2 to 5Y6/1	60	540
	No samples	10	550
	Dolomite: as above, with sponge spicules, and Limestone; yellowish-gray, with dark mottling, and Clay; yellowish-green, phosphatic, micaceous, 5Y6/1 Sphaerogypsina sp. at 610-620'	100	650
	Dolomite: light olive-gray, very porous, saccharoidal, finely sandy to silty, and Limestone; white, with finely disseminated phosphate, finely sandy to silty, fossiliferous, with bryozoan remains, and Sand; iron stained and cemented, with rare lignite, heavy minerals, and muscovite, 5Y6/1 Lenticulina vicksburgensis, Siphonina advena, Anomalina bilateralis, Cibicides cookei at 740-750' Amber-colored chert at 750-860'	220	870
	Limestone: very pale orange, dolomitic, saccharoidal in part, somewhat sandy, fossiliferous, with echinoid spines, gastropods, and sponge spicules, and Clay; light grayish-green, indurated, fissile, micaceous, lignitic, 10YR8/2 Cibicides cf. pippeni or cookei at 870-880' Lenticulina alato-limbata, L. vicksburgensis, Bulimina cuneata, Uvigerina vicksburgensis, Eponides bryamensis at 890-900'	30	900
	Dolomite: brown, saccharoidal, and Limestone; tan and white, dolomitic, fossiliferous, and Sand; coarse-grained, with phosphate grains, and Chert; amber-colored, 5Y8/1 Barnacle remains at 900-910'	10	910

	Limestone: yelowish-gray, fine-grained, pyritic, fossiliferous, and Dolomite; as above, and Sand; fine-grained, poorly sorted, with phosphate grains, glauconite, and lignite(?) 5Y7/2 *Dentalina* sp., *Cibicides* cf. *cookei* or *pippeni* at 910-920'	10	920
	Dolomite: yellowish-gray, saccharoidal, sandy, and Limestone; dolomitic, fossiliferous, with foraminifers as above, 5Y8/1 Chert present at 930-940'	40	960
	No samples	10	970
	Dolomite: as in 920-960' above, and Limestone; very pale orange, porous, fossiliferous, with traces of pyrite and phosphate, and Chert; amber-colored, at certain levels, 10YR8/2 *Lenticulina* sp. at 970-1010' *Nummulites* sp. at 980-1020' *Nodosaria* sp. at 1000-1010' *Cibicides* sp. at 1010-1020'	50	1020
U. Eocene Undif. 1020	No samples	20	1040
	Sand: very pale orange, very fine- to coarse-grained, poorly sorted, with traces of pyrite, glauconite, and lignite, and Dolomite and Limestone; as above, 10YR8/2 *Cibicides cookei*, *Lenticulina* sp., and *Uvigerina* sp. at 1040-1050'	10	1050
	Dolomite and Limestone: as in 970-1020' above, fossiliferous, echinoid spines and bivalve impressions, and Sand; fine-grained, poorly sorted, with pyrite, glauconite, and phosphate grains, 10YR8/2 *Lenticulina arcuato-striata* at 1060-1070'	10	1060
	No samples	10	1070
In M. Eocene* Claiborne Undif. 1070	Limestone: yellowish-gray, porous, granular, fossiliferous, with foraminifers, and Dolomite; golden, saccharoidal to white, fine-grained, with pyrite and glauconite (present in both granular and disseminated forms) and Sand; fine-grained, poorly sorted, with phosphate grains, 5Y8/1 *Discocyclina* sp., *Nummulites* sp., *Lepidocyclina* sp. at 1070-1080'	10	1080
	No samples	10	1090
	Same as 1070-1080' above	10	1100
	Limestone: white to yellowish-gray, finely sandy, glauconitic, fossiliferous, with a trace of phosphate, and Dolomite; glauconitic, pyritic, and Chert; sparse, 5Y7/2 *Nummulites* sp., algal (?) remains at 1100-1120'	20	1120
	No samples	10	1130

	Dolomite: golden, saccharoidal, and Limestone; very pale orange, porous, fossiliferous, with sponge spicules, echinoid spines, and bivalve impressions, and Sand; fine-grained, well sorted, with pyrite and glauconite, and Chert; brown to tan, translucent, 10YR8/2 Nummulites sp. at 1130-1140' Lenticulina sp. at 1170-1180' ----------	80	1210
	Claystone: greenish-gray, silty, calcareous to dolomitic, with pyrite and glauconite, and Dolomite; brown to golden, saccharoidal, and Limestone; micaceous, and Chert; at certain levels, 5GY6/1 Nummulites sp. at 1210-1220' Gyroidina sp. at 1220-1230' ----------	20	1230
	No samples ----------	10	1240
	Same as 1210-1230' above Cibicides americanus at 1250-1260' ----------	50	1290
	Limestone: yellowish-gray, massive, glauconitic, fossiliferous, and Dolomite; golden brown to olive, saccharoidal, and Claystone; as above, and Sand; fine-grained, moderately sorted, with traces of phosphate and chert, 5Y7/2 Pseudophragmina stevensoni at 1290-1300' Nummulites catenula at 1320-1330' ----------	50	1340
L. Eocene/ Paleocene Undif. 1340	Siltstone: greenish-gray to light olive, somewhat laminar, finely sandy, calcareous to dolomitic, with glauconite and pyrite, and Dolomite and Limestone; as above, fossiliferous, 5GY6/1 to 5Y6/1 Bryozoan remains, arenaceous foraminifers at 1340-1350' Lenticulina sp., Nodosaria sp., Nummulites sp., Turitella sp. at 1350-1360' Siphonina sp., Dentalina sp. at 1360-1370' Pelecypod shell fragments, Cibicides sp. at 1380-1390' Discocyclina sp. at 1390-1400' Alabamina sp., Nummulites sp. at 1410-1440' ---------	100	1440
	Limestone: light olive-gray to yellowish-gray, slightly glauconitic, fossiliferous, and Sand; fine-grained, moderately sorted, indurated, with calcareous cement, and Dolomite; sparse, with a trace of phosphate, 5Y6/1 to 5Y7/2 Dentalina sp. at 1450-1460' ----------	20	1460
	Limestone: white to light olive-gray, massive, silty, with finely disseminated glauconite, argillaceous, fossiliferous, with echinoid fragments and foraminifers, and Dolomite; light olive-gray, saccharoidal, with phosphate grains and chert (sparse) at certain levels, N7 to 5Y6/1 Gyroidina sp. at 1500-1510' Lenticulina sp. at 1540-1550' ----------	90	1550

	Limestone: light olive-gray, massive, fossiliferous, with echinoid spines, gastropods, and bryozoan remains and Dolomite; as above, and Siltstone; bluish-gray, laminar, sparse, and Sand; fine-grained, moderately sorted, pyritic, glauconitic, N7 to 5Y7/2 ----------	70	1620
	Limestone: yellowish-gray, porous, sandy, slightly phosphatic, fossiliferous, with sponge spicules, and fragments of bryozoans, bivalves, and echinoids, and Chert; dark gray, and Dolomite and Siltstone; as above, 5Y8/1 ----------	60	1680
Cretaceous Undif. 1680	Lithology as in 1620-1680' above Globotruncana sp., Gaudryina sp., Guembelina sp. at 1680-1700' ----------	20	1700
	Description on file at GGS ----------	3204	4904

T.D. 4904

WELL NO: GGS 175 ALTITUDE: 317 ft.
WELL NAME: City of Moultrie #3 TOTAL DEPTH: 1000 ft.
COUNTY: Colquitt DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Sand: very pale yellowish-orange, fine- to very coarse-grained, pebbly, frosted grains, partially iron cemented, feldspathic, with muscovite and heavy minerals, and Clay; tan, 10YR8/4 ----------	250	250
	Limestone: very pale orange, argillaceous to sandy, saccharoidal in part, and Clay; white, tan, and pink, waxy, and Sand; fine-grained, iron stained and cemented, with heavy minerals, 10YR8/2 Dolomitic limestone at 260 - 280' ----------	210	460
Oligocene/ U. Eocene Undif. 460	Limestone: pale grayish-orange, fossiliferous, with pelecypods and foraminifers, 5YR7/1 to 10YR7/2 Pararotalia mexicana, Asterigerina subacuta, Discorbis sp., Nummulites sp. and miliolids at 460 - 470' Lepidocyclina sp. and Sphaerogypsina globula at 470 - 480' ----------	30	490
	Limestone: pale yellowish-brown to pale grayish-orange, dolomitic and saccharoidal, fossiliferous, with fragments of larger foraminifers and echinoids, 10YR6/2 to 10YR7/2 Nummulites panamensis at 510 - 520' ----------	40	530

	Limestone and Dolomite: pale grayish-orange, limestone is fossiliferous, with fragments of echinoids and larger foraminifers, dolomite is saccharoidal, 10YR7/2 Gypsum present at 640 - 700'		
	Lenticulina sp. at 690-700' ----------	170	700
	Limestone: very pale orange, fossiliferous, with abundant bryozoans and larger foraminifers, and gypsum, 10YR8/2		
	Lepidocyclina sp., abundant at 700 - 730' ----------	30	730
	Limestone: very pale orange to pale grayish-orange, and rare Dolomite; light brown, saccharoidal, 10YR8/2 to 10YR7/2		
	Anomalina bilateralis at 730-740'		
	Lepidocyclina sp., echinoids, and bryozoans at 730 - 810'		
	Lenticulina vicksburgensis, Eponides sp., and		
	Nummulites sp. at 770 - 810' ----------	80	810
	Limestone: very pale orange, fossiliferous, with bryozoans and larger foraminifers, 10YR8/2 ----------	130	940
	Sand: pale grayish-red, iron cemented, probably caved material from above, 10R5/2 ----------	10	950
	Limestone: pale grayish-orange, fossiliferous, with pelecypod fragments and larger foraminifers, 10YR7/2 ----------	50	1000

T.D. 1000

WELL NO: GGS 188 ALTITUDE: 282 ft.
WELL NAME: U.S. Gov't #1 Spence Field TOTAL DEPTH: 760 ft.
COUNTY: Colquitt DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene	Sand: moderate orange pink to moderate reddish-orange,		
Undif.	fine-grained, poorly sorted, silty, clayey, par-		
0	tially indurated, 5YR8/4 to 10R6/6 ----------	60	60
	Clay: yellowish-gray to moderate reddish-orange, silty,		
	sandy, partially indurated, 5Y8/1 to 10R6/6 ---------	50	110
	Sand: pinkish-gray, fine-grained, poorly sorted, clayey, silty, partially indurated, with dolomite and chert,		
	5YR8/1 ----------	135	245
Oligocene	Limestone: pinkish-gray, crystalline to pelloidal, with		
Suwannee	chert at certain levels, 5YR8/1		
245	Pararotalia mexicana at 245 to 260'		
	Dictyoconus sp. at 335 to 350' ----------	145	390

		Limestone: very light gray to pinkish-gray, bioclastic to granular, with numerous bryozoa and algal remains, N8 to 5YR8/1		
		Lepidocyclina sp. and Sphaerogypsina sp. throughout	125	515
Upper Eocene Undif. 515		Limestone: white, bioclastic, numerous Lepdiocyclina sp., N9		
		Asterocyclina sp. at 515 to 530'	55	570
		Dolomite: brownish-gray to yellowish-gray, crystalline, Gypsum; platy to fibrous, Limestone; fine-grained, dolomitic, 5YR6/1 to 5Y8/1	190	760

T.D. 760

WELL NO: GGS 688 ALTITUDE: 330 ft.
WELL NAME: S. Georgia Water Co. TOTAL DEPTH: 700 ft.
COUNTY: Colquitt DESCRIBED BY: Vaux Owen, Jr. and C. W. Sever

SUMMARY:

THIS REPORT	OWEN AND SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Miocene to Pliocene Series 0	Sand: pale red, fine- to very coarse-grained, poorly sorted, subangular clear and milky quartz, with abundant silt and clay, 5R6/2	3	3
Miocene Altamaha(?) 3		Clay: pale red to pale yellowish-brown, Silt and Sand; fine- to coarse-grained, poorly sorted quartz, accessory iron minerals common, 5R6/2 to 10YR6/2	22	25
Miocene Hawthorne Undif. 25		Sand: yellowish-gray to light olive gray, very fine- to coarse-grained, poorly sorted, subrounded to subangular, clear and milky quartz, with Clay; light gray to greenish, and Limestone; sandy, dark accessory minerals common 5Y7/2 to 5Y6/1	82	107
	Miocene Series 107	Clay: yellowish-gray, silty, and Sand; very fine- to fine-grained quartz, 5Y7/2	33	140
		Sand: yellowish-gray to light olive gray, very fine- to fine-grained with medium and coarse grains common, moderately sorted, subangular to subrounded clear quartz, argillaceous, silty, phosphatic, with dark accessory minerals common, 5Y7/2 to 5Y6/1	150	290
		Limestone: light olive gray, microcrystalline, with abundant Sand; very fine- to fine-grained quartz, 5Y6/1	5	295

Sand: light olive gray, very fine- to fine-grained, moderately sorted, subangular, clear quartz, silty, clayey, with abundant dark accessory minerals, 5Y6/1	22	317
Sand: light olive gray to yellowish-gray, very fine- to coarse-grained, poorly sorted, subangular, clear quartz, and Limestone; microcrystalline fragments, sandy, argillaceous, with dark accessory minerals common, 5Y6/1 to 5Y8/1	78	395
Clay: light olive gray to dark greenish-gray, calcareous, with Limestone; microcrystalline, and Sand; very fine- to coarse-grained quartz, 5Y6/1 to 5GY4/1	14	409
Limestone: light olive gray to yellowish-gray, microcrystalline and Sand; very fine- to coarse-grained, poorly sorted, subangular, clear quartz, argillaceous, accessory garnet common, 5Y6/1 to 5Y8/1	36	445
Sand: light olive gray, very fine- to coarse-grained, poorly sorted, subangular, clear quartz, and Limestone; sandy, argillaceous, with poorly preserved molds and casts of shells common, accessory phosphate, garnet, and pyrite common, 5Y6/1	48	493
Limestone: light olive gray, microcrystalline, with poorly preserved casts and molds of shells common, and Sand; very fine- to coarse-grained, poorly sorted, subangular, clear quartz, argillaceous, 5Y6/1	30	523
No samples	177	700

T.D. 700 T.D. 700

WELL NO: GGS 767 ALTITUDE: 312 ft.
WELL NAME: Matthews Brothers Farm TOTAL DEPTH: 555 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Clay: mottled (pale green to tan to buff), blocky, sandy, with interbedded Sand; fine- to coarse-grained, subangular to subrounded grains	55	55
		Lithology as above: but clay is dark brownish-green	35	90
		Lithology as above: with some interbedded Limestone; white to light brown, saccharoidal, sandy	120	210
		Limestone: cream to light brown, saccharoidal, sandy, fossiliferous at certain levels, with some interbedded Clay and Sand; as above Molds and impressions of molluscan shells at 340 - 350'	205	415

Oligocene Undif. 415	Oligocene Suwannee 415	Limestone: brownish-gray to dark brown, some is cream-colored, saccharoidal, somewhat porous, fossiliferous at certain levels, with foraminifers Miliolids, Nonion advenum, Asterigerina subacuta at 445 - 455' Nummulites panamensis at 475 - 485' ----------	140	555
T.D. 555	T.D. 555			

WELL NO: GGS 785 ALTITUDE: 280 ft.
WELL NAME: Ben Taylor TOTAL DEPTH: 267 ft.
COUNTY: Colquitt DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene to Pliocene Series 0	Sand: mottled white to moderate red, medium- to very coarse-grained, poorly sorted, subangular quartz, argillaceous, with accessory iron minerals, 5R4/6 ----------	10	10
		Sand: mottled white to moderate red to dark yellow orange, medium-grained with coarse grains common, moderately sorted, subangular quartz, accessory iron minerals common, 5R4/6 to 10YR6/6 ----------	30	40
Miocene Hawthorne Undif. 40	Miocene Series 40	Clay: yellowish-gray to light brownish-gray, and Sand; fine-grained, well sorted, subangular quartz, very slightly calcareous, 5Y8/1 to 5YR6/1 ----------	10	50
		Sand: white to light greenish-gray, medium- to coarse-grained, poorly sorted, subrounded quartz, argillaceous, with sparse calcareous fragments, 5GY8/1 —-	10	60
		Sand: white to yellowish-gray, fine-grained, well sorted, subangular to subrounded quartz, with calcareous cement, argillaceous, chert abundant at top of interval, 5Y8/1 ----------	105	165
Miocene Chattahoochee 165		Limestone: light brownish-gray, sandy, dolomitic, recrystallized, with rare foraminifers, 5YR6/1 Sorites sp., and Archais (?) sp. at 190' ----------	45	210
Oligocene Suwannee 210	Oligocene Suwannee 210	Limestone: white, recrystallized, with poorly preserved foraminifers common, chert abundant ----------	5	215
		Limestone: white, somewhat recrystallized, with abundant foraminifers Pararotalia mexicana mecatepecensis at 215-220' -----	40	255
		No samples ----------	12	267
T.D. 267	T.D. 267			

WELL NO: GGS 786 ALTITUDE: 266 ft.
WELL NAME: H. W. Lanier TOTAL DEPTH: 254 ft.
COUNTY: Colquitt DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene to Pliocene Series 0	Sand: white to dark yellowish-orange to moderate-red, fine- to very coarse-grained, poorly sorted, angular quartz, argillaceous, 10YR6/6 to 5R4/6 ----------	10	10
		Sand: white to moderate red, medium-grained with coarse grains common, moderately sorted, subangular quartz, 5R4/6 ----------	20	30
Miocene Hawthorne Undif. 30	Miocene Series 30	Sand: yellow gray to moderate red, fine- to medium-grained, moderately sorted, subangular quartz, argillaceous, with varying amounts of limestone; sandy, accessory dark metallic fragments abundant at bottom of interval, 5Y7/2 to 5R4/6 ----------	50	80
		Clay: white to yellow gray to moderate red, sandy, calcareous, with chert at bottom of interval, 5Y7/2 to 5R4/6 ----------	15	95
Miocene Chattahoochee 95		No samples ----------	25	120
		Limestone: white to grayish yellow, sandy, dolomitic, with molds and casts of megafossils common, 5Y8/1 ---	45	165
Oligocene Suwannee 165	Oligocene Suwannee 165	Limestone: white, microcrystalline, recrystallized, with abundant foraminifers <u>Pararotalia mexicana mecatepecensis</u> at 165-170' -----	5	170
		No samples ----------	10	180
		Limestone: white, granular, abundantly fossiliferous, with chert at top of interval ----------	70	250
		No samples ----------	4	254
T.D. 254	T.D. 254			

WELL NO: GGS 848 ALTITUDE: 282 ft.
WELL NAME: Ed Lewis #1 TOTAL DEPTH: 494 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic, with some interbedded Sand; fine-grained, subangular to subrounded grains	55	55
		Clay: pale green, sandy, phosphatic at depth, with increasing amounts of interbedded Limestone; cream to brown (latter at depth), saccharoidal, sandy	175	230
		Limestone: cream to light brown, saccharoidal, sandy, with some interbedded Clay and Sand; as above	120	350
Oligocene Undif. 350	Oligocene Suwannee 350	Limestone: cream to light brown, saccharoidal, fossiliferous, with some foraminifers <u>Pararotalia mexicana</u> var. at 350 - 360' <u>Dictyoconus</u> sp., <u>Lepidocyclina</u> sp. at 425 - 445'	135	485
		No samples	9	494
T.D. 494	T.D. 494			

WELL NO: GGS 870 ALTITUDE: 238 ft.
WELL NAME: W. W. Allman #1 TOTAL DEPTH: 500 ft.
COUNTY: Colquitt DESCRIBED BY: S. M . Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic	80	80
In Miocene Hawthorne Undif. 80		Clay: brownish-gray, silty	320	400
Oligocene Suwannee 400	Oligocene Suwannee 400	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers <u>Pararotalia mexicana</u> var., <u>Asterigerina subacuta</u> at 400 - 440'	100	500
T.D. 500	T.D. 500			

WELL NO: GGS 877 ALTITUDE: 352 ft.
WELL NAME: W. M. Brooks TOTAL DEPTH: 930 ft.
COUNTY: Colquitt DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	700	700
In Oligocene Undif. 700	Limestone: light olive-gray to very pale orange, dolomitic, very fossiliferous, with echinoid and bryozoan fragments, and foraminifers, sandy, pyritic, micaceous, 5Y6/1 to 10YR8/2 Pararotalia mexicana at 700-710'	10	710
	Limestone: very pale orange, dolomitic, with fine-grained, euhedral dolomite rhombs, sandy, slightly phosphatic, pyritic, fossiliferous, with echinoid and bryozoan fragments, and foraminifers, 10YR8/2 Lepidocyclina sp. at 710-720'	40	750
	Dolomite: light yellowish-gray, saccharoidal, with poorly preserved foraminifers, and Sand; fine-grained, well sorted, with trace of pyrite, rare fish teeth, 5Y8/2	20	770
	Clay: light olive-gray to yellowish-gray, calcareous, sandy, slightly dolomitic, and Sand; iron stained and cemented, poorly sorted, with heavy minerals, and Limestone; very fossiliferous, with echinoid fragments, 5Y6/1 to 5Y7/2	30	800
	Limestone: very pale orange to light yellowish-gray, very fossiliferous, with fragments of pelecypods, echinoids, and bryozoans, and foraminifers, and Dolomite; finely sucrosic, and Sand; sparse, with pyrite, trace of heavy minerals, 10YR8/2 to 5Y9/1 Nodosaria sp. at 820-830' Sphaerogypsina sp., Nummulites sp. at 830-840'	50	850
	Limestone: very pale orange to yellowish-gray, dolomitic, pyritic, glauconitic (glauconite in both granular and disseminated forms) very fossiliferous, with macroshell fragments and echinoid remains, and foraminifers, heavy minerals and chert at certain levels, 10YR8/2 to 5Y9/1 Dentalina sp. at 870-880' Lenticulina vicksburgensis, Cibicides cookei, Anomalina bilateralis, Siphonina sp., Planulina cocoaensis, Bulimina sculptilis, Uvigerina jacksonensis. Uvigerina cf. vicksburgensis, Uvigerina cocoaensis, Globigerina eocaena, Eponides sp. at 898-900'	70	920
	No samples	10	930

T.D. 930

WELL NO: GGS 1018 ALTITUDE: 235 ft.
WELL NAME: F. E. Kilgore #1 TOTAL DEPTH: 222 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	95	95
In Miocene Hawthorne Undif. 95	In Miocene Undif. 95	Limestone: white, saccharoidal, sandy, cherty at depth, with some interbedded Clay; sandy	50	145
Oligocene Suwannee 145	Oligocene Suwannee 145	Limestone: gray, saccharoidal, fossiliferous, with some foraminifers Pararotalia mexicana var. at 145 - 150'	10	155
		Not examined	67	222
T.D. 222	T.D. 222			

WELL NO: GGS 1242 ALTITUDE: 279 ft.
WELL NAME: Eugene Gay TOTAL DEPTH: 426 ft.
COUNTY: Colquitt DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined	200	200
In Miocene Hawthorne Undif. 200	Sand: fine-grained in limestone matrix, microcrystalline, dull, white	10	210
	Limestone: slightly arenaceous, with rare greenish argillaceous limestone intraclasts; sparsely micaceous	30	240
Oligocene Undif. 240	Limestone: recrystallized, appears to have relict bioclasts	20	260
	Limestone: recrystallized, bioclastic, well cemented, tough Pararotalia mexicana (rare) at 260 - 270'	10	270
	No samples	156	426
T.D. 426			

WELL NO: GGS 1243 ALTITUDE: 365 ft.
WELL NAME: D. E. Smith TOTAL DEPTH: 350 ft.
COUNTY: Colquitt DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined	190	190
In Miocene Hawthorne Undif. 190	Sand: fine-grained, and Clay; gray, unconsolidated, with fragments of chert	10	200
	Sand, Clay, and Limestone: limestone shows relict bioclastic texture, slightly arenaceous to sand-free	10	210
	Limestone: as in 200 - 210'	10	220
	Sand: fine-grained, and Dolomite; arenaceous	10	230
	Sand: fine- to medim-grained, and Dolomite; arenaceous and Clay; greenish gray, sparsely micaceous	10	240
	Sand: medium- to coarse-grained Very coarse sand at 250 - 260'	30	270
	Limestone: arenaceous, micritic matrix	10	280
	Limestone: bluish, dolomitic, arenaceous, contains worn foraminifers (sparse) in matrix	10	290
Oligocene Undif. 290	Limestone: dense, recrystallized, bioclastic	10	300
	No samples	50	350

T.D. 350

WELL NO: GGS 1246 ALTITUDE: 291 ft.
WELL NAME: Griffin #1 TOTAL DEPTH: 495 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic	30	30
In Miocene Hawthorne Undif. 30		Clay: brownish-gray, sandy	50	80
		Clay: as above, but phosphatic at depth, with some interbedded Limestone; white to light brown, saccharoidal, sandy, cherty	100	180

		Lithology as above: but predominantly Limestone	60	240
		Lithology as above: with Clay; dark brownish-green, and Limestone; fossiliferous at depth, with molds and impressions of molluscan shells	120	360
		Dolomitic Rock: gray to brown, saccharoidal, sandy, with some interbedded Clay; as above	80	440
Oligocene Undif. 440	Oligocene Suwannee 440	Limestone: gray, becoming cream at depth, nodular, saccharoidal, fossiliferous, with foraminifers Miliolids, Nonion advenum, Pararotalia bryamensis(?) at 440 - 450'	55	495
T.D. 495	T.D. 495			

WELL NO: GGS 1248 ALTITUDE: 310 ft.
WELL NAME: O. C. Causey #1 TOTAL DEPTH: 625 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic	20	20
In Miocene Hawthorne Undif. 20		Sand: fine- to coarse-grained, subangular to subrounded grains	10	30
		Clay: pale to dark brownish-green, blocky, sandy, with some interbedded Sand; as above	60	90
		Lithology as above: but with some interbedded Limestone; cream to light brown, saccharoidal, sandy	250	340
		Lithology as above: but predominantly Limestone; as above, fossiliferous at depth, Molds and impressions of molluscan shells at 390 - 400'	90	430
Oligocene Undif. 430	Oligocene Suwannee 430	Limestone: gray to cream to light brown, saccharoidal, fossiliferous at certain levels, with foraminifers Pararotalia mexicana var. at 445 - 447' Lepidocyclina undosa at 465 - 470' Nummulites panamensis at 545 - 550'	120	550
		Dolomitic Rock: dark brown, saccharoidal	75	625
T.D. 625	T.D. 625			

WELL NO: GGS 1256 ALTITUDE: 299 ft.
WELL NAME: J. S. Pinkard #1 TOTAL DEPTH: 545 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic	20	20
In Miocene Hawthorne Undif. 20		Clay: pale green, sandy	70	90
		Clay: as above, with interbedded Limestone; cream, saccharoidal, sandy, phosphatic at depth	140	230
		Limestone: light to dark brown, with some cream, saccharoidal, sandy, with some interbedded Clay; as above	130	360
		Limestone: dark brown, saccharoidal, sandy, with some interbedded Clay; dark brownish-green, silty	90	450
Oligocene Undif. 450	Oligocene Suwannee 450	Limestone: dark brown, somewhat nodular, saccharoidal, sparsely fossiliferous at certain levels, with occasional foraminifers Sphaerogypsina globula at 460 - 470' Lepidocyclina undosa at 500 - 510'	95	545
T.D. 545	T.D. 545			

WELL NO: GGS 1260 ALTITUDE: 305 ft.
WELL NAME: Bridgeport Brass Co. #1 TOTAL DEPTH: 579 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Sand: fine-to coarse-grained, subangular to subrounded grains, with some interbedded Clay; pale green, sandy, limonitic	30	30
		Clay: pale to dark brownish-green, sandy, interbedded at depth with Limestone; cream to brown, saccharoidal, sandy	270	300
		Lithology as above: with Limestone predominating	133	433
		Dolomitic Rock: dark brown, saccharoidal, sandy	7	440

Oligocene Suwannee 440	Oligocene Suwannee 440	Limestone: cream, somewhat nodular, sacchaoridal, fossiliferous, with foraminifers Miliolids at 440 - 445'	20	460
		No samples	5	465
		Dolomitic Rock: dark brown, nodular, saccharoidal, fossiliferous, with foraminifers Miliolids, Asterigerina subacuta, Pararotalia mexicana var., Lepidocyclina sp., Sphaeroqypsina globula at 465 - 470' Dictyoconus sp., Nummulites panamensis, Lepidocyclina undosa at 470 - 475'	95	560
		No samples	19	579
T.D. 579	T.D. 579			

WELL NO: GGS 1268
WELL NAME: J. C. Boyd #1
COUNTY: Colquitt
ALTITUDE: 315 ft.
TOTAL DEPTH: 540 ft.
DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: mottled, pale green with red streaks, blocky, sandy, limonitic	40	40
In Miocene Altamaha 40		Sand: coarse-grained, subangular to subrounded grains, arkosic	40	80
In Miocene Hawthorne Undif. 80		Clay: pale to dark brownish-green, sandy	80	160
		Clay: as above, with some interbedded Limestone; cream to brown, saccharoidal, sandy	230	390
		Limestone: cream to light brown, saccharoidal, sandy, with some interbedded Clay; as above	40	430
		Dolomitic Rock: gray to brown, saccharoidal, sparsely phosphatic, somewhat porous, sandy	30	460
Oligocene Suwannee 460	Oligocene Suwannee 460	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var., Asterigerina subacuta at 460 - 470' Nummulites panamensis, Lepidocyclina undosa at 470 - 480'	80	540
T.D 540	T.D. 540			

WELL NO: GGS 1416 ALTITUDE: 270 ft.
WELL NAME: L. Dorminey #1 TOTAL DEPTH: 340 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	80	80
In Miocene Hawthorne Undif. 80	In Miocene Undif. 80	Clay: white to dark brownish-green, sandy, with some interbedded Sand; fine- to medium-grained, subangular to subrounded grains	90	170
		Lithology as above: with some interbedded Limestone; white, saccharoidal, sandy	70	240
		Limestone: gray to cream, dense, saccharoidal, sandy	20	260
		Dolomitic Rock: dark brown, saccharoidal, sandy	10	270
Oligocene Suwannee 270	Oligocene Suwannee 270	Limestone: gray, nodular, saccharoidal, fossiliferous, with foraminifers *Pararotalia mexicana* var. at 270 - 280'	30	300
		No samples	40	340
T.D. 340	T.D. 340			

WELL NO: GGS 1419 ALTITUDE: 307 ft.
WELL NAME: Mrs. R. L. Millings #1 TOTAL DEPTH: 850 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		No samples	220	220
In Miocene Hawthorne Undif. 220	In Miocene Undif. 220	Clay: dark brownish-green, blocky, sandy, with some interbedded Limestone; cream to light brown, saccharoidal, sandy, fossiliferous at depth, with molds and impressions of molluscan shells and occasional foraminifers		
		Molds and impressions of molluscan shells, *Sorites* sp. at 260 - 265'	255	475

Oligocene Undif. 475	Oligocene Suwannee 475	Dolomitic Rock: dark brown, somewhat porous, saccharoidal, sparsely fossiliferous, Fish teeth at 510 - 515'	140	615
	Oligocene-U. Eocene Undif. 615	Dolomitic Rock: as above, with some interbedded Marl (or soft Limestone?); cream, fossiliferous at certain levels, with foraminifers Lenticulina alato-limbata, Siphonina advena, Anomalina umbonata, Cibicides cf. cookei at 630 - 635' Nummulites sp., Lepidocyclina sp. at 725 - 735'	120	735
	M. Eocene? Undif. 735	Sand: fine- to medium-grained, subangular to subrounded grains	35	770
		Limestone: cream, saccharoidal, fossiliferous, with some foraminifers, with some interbedded Sand; as above Nummulites sp., Lepidocyclina sp. at 770 -775'	50	820
		No samples	30	850
T.D. 850	T.D. 850			

WELL NO: GGS 1455 ALTITUDE: 355 ft.
WELL NAME: D. C. Smith #1 TOTAL DEPTH: 380 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	200	200
In Miocene Hawthorne Undif. 200	In Miocene Undif. 200	Limestone: cream to light brown, saccharoidal, sandy	80	280
Oligocene Undif. 280	Oligocene Suwannee 280	Limestone: light brown, nodular, saccharoidal, fossiliferous, with foraminifers Quinqueloculina sp., Nummulites panamensis, Pararotalia mexicana var., Lepidocyclina undosa at 280 - 290'	100	380
T.D. 380	T.D. 380			

WELL NO: GGS 1467 ALTITUDE: 290 ft.
WELL NAME: J. L. Holman #1 TOTAL DEPTH: 550 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Sand: fine- to coarse-grained, subangular to subrounded grains, with some interbedded Clay; brownish-gray, silty, carbonaceous, limonitic	10	10
		Clay: mottled, sandy	20	30
		Clay: pale green to brownish-gray, sandy, phosphatic at depth	140	170
		Clay: dark brownish-green, blocky, with some interbedded Limestone; cream, saccharoidal, sandy	60	230
		Lithology as above: but predominantly Limestone; cream to light brown, saccharoidal, sandy	130	360
		Limestone: as above, but fossiliferous at depth, with molds and impressions of molluscan shells, with interbedded Clay; brown to bluish-green, laminated, finely micaceous	80	440
Oligocene Undif. 440	Oligocene? Suwannee 440	Limestone: brown, much calcitized and saccharoidal, and interbedded Clay; as above	35	475
	Oligocene Suwannee 475	Limestone: cream to brown, nodular, saccharoidal, sparsely fossiliferous, with occasional foraminifers Miliolids at 475 - 500'	25	500
		No samples	50	550
T.D. 550	T.D. 550			

WELL NO: GGS 1614 ALTITUDE: 330 ft.
WELL NAME: Frank Mashburn #1 TOTAL DEPTH: 530 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic, with some interbedded Sand; fine- to coarse-grained, subangular to subrounded grains	40	40
		Clay: dark brownish-green, sandy, phosphatic at depth	230	270
		Clay: as above, with some interbedded Limestone; white, saccharoidal, sandy, cherty at depth	40	310
		Lithology as above: but predominantly Limestone; cream to light brown, saccharoidal, sandy, phosphatic, fossiliferous at depth, with molds and impressions of molluscan shells	170	480
Oligocene Undif. 480	Oligocene Suwannee 480	Limestone: cream, nodular, saccharoidal, fossiliferous, with some bryozoan remains and foraminifers Amphistegina(?) sp., Sphaerogypsina globula at 480 - 490' Lepidocyclina sp. at 490 - 500' Nummulites panamensis at 510 - 520'	40	520
		Dolomitic Rock: brown, saccharoidal	10	530
T.D. 530	T.D. 530			

WELL NO: GGS 1617 ALTITUDE: 355 ft.
WELL NAME: I. J. Sikes #1 TOTAL DEPTH: 620 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	180	180
In Miocene Hawthorne Undif. 180	In Miocene Undif. 180	Clay: pale to dark brownish-green, with some interbedded Limestone; white, saccharoidal, sandy	280	460
Oligocene Undif. 460	Oligocene Suwannee 460	Limestone: gray to brown, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var., Lepidocyclina undosa at 480 - 490' Nummulites panamensis at 520 - 530'	160	620
T.D. 620	T.D. 620			

WELL NO: GGS 1620 ALTITUDE: 328 ft.
WELL NAME: J. Q. Davis TOTAL DEPTH: 365 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic	30	30
In Miocene Hawthorne Undif. 30		Clay: pale green, becoming dark brownish-green at depth, with some interbedded Sand; fine- to coarse-grained, subangular to subrounded grains, arkosic	120	150
		Lithology as above: with some interbedded Limestone; white, saccharoidal, sandy	50	200
		Lithology as above: but predominantly Limestone; cream to light brown, saccharoidal, sandy	80	280
Oligocene Undif. 280	Oligocene Suwannee 280	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers Nummulites panamensis, Pararotalia mexicana var., Lepidocyclina undosa at 280 - 290'	85	365
T.D. 365	T.D. 365			

WELL NO: GGS 1649 ALTITUDE: 328 ft.
WELL NAME: I. D. Carlton TOTAL DEPTH: 570 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic, with interbedded Sand; fine- to coarse-grained, subangular to subrounded grains, arkosic	40	40
		Clay: as above, with some interbedded Siltstone; gray to brownish-gray	80	120
		Lithology as above: with some interbedded Limestone; cream to light brown, saccharoidal, sandy	220	340
		Lithology as above: but predominantly Limestone; as above, but fossiliferous at depth, with molluscan shells	100	440

Oligocene		No samples	30	470
Undif.	Oligocene	Limestone: as above, but fossiliferous, with forami-		
440	Suwannee	nifers		
	470	Asterigerina subacuta, Lepidocyclina undosa at		
		470'	70	540
		No samples	30	570
T.D. 570	T.D. 570			

WELL NO: GGS 1910 ALTITUDE: 332 ft.
WELL NAME: Dean and Gene Arnett TOTAL DEPTH: 810 ft.
COUNTY: Colquitt DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Miocene	Clay: red, yellow, and white, with Sand; iron stained,		
Hawthorne	5YR6/4	30	30
Undif.	Clay: purple and buff-colored, waxy, and Sand; somewhat		
0	iron stained, with rare muscovite	70	100
	Sand: grayish-orange, fine- to very fine-grained, phos-		
	phatic, 10YR7/2		
	Chert present at 110-120'		
	Sponge spicules present at 120-130'	30	130
	Sand and Clay: very pale orange to grayish-orange, sand		
	is fine- to very fine-grained, calcareous, rarely		
	micaceous, clay is gray to green, with rare chert,		
	10YR8/2 to 10YR7/4	80	210
	Sand and Clay: yellowish-gray to greenish-gray, sand is		
	fine-grained, with calcite cement, clay is pure to		
	sandy, and Limestone; yellowish-gray, sandy, 5Y8/1		
	to 5GY6/1	80	290
	Limestone: yellowish-gray to light olive-gray, sandy,		
	fossiliferous, with pelecypod fragments, worm tubes,		
	and gastropods, and Sand; fine-grained, with calcite		
	cement, rare muscovite, 5Y8/1 to 5Y6/1	110	400
	Sand: light olive-gray, fine to very coarse-grained, to		
	pebbly, argillaceous, with muscovite and phosphate		
	grains, and Limestone; sandy, 5Y6/1	30	430
	No samples	190	620
	Clay: very dark greenish-gray, calcareous, phosphatic,		
	5G3/1	140	760
	No samples	50	810
T.D. 810			

WELL NO: GGS 1911 ALTITUDE: 235 ft.
WELL NAME: V. Eugene Clark #1 TOTAL DEPTH: 250 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	90	90
In Miocene Chattahoochee 90	In Miocene Undif. 90	Limestone: cream to light brown, saccharoidal, sandy, with some interbedded Clay; pale green, sandy	10	100
Oligocene Suwannee 100	Oligocene Suwannee 130	No samples	30	130
		Limestone: gray to light brown, nodular, saccharoidal, cherty, fossiliferous, with some foraminifers	60	190
		No samples	60	250
T.D. 250	T.D. 250			

WELL NO: GGS 1918 ALTITUDE: 338 ft.
WELL NAME: W. H. Sinclair #1 TOTAL DEPTH: 702 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	296	296
In Miocene Hawthorne Undif. 296	In Miocene Undif. 296	Clay: dark brownish-green, blocky, sandy, with some interbedded Limestone; cream to light brown, saccharoidal, sparsely fossiliferous, with molds and impressions of molluscan shells	286	582
Oligocene Undif. 582	Oligocene Suwannee 582	Limestone: light brown to cream, saccharoidal, somewhat loosely consolidated and granular, sparsely fossiliferous, with occasional foraminifers Pararotalia mexicana var. at 582 - 602' Pararotalia mexicana var., Lepidocyclina undosa at 682 - 702'	120	702
T.D. 702	T.D. 702			

WELL NO: GGS 1922 ALTITUDE: 239 ft.
WELL NAME: Sam Rentz #1 TOTAL DEPTH: 267 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		No samples	60	60
In Miocene Hawthorne Undif. 60	In Miocene Undif. 60	Clay: dark brownish-green, sandy, with some interbedded Sand; fine- to coarse-grained, subangular to subrounded grains, and Limestone; white, saccharoidal, sandy	130	190
		Limestone: light brown to gray, saccharoidal, sandy, with some interbedded Clay and Sand; as above	60	250
Oligocene Suwannee(?) 250	Oligocene Suwannee 250	Limestone: gray to brownish-gray, dense, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var. at 250 - 267'	17	267
T.D. 267	T.D. 267			

WELL NO: GGS 1943 ALTITUDE: 358 ft.
WELL NAME: D. C. Dorminey #1 TOTAL DEPTH: 240 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Miocene Undif. 0	Clay: mottled, sandy, with interbedded Sand; fine- to coarse-grained, subangular to subrounded grains	44	44
Miocene Hawthorne Undif. 44		Clay: pale green to brownish-gray, sandy, interbedded at depth with Limestone; white, saccharoidal, sandy	110	154
		Lithology as above: but predominantly Limestone	22	176
Oligocene Undif. 176	Oligocene Suwannee 176	Limestone: gray to white, saccharoidal, fossiliferous, with foraminifers Quinqueloculina sp., Pararotalia mexicana var. at 176 - 188'	64	240
T.D. 240	T.D. 240			

WELL NO: GGS 1952 ALTITUDE: 332 ft.
WELL NAME: Roger Dunn TOTAL DEPTH: 1017 ft.
COUNTY: Colquitt DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: moderate red, fine-grained, moderately sorted, silty, partially indurated, 5R5/4	44	44
Miocene Hawthorne Undif. 44	Clay: yelowish-gray, sandy, silty, with chert, rare burrows and sponge spicules, 5Y7/2	94	138
	Sand: pinkish-gray to yellowish-gray, fine-grained, poorly sorted, clayey, silty, phosphatic, dolomitic, cherty, with rare sponge spicules, 5YR8/1 to 5Y7/2	192	330
	Dolomite: light gray, fine-grained, sandy, calcareous, Clay; sandy silty, micaceous, N7	192	522
	Clay: light gray, dense, fissile, micaceous, Dolomite; fine-grained, N7	100	622
Oligocene Undif. 622	Limestone: light gray, pelletoidal, Dolomite; crystalline, saccharoidal, N7 Pararotalia mexicana at 662 - 682'	386	1008
	No samples	9	1017

T.D. 1017

WELL NO: GGS 1964 ALTITUDE: 324 ft.
WELL NAME: W. L. Gibbs TOTAL DEPTH: 522 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	200	200
In Miocene Hawthorne Undif. 200	In Miocene Undif. 200	Clay: dark brownish-green, sandy, with interbedded Limestone; white to light brown (latter phosphatic at depth), sandy, saccharoidal	282	482
Oligocene Undif. 482	Oligocene Suwannee 482	Limestone: gray, nodular, saccharoidal, fossiliferous, with foraminifers Miliolids, Pararotalia mexicana var., Sphaerogypsina globula at 482 -502'	40	522
T.D. 522	T.D. 522			

WELL NO: GGS 1965 ALTITUDE: 359 ft.
WELL NAME: Deford Summerlain TOTAL DEPTH: 482 ft.
COUNTY: Colquitt DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Sand: pale red, with pebbles, and Clay	44	44
	Sand: fine- to coarse-grained, with clay matrix	44	88
	Sand: fine- to medium-grained, and Clay; unconsolidated, calcareous (slightly)	22	110
	Limestone: finely sandy, dolomitic	66	176
	Limestone: finely sandy, argillaceous, tough, dense	66	242
	Limestone: white, sandy, micritic, friable, dull	22	264
	Dolomite: bluish-gray, very fine-grained, sandy, micaceous, pyritic, with rare phosphate grains	22	286
	Limestone: light gray, sandy, somewhat consolidated	22	308
	Limestone: bluish-gray, dolomitic, sandy, micaceous, pyritic, with phosphate grains Macroshells, crab claws, fish teeth at 308-374'	110	418
	Clay: dark bluish-gray, sandy, calcareous, micaceous, with Limestone; as above, and phosphate grains Plagioclase feldspar at 440-462'	44	462
	Limestone: dolomitic intraclasts in sandy matrix, with some Limestone; non-sandy, with relict bioclastic texture, and Clay	20	482

T.D. 482

WELL NO: GGS 1968 ALTITUDE: 318 ft.
WELL NAME: C. Murphy TOTAL DEPTH: 800 ft.
COUNTY: Colquitt DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Sand: yellowish- to grayish-orange to grayish-yellow, very fine- to coarse-grained, feldspathic, iron stained, with heavy minerals and rare lignite, and Clay; white, sandy, iron stained, with sponge spicules, 10YR8/4-10YR7/4 to 5Y8/4	130	130
	Sand: grayish-yellow, fine-grained, poorly sorted, iron stained, with heavy minerals, and phosphate grains, and Clay; as above, 5Y8/4	10	140
	No samples	10	150
	Same as 130-140' above	10	160

	Limestone: yellowish-gray, chalky, argillaceous, pyritic, with phosphate grains (phosphate decreases at depth) and Clay; very light olive-gray, indurated, with calcareous cement, and Chert; tan to light gray, and Sand; fine-grained, moderately sorted, with heavy minerals, 5Y8/1		
	Ammonia beccarii at 160-170' ----------	70	230
	Clay: yellowish-gray, indurated, with calcareous cement, sandy, iron stained in part, and Dolomite; sparse, iron stained; 5Y8/1 ----------	20	250
	Sand: yellowish-gray, very fine- to medium-grained, moderately sorted, indurated, with calcareous cement, argillaceous, with iron concretions and heavy minerals, traces of phosphate, lignite, and muscovite, 5Y8/1 ----------	140	390
	Limestone: light olive-gray, chalky, argillaceous, sandy, and Dolomite; golden brown, saccharoidal, heavy minerals, phosphate grains, rare lignite and muscovite, 5Y7/1 ----------	50	440
Oligocene Undif. 440	Sand: light olive-gray, fine- to medium-grained, moderately to well sorted, with heavy minerals, and Limestone; porous, dolomitic, sandy, fossiliferous, with poorly preserved echinoid spines(?) and foraminifers, and Dolomite; golden brown, saccharoidal, 5Y6/1		
	Asterigerina subacuta at 440-450'		
	Miogypsina sp., Nonion advenum(?) Pararotalia cf. byramensis at 470-480' ----------	40	480
	Dolomite: light yellowish-gray to very light olive-gray, very porous (recrystallized coquina ?); saccharoidal, and Limestone; light yellowish-gray, coquinoid, with fragments of bryozoans and echinoids, and algal remains, and Sand; fine- to medium-grained, poorly to moderately sorted, with a trace of heavy minerals and lignite, 5Y8/2 to 5Y6/2		
	Miliolids, algal remains, crab carapace(?), bryozoan fragments, Discorbis sp., Pararotalia mexicana, Nonion advenum at 480-490'		
	Nummulites sp., Pyrgo sp., Lepidocyclina sp. at 500-510'		
	Nummulites panamensis at 530-540' ----------	170	650
	Limestone: very pale orange, porous, coquinoid texture, very fossiliferous, with bryozoans and foraminifers, and Dolomite; fine-grained, euhedral, rhombic, and Sand; fine- to coarse-grained, poorly to moderately sorted, sparse, with rare heavy minerals,		
	Lenticulina arcuato-striata, Eponides byramensis, Melonis affinis, Siphonina sp. at 650-660'		
	Cibicides cookei at 680-690'		
	Cibicides mississippiensis at 700-710' ----------	100	750
	Dolomite: very pale orange, porous, finely saccharoidal, fossiliferous, with echinoid and bryozoan fragments, and foraminifers, and Chert, 10YR8/2 ----------	10	760
	Same as 650-750' above, with Chert; tan, translucent, 10YR8/2		
	Discorbis sp., Anomalina bilateralis, Planulina cocoaensis at 770-780' ----------	40	800

T.D. 800

WELL NO: GGS 1975 ALTITUDE: 350 ft.
WELL NAME: Ralph McLure #1 TOTAL DEPTH: 250 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	90	90
In Miocene Hawthorne Undif. 90	In Miocene Undif. 90	Clay: brownish-gray, sandy, interbedded at depth with Limestone; white, saccharoidal, sandy	80	170
		Sand: coarse-grained, subangular to subrounded grains, with interbedded Clay and Limestone; as above	10	180
		Lithology as above, but predominantly Limestone	50	230
Oligocene Undif. 230	Oligocene Suwannee 230	Limestone: white, nodular, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var. at 230 - 240'	20	250
T.D. 250	T.D. 250			

WELL NO: GGS 2043 ALTITUDE: 365 ft.
WELL NAME: Doris Holloway Deberry #1 TOTAL DEPTH: 640 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	90	90
In Miocene Hawthorne Undif. 90	In Miocene Undif. 90	Clay: pale brownish-green, blocky, sandy, with some interbedded Sand; fine- to medium-grained, subangular to subrounded grains	110	200
		Clay: as above, with some interbedded Limestone; white, saccharoidal, sandy	50	250
		Limestone: as above, with some interbedded Clay and Sand; as above	200	450
		Dolomitic Rock: brown, saccharoidal, sandy	20	470
Oligocene Undif. 470	Oligocene Suwannee 470	Limestone: cream to light brown, nodular, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var., Lepidocyclina sp. at 490 - 510'		
		Lepidocyclina undosa at 580 - 600'	170	640
T.D. 640	T.D. 640			

WELL NO: GGS 2094 ALTITUDE: 338 ft.
WELL NAME: M. L. Passmore #1 TOTAL DEPTH: 285 ft.
COUNTY: Colquitt DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	95	95
In Miocene Hawthorne Undif. 95	In Miocene Undif. 95	Clay: brownish-gray, to dark brownish-green at depth, with some interbedded Limestone; cream, saccharoidal, sandy	105	200
		Lithology as above: but predominantly Limestone	60	260
Oligocene Undif. 260	Oligocene Suwannee 260	Limestone: light brown, saccharoidal, fossiliferous, with some foraminifers	25	285
T.D. 285	T.D. 285			

WELL NO: GGS 3179 ALTITUDE: 350 ft.
WELL NAME: Colquitt #3 TOTAL DEPTH: 705 ft.
COUNTY: Colquitt DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: interlayered white to dark yellowish-orange to moderate reddish-orange, poorly sorted, argillaceous, N9 to 10YR6/6 to 10R6/6	30	30
	Clay: moderate reddish-brown, pure, plastic, 10R4/6 Clay analysis as follows: 93.5% kaolinite, 5.6% illite, 0.9% smectite at 36'	9	39
	Sandstone: mottled white to yellowish-gray, medium- to coarse-grained, poorly sorted quartz and feldspar, variably argillaceous, locally fine-grained and well sorted at 71-75' and 112-125', pyritic at 100-105', N9 to 5Y7/1 to 5Y8/1 Clay analyses as follows: 92.8% kaolinite, 5.2% illite, 2.0% smectite at 40'; 61.0% kaolinite, 5.1% illite, 33.9% smectitie at 56'; 70.5% kaolinite, 6.5% illite, 23.0% smectite at 74'; 65.5% kaolinite, 12.2% illite, 22.2% smectite at 84'; 85.3% kaolinite, 4.1% illite, 10.6% smectite at 88'; 60.1% kaolinite, 7.6% illite, 32.4% smectite at 100'; 55.6% kaolinite, 5.7% illite, 38.6% smectite at 113'; 66.1% kaolinite, 33.9% smectite at 121'	86	125

Middle Miocene Unnamed Sand and Clay 125	Sand: fine-grained, well sorted, silty, argillaceous Clay analyses as follows: 32.2% kaolinite, 10.7% illite, 57.1% smectite 140'; 1.6% kaolinite, 25.3% palygorskite, 21.0% sepiolite, 52.2% smectite at 150' ----------	41	166
	Sand and Clay: interlayered argillaceous sand and sandy clay, sand is generally fine-grained and well sorted, clay layers are thinly laminated, clay intraclasts are present at 178-180', 193-195' and are sparsely scattered below 190' slightly phosphatic below 190' Clay analyses as follows: 6.0% kaolinite, 11.9% illite, 10.8% palygorskite, 15.7% sepiolite, 55.6% smectite at 168'; 3.8% kaolinite, 12.6% illite, 11.2% palygorskite, 19.8% sepiolite, 52.6% smectite at 174'; 5.7% kaolinite, 15.2% illite, 4.0% palygorskite, 4.3% sepiolite, 70.7% smectite at 180'; 3.3% kaolinite, 17.5% illite, 32.1% palygorskite, 3.7% sepiolite, 43.4% smectite at 189'; 5.6% kaolinite, 34.2% palygorskite, 60.3% smectite at 206'; 5.0% kaolinite, 4.3% palygorskite, 90.7% smectite at 208'; 2.5% kaolinite, 36.3% illite, 61.2% smectite at 211' ----------	48	214
Miocene Hawthorne Undif. 214	Sand: yellowish-gray, very fine-grained, well sorted quartz, slightly argillaceous, 5Y8/1 Clay analysis as follows: 59.5% palygorskite, 40.5% smectite at 215' ----------	8	222
	Clay: dusky yellowish-brown, 10YR2/2 Clay analysis as follows: 54.6% kaolinite, 45.4% smectite at 224' ----------	9	231
	Sand: yellowish-gray, with interlayered sandy clay, pale olive (10Y6/2), sand is fine-grained, well sorted quartz, massive to vaguely laminated, 5Y7/2 Chert at 279-280' Clay analyses as follows: 39.0% kaolinite, 61.0% smectite at 235'; 29.8% kaolinite, 4.4% illite, 65.8% smectite at 246'; 16.0% kaolinite, 16.0% illite, 68.0% smectite at 247'; 16.8% kaolinite, 83.2% smectite at 253'; 56.6% kaolinite, 43.4% smectite at 257'; 63.8% kaolinite, 36.2% smectite at 265'; 24.9% illite, 10.1% palygorskite, 7.6% sepiolite, 57.3% smectite at 270' ----------	49	280
	Dolomite: white, sandy, argillaceous, with clay clasts, N9 Clay analyses as follows: 73.0% illite, 27.0% smectite at 281'; 4.0% kaolinite, 72.0% illite, 24.0% smectite at 282'; 77.7% illite, 22.3% smectite at 294' ----------	24	304

Sand: argillaceous, with rare clasts of dolomite Clay analysis as follows: 62.4% illite, 37.6% smectite at 312' ----------	15	319
Dolomite: hard, sandy ----------	8	327
Sand: yellowish-gray, argillaceous, slightly dolomitic in upper part of interval, 5Y7/2 Clay analysis as follows: 18.4% kaolinite, 47.2% illite, 34.4% smectite at 340' ----------	32	359
Clay: dark greenish-gray, with fine sand and silt, dolomitic (white) from 369-379', 5Y4/1 Clay analyses as follows: 21.9% kaolinite, 23.6% illite, 54.5% smectite at 364'; 31.1% kaolinite, 39.4% illite, 29.5% smectite at 379' ----------	20	379
Dolomite: white, dense, with fine sand and silt, very slightly phosphatic, argillaceous, fossiliferous, with bryozoans near bottom of interval, N9 Clay analysis as follows: 15.7% kaolinite, 35.5% illite, 48.7% smectite at 384' ----------	26	405
Sand: very fine-grained coarsening to medium-grained with depth, silty, agillaceous, increasingly dolomitic (white) with depth, some intervals are fossiliferous with molds and casts of pelecypod shells Clay analyses as follows: 58.2% palygorskite, 41.8% smectite at 417'; 54.9% kaolinite, 6.2% illite, 8.6% palygorskite, 30.3% smectite at 436' ----------	32	437
Dolomite: highly arenaceous with fine- to coarse-grained, poorly sorted sand, phosphatic, slightly argillaceous, bioturbated, fossiliferous, with molds and casts of pelecypod shells abundant at intervals, finely disseminated iron sulfides in lower part of interval Clay analyses as follows: 39.0% kaolininte, 6.9% illite, 2.7% palygorskite, 2.9% sepiolite, 48.4% smectite at 462'; 10.8% illite, 118.1 palygorskite, 4.0 sepiolite, 67.1% smectite at 495' ----------	72	509
Dolomite: yellowish-gray, dense, sandy, argillaceous with clay clasts and laminae, Chert; rare, scattered at base of interval, non-phosphatic, fossiliferous, with gastropod molds, bryozoan debris, bioturbated, 5Y7/2 Clay analyses as follows: 20.2% kaolinite, 26.7% illite, 53.1% smectite at 516'; 25.6% kaolinite, 74.4% smectite at 519' ----------	10	519
Sand: greenish-gray, argillaceous, with clay clasts and lenses, dolomitic matrix, sparsely and finely micaceous, bioturbated, burrows in clay clasts, Chert; rare, 5GY6/1 Clay analysis as follows: 29.2% kaolinite, 70.8% smectite at 536' ----------	20	539

Dolomite: brown, sucrosic, dense, very sandy, sand increasing with depth, argillaceous ----------	14	553
Limestone: with thin lignitic clay laminae, fissile -----	2	555
Sand: greenish-gray, generally fine-grained with intervals of coarse sand, argillaceous and dolomitic, both increasing with depth in the interval, lignitic, micaceous, laminated, fissile, some small-scale cross bedding is visible, 5GY6/1 Clay analyses as follows: 36.0% kaolinite, 12.6% illite, 51.4% smectite at 565'; 14.4% kaolinite, 85.6% smectite at 580' ----------	30	585
No samples ----------	15	600
Sand: olive black, fine-grained, extremely argillaceous, with scattered chert, 5Y2/1 Clay analysis as follows: 41.8% kaolinite, 19.5% illite, 38.6% smectite at 605' ----------	15	615
Dolomite: brown, saccharoidal, with calcareous lenses, sandy, argillaceous, dark carbonaceous laminae, fossiliferous, with molds of shells, bottom 1' of interval is black clay with coarse quartz grains Clay analysis as follows: 18.4% kaolinite, 16.3% illite, 65.3% smectite at 629' ----------	15	630
Sand: greenish-gray, medium-grained, argillaceous, finely micaceous, non-phosphatic, with thin lignitic laminae, and Chert; rare scattered burrows, 5GY6/1 Clay analysis as follows: 43.3% kaolinite, 2.4% illite, 54.3% smectite at 640'; 16.3% kaolinite, 6.6% illite, 77.0% smectite at 650' 28.4% kaolinite, 6.7% illite, 64.9% smectite at 671' --	45	675
Sand: greenish-gray, medium-grained, slightly argillaceous, micaceous, thin lignitic laminae, and Chert; rare, burrows, bottom 1' of interval dense and dolomitic, 5GY6/1 Clay analyses as follows: 20.7% kaolinite, 79.3% smectite at 684'; 38.2% kaolinite, 5.6% illite, 56.2% smectite at 704' ----------	30	705

T.D. 705

WELL NO: GGS 3195 ALTITUDE: 330 ft.
WELL NAME: City of Norman Park TOTAL DEPTH: 1210 ft.
COUNTY: Colquitt DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Altamaha/ Hawthorne Undif. 0	Clay: red, yellow, and white, and Sand; poorly sorted, lignitic, 5R5/4	10	10
	Clay and Sand: light brown to pale red, feldspathic, micaceous, with rare tourmaline, iron staining, clay is pure to silty and sandy, 5YR6 to 10R6/2	130	140
Miocene Hawthorne Undif. 140	Clay: pale red to grayish-orange pink, calcareous, phosphatic, with muscovite, 10R6/2 to 5YR7/2 Chert present at 160 - 180'	70	210
	Sand: pale yellowish-brown, fine-grained, argillaceous, and Clay; gray, 10YR6/2 Sponge spicules at 210-220'	20	230
	Clay: pale yellowish-brown, calcareous in part, sandy, with pyrite, marcasite, tourmaline, rare muscovite, 10YR6/2 Green and purple clay at 250 - 310' White, fine-grained dolomite at 250 - 310' Chert at 300 - 310'	80	310
	Dolomite: light olive-gray, and Limestone; sandy, fossiliferous, with echinoid spines, coral(?) fragments, and Clay; with marcasite, tourmaline, rare chert, 5Y6/1	10	320
	Clay and Limestone: clay is gray, green, red, purple, and white, sandy in part, with marcasite, tourmaline, and rare chert, limestone is light gray, sandy, fossiliferous, with nacreous shell fragments, pelecypod molds, and burrow fillings, 10YR6/2 to 5YR7/2	135	455
	Sand: pale yellowish-brown, poorly sorted, but predominantly medium-grained, with feldspar, biotite, tourmaline, and Limestone; as above, with pelecypod molds, and Dolomite, rare, and Clay; green and white, rare, 10R6/2	15	470
Oligocene Undif. 470	Limestone: grayish-orange pink, granular, calcarenitic limestone and sandy limestone, fossiliferous, with pelecypod molds and foraminifers, and Clay; green, nodular, 5YR7/2 Abundant Lepidocyclina sp. at 470 -490' Pararotalia mexicana at 490 - 500'	30	500
	Limestone: pinkish-gray to grayish-orange pink, granular, calcarenitic, fossiliferous, with echinoid and bryozoan fragments, and foraminifers, 5YR8/1 to 5YR7/2 Discorbis sp., Lepidocyclina sp. at 570 - 640'	140	640

	Dolomite: pinkish-gray, saccharoidal, and Limestone; as above, fossiliferous, with brachiopods, bryozoans, and foraminifers, and Clay; as above, 5YR8/1	70	710
	Limestone: pinkish-gray, dolomitic, with very fine-grained euhedral dolomite rhombs in a calcite matrix, and granular, calcarenitic limestone, as above, and Clay; yellow, green, and red, rare, 5YR8/1	40	750
	Limestone: pinkish-gray, chalky, fossiliferous, with echinoid and bryozoan fragments, and Clay; rare, 5Y8/1 to 10YR8/2 Lenticulina sp. at 820 - 830'	80	830
	Clay: yellowish-gray, calcareous, and Limestone; white, chalky to dolomitic, fossiliferous, with bryozoans, and foraminifers, 5Y8/1 Lepidocyclina sp. and Lenticulina sp. at 830 - 840'	10	840
	Limestone: yellowish-gray, chalky to granular, partially dolomitized, fossiliferous, with bryozoan fragments and foraminifers, 5Y8/1 Lepidocyclina sp. at 840 - 910'	70	910
U. Eocene* Undif. 910	Limestone: grayish-orange pink, granular, finely sandy, partially dolomitized, fossiliferous, with foraminifers, bryozoans, brachiopods, and echinoids, and Sand; fine- to very coarse-grained, 5YR7/2 Siphonina sp., Cibicides sp. at 970 - 980' Cibicides pippeni at 980-990' Lenticulina vicksburgensis at 980 - 1030' Glauconite present at 1070 - 1140'	300	1210
T.D. 1210			

*Contact based on geophysical data

WELL NO: GGS 3196 ALTITUDE: 245 ft.
WELL NAME: Colquitt #4 (U.S. Gypsum 76-5) TOTAL DEPTH: 870 ft.
COUNTY: Colquitt DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	180	180
In Oligocene Suwannee 180	Limestone: hard, dense, crystalline, locally dolomitic, fossiliferous Kuphus incrassatus at 191'	21	201
	Limestone: fine- to medium-grained, bioclastic, foraminiferal coquina, with corals, and algae	85	286
Oligocene Undif. 286	Poor recovery: only algal balls recovered	40	326

U. Eocene Ocala Undif. 326	Limestone: porous, foraminiferal coquina Asterocyclina sp., Lepidocyclina sp. abundant throughout interval Heterostegina sp. at 420' ----------	157	483
	Dolomite: grading downward to dolomitic limestone, more sparsely fossiliferous than above ----------	30	513
	Limestone: foraminiferal coquina (abundant Lepidocyclina sp.) ----------	49	562
	No samples ----------	5	567
	Limestone: milioloid, foraminiferal limestone with algae, gypsum-bearing Asterocyclina sp. throughout interval Nummulites sp. at 660' Heterostegina sp. at 756' Lepidocyclina ocalana at 756' Gypsum, concentrated at 620-623', 715-723', 751-771' ----------	225	792
M. Eocene Undif. 792	Limestone: fossiliferous with foraminifers, gypsum-bearing Nummulites sp. throughout interval Gypsum, concentrated at 833', 847-861' ----------	78	870

T.D. 870

WELL NO: GGS 3199 ALTITUDE: 290 ft.
WELL NAME: Colquitt #5 (U.S. Gypsum 76-8) TOTAL DEPTH: 790 ft.
COUNTY: Colquitt DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples ----------	217	217
In Miocene Hawthorne Undif. 217	Sand: yellowish-gray, fine-grained, well sorted quartz with interclasts of sandy dolomite, somewhat argillaceous, bioturbated, 5Y8/1 ----------	9	226
	Sand: light greenish-gray, fine-grained, well sorted quartz, more dolomitic than above, at intervals a sandy dolomite, argillaceous, 5GY8/1 Clay analysis as follows: 6.1% kaolinite, 53.6% illite, 40.3% smectite at 237' ----------	11	237
	Clay: green, waxy, veined ----------	2	239
	Sand: highly argillaceous, with intraclasts of dolomite, fossiliferous at top of interval Clay analyses as follows: 5.3% kaolinite, 46.4% illite, 48.3% smectite at 240';		

12.9% kaolinite, 67.0% illite, 20.1% smectite at 246'	11	250
Sand: fine- to medium-grained, argillaceous, with clasts of dolomite, coarsely micaceous at top of interval Clay analysis as follows: 16.2% kaolinite, 71.9% illite, 11.9% smectite at 256'	12	262
Dolomite: sandy with fine-grained, well sorted quartz, at intervals a dolomitic sand, more poorly sorted and intraclastic with clay and dolomitic clasts with depth, argillaceous, sparsely fossiliferous, Clay analysis as follows: 18.0% kaolinite, 29.3% illite, 52.7% smectite at 279'	25	287
Clay: green, slightly sandy Clay analysis as follows: 25.5% kaolinite, 58.2% illite, 16.3% smectite at 289'	4	291
Sand: fine-grained, well sorted, dolomitic grading to sandy dolomite at intervals, silty, thinly bedded, cross-bedded, with thin clay laminae, burrows Clay analysis as follows: 26.2 illite, 73.8% smectite at 297'	9	300
Dolomite: gray, dense, granular, sandy and silty, fossiliferous with molds of mollusks, slightly phosphatic	9	309
Sand: fine- to medium-grained, coarsening downward, very dolomitic grading at intervals to a sandy dolomite, bioturbated with burrows filled with slightly phosphatic sand, argillaceous, slightly fossiliferous with rare shell fragments, some pyrite at bottom of interval Clay analyses as follows: 100.0% smectite at 310'; 1.7% kaolinite, 19.8% illite, 12.7% palygorskite, 65.8% smectite at 320'	14	323
Dolomite: sandy, intraclastic at top of interval, decreasing with depth, pyritic and phosphatic also decreasing with depth, fossiliferous with casts and molds of mollusk shells, argillaceous Clay analysis as follows: 100.0% smectite at 340'	32	355
Limestone: white and gray, intraclastic with white limestone appearing as matrix between clasts of gray limestone, sandy, dolomitic, fossiliferous	10	365
Sand: fine- to medium-grained, bioturbated in upper part of interval, bedded in lower part of interval, dolomitic, with darker grains of pyrite, phosphate, and heavy minerals, fossiliferous with mollusk fragments, dolomite intraclasts below 375' Clay analysis as follows: 5.4% sepiolite, 94.6% smectite at 371'	17	382

	Dolomite: tan, sucrosic, with dolomite intraclasts in upper part of interval, sandy but with sand decreasing with depth, no sand below 389', fossiliferous with shell molds, becoming dense, hard, brown at base of interval ----------	14	396
Oligocene Undif. 396	Limestone: hard, dense, crystalline, fossiliferous with corals and foraminifers, bioclastic, contact with above unit contains a dark mineral, possibly manganese oxide Lepidocyclina sp. at 409' ----------	32	428
	Limestone: irregularly granular with abundantly coralline limestone as a framework around dense, recrystallized granular limestone ----------	7	435
	Limestone: coralline, very porous, with rare scattered mollusk molds, becoming interbedded at depth with a less coralline, micritic, chalky to somewhat granular, massively bedded limestone, still very porous, Dolomite, tan, sucrosic, calcareous, at 482-490' and 515-522' Lepidocyclina sp., Nummulites sp. at 505-510' -------	95	530
	Dolomite: tan to brown, dense, saccharoidal, with rare thin beds of above limestone and zones of only partial dolomitization, variably recrystallized and fossiliferous with corals, mollusk molds, foraminifers, and bryozoans, with calcite-filled burrows in lower part of interval, bioturbated, vaguely layered, sparsely glauconitic below 602', rare pyrite below 607', clasts of calcareous dolomite below 603' Lepidocyclina sp. throughout interval Selenite in optical continuity at 541-544', 557' ----	89	619
	Limestone: fine-grained, granular, even-textured, bioturbated, fossiliferous Lepidocyclina sp. at 633' ----------	20	639
	Dolomite: massive, saccharoidal, faintly bioturbated Clay at 657', Chert at 660' ----------	21	660
	Limestone: fine-grained, hard, indurated, fossiliferous with foraminifers, Chert at 663' and 671-673' Dolomitic at 671-673' ----------	22	682
	Dolomite: fine-grained, massive, indurated, calcareous at intervals, with intraclasts of limestone and dolomite especially at bottom of interval, scattered chert ----------	16	698
	Limestone: fine-grained, chalky, featureless, dolomitic at 723-725', 737-746', 788-790', rare chert at 746', 752', 764-766', fossiliferous with foraminifers at 780-785' ----------	92	790

T.D. 790

WELL NO: GGS 3212 ALTITUDE: 225 ft.
WELL NAME: Colquitt #6 (U.S. Gypsum 76-3) TOTAL DEPTH: 893 ft.
COUNTY: Colquitt DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	130	130
In Miocene Chattahoochee 130	Poor recovery: recovered Sand; fine- to medium-grained, well sorted, cemented by chert, argillaceous	32	162
Oligocene Suwannee 162	Dolomite: hard, dense, with chips of cherty, argillaceous Sand	2	164
	No samples	6	170
	Limestone: granular, even-textured, pelletal, foraminiferal, with scattered algae and mollusk molds Dictyoconus sp. at 263' Pecten anatipes at 285' No samples at 206-216', 230-252', 253-261'	133	303
Oligocene Undif. 303	Limestone: calcarenitic, granular, fine- to medium-grained, abundantly fossiliferous with foraminifers and miliolids, algal balls, and corals Lepidocyclina sp. abundant throughout interval, at certain intervals forming a coquina	27	330
U. Eocene Ocala Undif. 330	Limestone: granular, porous, pelletal, foraminiferal, with bioclastic debris, mollusk molds, algae, and echinoids Lepdiocyclina sp. abundant throughout interval Asterocyclina sp. throughout interval Spondylus sp. at 353', 359' Nummulites sp. at 367', 375'	57	387
	Dolomite: brown to tan, hard, dense, crystalline, fossiliferous (mostly obliterated), poor sample recovery in top 10' of interval	41	428
	Limestone: dolomitic, sucrosic, fossiliferous, locally a calcareous dolomite Gypsum, as selenite, at 465-485', abundant granular gypsum and selenite at 485-492'	64	492
	Limestone: recrystallized, becoming more chalky with depth, abundantly fossiliferous with foraminifers, echinoids Lepidocyclina sp. abundant throughout interval Gypsum, granular and selenite, throughout interval	25	517
	Not examined	376	893

T.D. 893

WELL NO: GGS 3213 ALTITUDE: 270 ft.
WELL NAME: Colquitt #7 (U.S. Gypsum 76-7) TOTAL DEPTH: 908 ft.
COUNTY: Colquitt DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	195	195
In Oligocene Suwannee 195	Limestone: granular, miliolid coquina, alternating soft and porous (cream) with hard and nonporous (gray) Kuphus incrassatus	31	226
	Limestone: soft, equigranular, fossiliferous with miliolids, foraminifers, algae, shells, and corals Lepidocyclina sp. at 260' Dictyoconus sp. at 295' and 299'	85	311
Oligocene Suwannee 311	Poor recovery: only hard algal balls recovered	79	390
In U. Eocene Ocala Undif. 390	Limestone: foraminiferal (dominantly Lepidocyclina sp.) coquina, massive, locally recrystallized and granular, with corals, mollusk molds, algae, bryozoans, scallops Asterocyclina sp. throughout interval Amusium sp. at 465'	118	508
	Dolomite: hard, dense, crystalline, with sparse relict fossils	12	520
	Limestone: as above, but variably dolomitic	56	576
	Dolomite: gray to tan, sucrosic to dense, interlayered with dolomitic Limestone; white to cream, slightly recrystallized, chalky, both are fossiliferous, with foraminifers, gypsum-bearing Lepidocyclina sp. throughout interval Gypsum, as selenite, throughout interval, most concentrated at 675-695', selenite occurs as matrix, reducing porosity	125	701
	Limestone: cream, granular, pelletal, bioclastic, abundantly fossiliferous with foraminifers, bryozoans, algae Asterocyclina sp. throughout interval Amusium ocalanum at 717' and 798' Nummulites sp. at 716', 730', 766' and 779'	125	826
	Limestone: dolomitic, even-grained, fossiliferous with foraminifers, gypsum-bearing Lepidocyclina sp., large and small, throughout interval		

	Nummulites sp. at 850-861'		
	Heterostegina at 858'		
	Gypsum, as selenite, scattered at 826-849', nodular gypsum at 849-861' ----------	35	861
M. Eocene Undif. 861	Limestone: thinly layered, dense, intervals are sucrosic, bioclastic, massive and fossiliferous alternating with chalky, micritic, layered, with nodular gypsum and markedly less fossiliferous		
	Lepidocyclina sp. throughout interval		
	Nummulites sp. at 875'		
	Heterostegina sp. at 875'		
	Discocyclina sp. at 873', 885' and 890' ----------	47	908
T.D. 908			

WELL NO: GGS 3214 ALTITUDE: 245 ft.
WELL NAME: Colquitt #8 (U.S. Gypsum 76-6) TOTAL DEPTH: 836 ft.
COUNTY: Colquitt DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples ----------	126	126
In Miocene Chattahoochee 126	Dolomite: buff to tan, intraclastic, sparsely fossiliferous with mollusk molds ----------	10	136
	Sand: pale green, fine-grained, well sorted, argillaceous with clay increasing with depth, vaguely layered, bottom 1' of interval contains clasts of underlying limestone ----------	8	144
Oligocene Suwannee 144	Dolomite: gray, dense, hard, with intraclasts of limestone ----------	5	149
	Limestone: granular, variably indurated, fossiliferous with abundant foraminifers, miliolids, corals, algae, scattered mollusk molds concentrated at 181-189'		
	Sorites at 183'		
	Lepidocyclina sp. common below 210'		
	Chlamys cf. duncanensis at 240'		
	Gypsum, rare, widely scattered at 204', 227' --------	114	263

Oligocene Undif. 263	Limestone: granular, porous, bioclastic, with micritic filling, abundant algal ball structures, foraminifers, bryozoans, coral *Lepidocyclina* sp. at 263-275' *Pecten* cf. *anatipes* at 274' ----------	53	316
U. Eocene Ocala Undif. 316	Limestone: bioclastic, dominantly a coquina composed of foraminifers (*Lepidocyclina* sp. and smaller foraminifers), granular with more microcrystalline limestone between bioclastic material, generally very porous (primary) ----------	100	416
	Dolomite: brown, sucrosic, calcareous, fossiliferous with foraminifers as above, considerable secondary pore space ----------	82	498
	Limestone: bioclastic, abundantly fossiliferous with foraminifers, scallops, echinoids *Asterocyclina* sp. throughout interval below 636' *Nummulites* sp. at 651', 674' *Amusium ocalanum* at 649', 705' Gypsum, concentrated at 500-517', 544-571', 596-613', widely scattered below 613' ----------	227	725
	Limestone: dolomitic, fossiliferous with foraminifers *Nummulites* sp. throughout interval Gypsum, very widely scattered throughout interval Biotite at 780' ----------	75	800
M. Eocene Undif. 800	Limestone: moderately indurated, fine- to medium-grained, layered with softer chalky intervals, slightly dolomitic, fossiliferous, with foraminifers *Nummulites* sp. and *Lepidocyclina* sp. throughout interval Gypsum at 801-803' ----------	23	823
	Limestone: soft, chalky, equigranular, vaguely layered, fossiliferous with foraminifers *Nummulites* sp. and *Lepidocyclina* sp. (small) throughout interval Gypsum at 832' ----------	13	836
T.D. 836			

WELL NO: GGS 3456 ALTITUDE: 348 ft.
WELL NAME: Houston Oil & Mineral #1 TOTAL DEPTH: 6900 ft.
COUNTY: Colquitt DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Undif. 0	Sand: yellowish-gray, fine- to coarse-grained quartz, poorly sorted, calcareous, Clay; dark gray, indurated, accessory mica and iron minerals throughout interval, 5Y8/1	60	60
	Clay: gray, sandy, silty, calcareous, micaceous, dark gray and indurated at intervals, Sand is coarse-grained frosted quartz near top, grading to fine-grained clear quartz toward the bottom of the interval, Limestone; gray-cream to pink near top of interval, accessory iron minerals throughout interval, 5Y8/1 Magnetic spheres (tectites ?), dark metallic gray, at 80-90' Phosphate, sand-sized, finely disseminated at 100-110'	110	170
	Sand: yellowish-gray, fine-grained, clear quartz, silty, slightly phosphatic, and Clay; gray to white, indurated, accessory iron minerals throughout interval, 5Y8/1 Chert at 200-210'	70	240
	Sand: as above but calcareous, glauconitic, very slightly phosphatic, more poorly sorted, and calcite-cemented at intervals, 5GY 7/2 Pyrite at 380-390'	170	410
	Limestone: light greenish-gray, sandy, fossiliferous, slightly phosphatic (finely disseminated), with burrow fillings at top of interval, 5GY8/1 Nummulites sp. at 410-420', 450-460', 470-480'	90	500
Oligocene Undif. 500	Limestone: light greenish-gray, fossiliferous, dolomitic, very slightly phosphatic, with a small amount of pyrite, dolomite and pyrite are replacement in some fossils, dolomite content increases toward bottom of interval, bryozoans, echinoid fragments, and algae throughout interval and abundant in some samples, 5GY8/1 Lepidocyclina sp., Amphistegina sp. Pararotalia mexicana at 500-510', numerous in place P. mexicana at 740-750' Asterigerina sp. at 540-550'	270	770

	Dolomite: pale green, finely to coarsely crystalline, with Limestone; as above, sandy and fossiliferous, dolomite and pyrite replace some fossils, 5GY7/2 Nummulites sp. at 770-780' Baggina sp., Uvigerina sp. at 780-790' Lenticulina vicksburgensis, Globorotalia increbescens, Eponides obesa, Anomalina bilateralis at 800-810' ----------	60	830
U. Eocene Undif. 830	Limestone: yellowish-gray, coarsely crystalline (recrystallized), abundantly fossiliferous with fossils as above, Sand; fine-grained, well sorted, less than 5% of sample, Dolomite; as above, up to 30% of sample, pyrite, rare, throughout interval, 5Y8/1 Nummulites mariannensis, Lenticulina mariannensis at 830-840' ----------	120	950
M. Eocene Claiborne Undif 950	Limestone: grayish-yellow green, not as abundantly fossiliferous as above, sandy, dolomitic, slightly phosphatic, with Clay; calcareous, glauconitic, sparsely pyritic, 5GY7/2 Gyroidina sp. at 970-980' Uvigerina cocoaensis at 990-1000' Nonion sp. at 1070-1090' ----------	210	1160
	Sand: yellowish-gray, fine-grained, well sorted, calcareous, slightly phosphatic, glauconitic, with Dolomite; white, very finely crystalline, amount increasing with depth, 5Y8/1 Cibicides blanpiedi at 1170-1200' ----------	168	1328
L. Eocene/ Paleocene* Undif. 1328	Sand: yellowish-gray, fine-grained, well sorted quartz, calcareous, argillaceous, more abundantly glauconitic and phosphatic than above, micaceous, with Dolomite; white, very finely crystalline, 5Y8/1 Lignite at 1328-1380' Chert, brown, scattered at 1530-1560', and 1650-1660' Gyroidina sp. at 1500-1530' Cibicides sp. (?) at 1650' ----------	332	1660
Cretaceous Undif. 1660	Limestone: greenish-gray, slightly sandy (fine-grained) increasing with depth, fossiliferous (mostly pyritized), with abundant Chert; brown, translucent, rare pyrite and phosphate, 5GY6/1 Globotruncana sp. at 1660-1680', and 1800-1830' Lenticulina sp. at 1710-1770' No samples at 1770-1800' ----------	200	1860
	Sand: greenish-gray, fine-grained, well sorted quartz, silty, variably calcareous, fossiliferous as above, glauconitic, pyritic, slightly phosphatic, cherty, 5GY6/1 ----------	660	2520
	Silt: greenish-gray, calcareous, glauconitic, fossiliferous, with Sand; very fine-grained, 5GY6/1 -------	210	2730

	Silt: light olive-gray, argillaceous, sandy, calcareous, micaceous, with traces of glauconite, abundant microfossils, 5Y6/1	150	2880
	Sand: light olive-gray, coarse-grained, poorly sorted, silty, calcareous, pyritic, phosphatic, lignitic, glauconitic, Clay; fissile, lignitic, pyritic, 5Y6/1	120	3000
	Sand: yellowish-gray to light olive gray, fine- to medium-grained, poorly sorted, calcareous, glauconitic, indurated at intervals, with Clay; fissile, silty, micaceous, 5Y8/1 to 5Y6/1	120	3120
	Sand: light olive gray to yellowish-gray, coarse-grained, poorly sorted, pyritic, with feldspar and lignite, 5Y6/1 to 5Y8/1	180	3300
	Sand: light olive-gray, fine- to coarse-grained, calcareous, silty, clayey, micaceous, with pyrite and lignite, 5Y6/1	150	3450
	Silt: light olive gray, clayey, sandy, calcareous, micaceous, pyritic, 5Y6/1	60	3510
	Sand: light olive gray to yellowish-gray, coarse- to very coarse-grained, with feldspar and phosphate, pyrite and mica, 5Y6/1 to 5Y8/1	930	4440
	Sand: light brownish-gray to pale yellowish-brown, coarse- to very coarse-grained, argillaceous, silty, calcareous, feldspathic, with mica and traces of lignite, Clay; fissile, micaceous, 5YR6/1 to 10YR6/2	530	4970
Triassic(?) Undif. 4970	Sand: grayish-orange pink to pale yellowish-brown, coarse- to very coarse-grained, poorly sorted, with feldspar and mica, Mafic Rock; crystalline, medium-grained, high pyroxene(?) content, Silt; argillaceous, fissile, micaceous, 5R7/2 to 10YR6/2	160	5130
	Sand: pale red, coarse- to very coarse-grained, with feldspar and mica, abundant iron oxides, Mafic Rock; crystalline, medium-grained, high pyroxene(?) content, Silt; argillaceous, fissile, micaceous, 5R6/2	180	5310
	Sand: yellowish-gray, coarse-grained, poorly sorted, with feldspar and mica, Clay; silty, micaceous, slight reaction with dilute HCl, 5Y8/1	250	5560
	Silt: light brownish-gray, argillaceous, micaceous, Sand; coarse-grained, poorly sorted, Mafic Rock; crystalline, medium-grained, as above, 5YR6/1	20	5580
	Clay: light olive gray, silty, sandy, micaceous, calcareous, 5Y6/1	50	5630
	Sand: light olive gray, coarse-grained, poorly sorted, silty, argillaceous, micaceous, 5Y6/1	50	5680
	Silt: light olive-gray to yellowish-gray, argillaceous, calcareous, Sand; coarse-grained, poorly sorted, with mica and feldspar, 5Y6/1 to 5Y8/1	120	5800

	Sand: light olive gray, coarse-grained, poorly sorted, Limestone; sandy, accessory Chert, 5Y6/1 ----------	30	5830
	Sand: light brownish-gray to pale red, coarse-grained, poorly sorted, Silt; argillaceous, sandy, micaceous, Mafic Rock; crystalline, medium-grained, high pyroxene(?) content, with minor quartz, chert, and medium-grained Quartzite, 5YR6/1 to 5YR6/2 ----------	90	5920
	Mafic Rock: olive gray to brownish-gray, crystalline, medium-grained, pyroxene(?) with minor quartz, Siltstone; fissile, argillaceous, sandy, micaceous, Sandstone; fine-grained, silica cemented, 5Y4/1 to 5YR4/1 ----------	180	6100
	Sandstone: pale yellowish-brown, fine-grained, silica cemented, Siltstone; fissile, sandy, argillaceous, Mafic Rock; crystalline, medium-grained, pyroxene(?), 10YR6/2 ----------	60	6160
	Siltstone: pale brown, fissile, argillaceous, micaceous, 5RY5/2 ----------	150	6310
	Quartzite: light olive gray, crystalline, fine-grained, Siltstone; fissile, argillaceous, sandy, micaceous, Mafic Rock; as above, 5Y5/2 ----------	70	6380
	Basalt(?): olive gray, very fine-grained, faint submetallic luster, Quartzite; as above, Siltstone; as above, 5Y4/1 ----------	20	6400
	Mafic Rock: olive gray to light olive gray, crystalline, medium-grained, pyroxene(?) with minor quartz, Siltstone; fissile, sandy, micaceous, 5Y4/1 to 5Y6/1 ----------	340	6740
	Mafic Rock: as above, with Basalt; very fine-grained, faint submetallic luster, N4 ----------	160	6900

T.D. 6900

*Contact based on geophysical data

WELL NO: GGS 3535 ALTITUDE: 290 ft.
WELL NAME: Colquitt #9 TOTAL DEPTH: 1321 ft.
COUNTY: Colquitt DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Soil: dark yellowish-brown, organic material 10YR4/2 ---	2	2
In Middle Miocene Unnamed Sand and Clay 2	Sand: mottled yellowish-gray to dark yellowish-brown, fine- to medium-grained, well sorted quartz, varying from slighlty to highly argillaceous, and Clay; yellowish-gray to grayish-red purple, relatively pure 1'- 2' layers, interval is deeply weathered, 5Y7/2 to 10YR4/2 to 5RP4/2 Clay analyses are as follows: 96.8% kaolinite, 3.2% illite at 7'; 95.4% kaolinite, 4.6% illite at 17'; 86.9% kaolinite, 5.3% illite, 7.9% smectite at 21' ----------	21	23

	Poor core recovery, probably due to unconsolidated sand -	9	32
	Sand: yellowish-gray, fine-grained, well sorted quartz, very argillaceous, appears marbled, possibly bioturbated, 5Y7/2, Poor recovery, 42-58', probably due to unconsolidated sand ----------	28	60
	Sand: very pale orange to light olive gray, fine-grained, well sorted quartz, with Claystone; brittle, cherty at base of interval, 10YR8/2 to 5Y6/1 ----------	1	61
	Clay: white to light olive gray, siliceous, and Claystone; brittle, slightly sandy, thinly bedded, chert throughout interval, N9 to 5Y6/1 Poor recovery 66-92', recovered bedded claystone and chert Clay analysis as follows: 8.8% illite, 15.8% sepiolite, 75.4% smectite at 63' ----------	31	92
	Clay and Sand: yellowish-gray, interlaminated, delicately bedded, sand is very fine-grained, well sorted quartz, with abundant heavy minerals, diatom molds and impressions at bottom of interval, 5Y7/2 Clay analyses as follows: 39.2% illite, 11.6% palygorskite, 10.2% sepiolite, 39.0% smectite at 93'; 22.1% kaolinite, 13.0% illite, 5.7% palygorskite, 59.1% smectite at 95' ----------	4	96
Miocene Hawthorne Undif. 96	Sand: greenish-gray, fine- to medium-grained, well sorted quartz, slightly phosphatic, argillaceous, bioturbated, contact with above unit is abrupt, 5GY6/1 Clay analyses as follows: 3.5% kaolinite, 17.1% illite, 15.8% palygorskite, 63.6% smectite at 97'; 15.6% illite, 24.9% palygorskite, 59.5% smectite at 105' ----------	9	105
	Sand: white to medium greenish-gray, very fine-grained, well sorted quartz, and Clay; dark greenish-gray, tough, with partings commonly slickensided, less bioturbated and more clearly stratified than above, N9 to 5GY7/1 to 5GY4/1 Clay analyses as follows: 26.2% illite, 34.7% palygorskite, 39.1% smectite at 108'; 8.3% kaolinite, 91.7% smectite at 119' ----------	24	129
	Sand: yellowish-gray, fine- to medium-grained, well sorted quartz, vaguely bedded, 5Y8/1 Clay analysis as follows: 59.9% palygorskite, 40.1% smectite at 130' ----------	12	141
	Clay: dark greenish-gray to greenish-gray, massive, structureless, pure to slightly sandy, sand is fine-grained, 5GY4/1 to 5GY6/1 Clay analysis as follows: 61.6% kaolinite, 5.1% illite, 33.3% smectite at 145' ----------	9	150

	Sand: yellowish-gray to grayish-green, fine-grained, well sorted quartz, almost structureless, bioturbated, slightly argillaceous, 5Y8/1 to 10GY5/2 Poor recovery, probably due to sand, at 152-159' and 182-193' Clay clasts in sand at 194-196' Clay analyses as follows: 57.1% palygorskite, 11.5% sepiolite, 31.3% smectite at 163'; 100.0% smectite at 180'; 100.0% smectite at 195' ----------	49	199
	Dolomite: yellowish-gray, soft, sandy, argillaceous, contact with above unit very sharp, 5Y8/1 Clay analysis as follows: 12.2% illite, 10.7% palygorskite, 77.0% smectite at 210' ----------	18	217
	Sand: greenish-gray to dark greenish-gray, fine-grained, well sorted quartz, slightly argillaceous, 5GY6/1 to 5GY4/1 Clay analysis as follows: 37.7% illite, 62.3% smectite at 219' ----------	6	223
	Sand: as above, with interclasts of dolomite and clay, yellowish-gray to greenish-gray, 5Y8/1 to 5GY6/1 Clay analyses as follows: 40.8% illite, 24.0% palygorskite, 35.2% smectite at 225'; 55.7% illite, 44.3% smectite at 229'; 6.1% kaolinite, 53.6% illite, 40.3% smectite at 237' ----------	16	239
	Clay: dark greenish-gray, sandy, 5GY4/1 Clay analysis as follows: 5.3% kaolinite, 46.4% illite, 48.3% smectite at 240' ----------	1	240
	Sand: yellowish-gray, fine-grained, well sorted quartz, dolomitic, 5GY8/1 ----------	1	241
	No samples - see GGS 3199 for descripiton of samples from 241-790' ----------	549	790
In Oligocene Undif. 790	Limestone: white to yellowish-gray, dolomitic, fine-grained, vaguely layered and bioturbated, with tan to brown dolomite layers, N9 to 5Y7/2 ----------	5	795
	Limestone: white to yellowish-gray, fine-grained and bioturbated to thinly and vaguely layered and non-bioturbated, very slightly granular to lutitic, generally moderately hard and tough, with some softer clayey or lutitic intervals, generally non-fossiliferous, earthy irregular fracture, N9 to 5Y7/2 *Not younger than early Oligocene at 842' ----------	158	953
	Limestone: white to yellowish-gray, fine-grained, argillaceous, grading to calcareous clay, N7 to 5Y8/1 ----	7	960

	Limestone: yellowish-gray to light olive gray, finely granular to granular, thinly layered to bioturbated, argillaceous, with finely disseminated dark grains, 5Y7/2 to 5Y5/2 Thin prominent layer of sand-sized manganese oxide/ phosphate(?), dark greenish-gray, 5GY4/1, at 976' ---	16	976
Upper Eocene Undif. 976	Limestone: white to yellowish-gray, finely granular, massive, thinly and vaguely bedded to non-bedded, moderately indurated, slightly argillaceous, bioturbated, with burrows filled with glauconite(?) in upper 5' of interval, N9 to 5Y7/2 Pyrite, disseminated, very fine, at 1014-1031' Glauconite, fine grains, at 1025-1031' Foraminifers at 1025-1031' *Latest Eocene or earliest Oligocene at 1030' -------	55	1031
	Limestone: white to yellowish-gray, granular (more coarse than above), in places thinly layered and bioturbated, very slightly sandy and argillaceous, N9 to 5Y7/2 Glauconite, fine grains, at 1031-1045', decreasing to slightly glauconitic throughout rest of interval Pyrite, finely disseminated, at 1055-1103' Discocyclina sp. at 1031-1034' ----------	72	1103
	Limestone: white to yellowish-gray, as above but more argillaceous, finely granular, thinly bedded to massive, varyingly bioturbated and burrowed, in places very slightly glauconitic, pyritic, micaceous, N7 to 5Y7/2 *Late Eocene age, correlates with Yazoo Formation at 1110' *Possible Jacksonian at 1153' ----------	52	1155
	Limestone: white to grayish-yellow green to pale olive, granular, argillaceous, as above, but becoming increasingly glauconitic with depth, lower 2' of interval is abundantly and coarsely glauconitic, somewhat more pyritic than above and slightly phosphatic, N9 to 5GY7/2 to 10Y6/2 ----------	5	1160
Middle Eocene Undif. 1160	Limestone: light greenish-gray to pale olive, finely crystalline to granular, sandy (fine-grained), coarsely and abundantly glauconitic, slightly phosphatic and micaceous, locally burrowed, 5GY8/1 to 10Y6/2 Dolomite, tan, saccharoidal, glauconitic, sandy at 1161-1164' Foraminifers at 1165-1167' *Late middle Eocene, equivalent to Gosport in Alabama, at 1168' ----------	22	1182
	Sand: light greenish-gray, fine- to medium-grained, moderately sorted quartz, calcareous, abundantly glauconitic, slightly phosphatic 5GY8/1 Discocyclina sp., Asterocyclina sp. at 1188' --------	7	1189

Claystone: light greenish-gray to greenish-gray, hard, tough, laminated, finely and delicately stratified, variably bioturbated, calcareous, with very fine organic material, glauconite, and phosphate(?), 5GY8/1 to 5GY6/1 *Middle Eocene age, correlates with Lisbon Formation in Alabama, Cubitostrea sellaeformis Zone, at 1211' --	37	1226
Dolomite: greenish-gray, finely crystalline, sandy, abundantly glauconitic, slightly phosphatic, intraclasts appear in base of overlying interval, 5GY6/1 ----------	8	1234
Sand: greenish-gray, fine- to medium-grained, moderately sorted quartz, calcareous, glauconitic, slightly phosphatic, 5GY6/1 ----------	7	1241
Limestone: very light gray to greenish-gray, very sandy (fine- to medium-grained, moderately sorted quartz), and micaceous, N8 to 5GY6/1 ----------	30	1271
Claystone: grayish-yellow green, siliceous, laminated with lighter-colored silt and very fine sand, slightly calcareous, some bioturbation and disrupted bedding, gradational contact with above interval, 5GY7/2 *Middle Eocene age, correlates with the Lisbon Formation in Alabama, Cubitostrea sellaeformis Zone (or Cubitostrea lisbonensis /C. sellaeformis Zone hiatus) at 1280' ----------	16	1287
Limestone: very light gray to light greenish-gray to grayish-orange, very sandy (fine- to coarse-grained, poorly sorted, angular to rounded quartz), irregularly bedded, hard, brecciated in appearance, accessory dark grains (glauconite or phosphate), fossiliferous (bryozoans, small mollusk molds, Lepidocyclina sp., Discocyclina sp., burrows), N8 to 5GY8/1 to 10YR7/4 ----------	25	1312
Sandstone: light greenish-gray, fine- to medium-grained moderately sorted, subangular to angular quartz, calcareous, glauconitic, gradational contact with above interval, 5GY8/1----------	9	1321

T.D. 1321

*Age determination by L. Edwards, U. S. Geological Survey, using dinoflagellate assemblages

WELL NO: GGS 3544 ALTITUDE: 255 ft.
WELL NAME: Colquitt #10 TOTAL DEPTH: 590 ft.
COUNTY: Colquitt DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Soil: sandy, organic material	2	2
In Miocene Hawthorne Undif. 2	Sand and Clay: mottled yellowish-gray to light brown to moderate red, sand is fine- to medium-grained, well sorted quartz, clay content increases with depth so that sample varies from slightly argillaceous sand to slightly sandy clay, deeply weathered, 5Y8/1 to 5YR5/6 5R5/4 Clay analyses as follows: 100.0% kaolinite at 17'; 100.0% kaolinite at 25'	31	33
	Sand: light brown to pale red purple, medium- to coarse-grained with some small pebbles, poorly sorted, slightly argillaceous, deeply weathered, 5YR5/6 to 5RP6/2	7	40
	Clay: mottled, very light gray to grayish-red purple to yellowish-orange, relatively pure to somewhat sandy with thinly interlayered fine sand and clay at intervals, deeply weathered to 74', less weathered from 74-87', clay intraclasts at 64-65', rare heavy minerals, N8 to 5RP3/2 to 10YR7/6 Chert(?), scattered at 74-86' Cristobalite clasts at 87' Poor recovery at 47-57' Clay analyses as follows: 67.2% kaolinite, 16.9% illite, 15.9% smectite at 69'; 59.7% kaolinite, 11.6% illite, 28.6% smectite at 76'; 27.7% kaolinite, 16.1% illite, 56.2% smectite at 80'; 15.1% illite, 84.9% smectite at 86'	47	87
	Sand: white to yellowish-gray, fine-grained, well sorted, massive and structureless to intraclastic, argillaceous chert and small quartzite pebbles scattered throughout but concentrated at 88', 96', 107-108', 133', variable amounts of heavy minerals, N9 to 5Y8/1 Clay analyses as follows: 100.0% smectite at 90'; 100.0% smectite at 94'; 12.1% sepiolite, 87.9% smectite at 98'; 38.1% palygorskite, 44.0% sepiolite, 17.9% smectite at 107'; 100.0% smectite at 117'; 12.6% illite, 87.4% smectite at 128'; 5.5% illite, 4.7% sepiolite, 89.8% smectite at 131'	46	133

Miocene Chattahoochee 133	Dolomite: white to light greenish-gray, generally massive, to irregularly bedded below 162', variably sandy with sand generally increasing with depth, becoming dolomitic fine-grained sand at 170-175', slightly argillaceous, scattered thin MnO_2 layers macrofossils (molluscan molds) at 150-158', scattered algal forms, abundant clay intraclasts at 174-175' at contact with Oligocene limestone, N9 to 5GY8/1 Clay analyses as follows: 24.6% illite, 26.9% palygorskite, 48.5% smectite at 143'; 14.0% illite, 15.8% palygorskite, 70.2% smectite at 155'; 29.3% illite, 10.7% palygorskite, 60.0% smectite at 163'; 100.0% smectite at 173' ----------	42	175
Oligocene Suwannee 175	Limestone: white to very pale orange, granular, pelletal, soft and porous to dense, recrystallized and non-porous, structureless, few intervals of macrofossil molds, some intervals abundantly microfossiliferous with foraminifers and ostracods, N9 to 10YR8/2 Chert, dark gray at 215' ----------	65	240
	No samples ----------	350	590

T.D. 590

WELL NO: GGS 3545 ALTITUDE: 350 ft.
WELL NAME: Colquitt #11 TOTAL DEPTH: 1142 ft.
COUNTY: Colquitt DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Soil: fine sand ----------	2	2
In Middle Miocene Unnamed Sand and Clay 2	Sand: grayish-orange, medium-grained, moderately sorted, argillaceous, 10YR6/4 ----------	4	6
	Sand: mottled, very light gray to grayish-orange to grayish-red purple, medium-grained, moderately sorted, argillaceous, bedded, N8 to 10YR6/4 to 5RP4/2 ----------	5	11
	Clay: mottled, colors as above, slightly sandy ----------	11	22

Miocene Hawthorne Undif. 22	No samples	17	39
	Clay: mottled, greenish-gray to reddish-brown, sandy 5GY6/1 to 10R4/4 Clay analysis as follows: 78.7% kaolinite, 4.6% illite, 16.7% smectite at 40'	3	42
	No samples	16	58
	Clay: greenish-gray, sandy, 5GY6/1 Clay analyses as follows: 14.6% kaolinite, 15.0% illite, 70.4% smectite at 59'; 29.8% kaolinite, 70.2% smectite at 61'	4	62
	No samples	12	74
	Clay: greenish-gray to yellow, sandy with fine-grained, well sorted sand, 5GY6/1 to 5Y8/6 Clay analysis as follows: 38.6% kaolinite, 6.1% illite, 55.3% smectite at 75'	3	77
	No samples	10	87
	Sand: very light gray, fine-grained, well sorted quartz, N8 Clay analysis as follows: 39.9% kaolinite, 7.5% illite, 3.4% palygorskite, 0.2% sepiolite, 48.9% smectite at 89'	5	92
	Clay: grayish-yellow, very sandy fine-grained, 5Y8/4 Chert, moderate brown, 5YR4/4 at 98-99' Clay analysis as follows: 5.1% kaolinite, 11.8% palygorskite, 83.2% smectite at 97'	7	99
	No samples	8	107
	Clay: very light gray, sandy (fine-grained), slightly phosphatic at base of interval, N8 Clay analysis as follows: 70.7% palygorskite, 29.3% smectite at 109'	4	111
	No samples	10	121
	Clay: yellowish-gray, very sandy, slightly cherty and phosphatic, 5Y8/1 Clay analysis as follows: 37.6 % palygorskite, 54.0% smectite at 123'	3	124
	No samples	3	127
	Sand: very pale orange, very fine- to fine-grained, well sorted quartz, slightly argillaceous, 10YR8/2 Clay analysis as follows: 100.0% smectite at 131'	5	132
	Sand: very light gray to light greenish-gray, fine-grained, well sorted quartz, slightly argillaceous, very cherty at upper contact and in upper 10' of interval, clasts of dolomite at 142-146', N8 to 5GY8/1 Clay analyses as follows: 28.6% palygorskite, 71.4% smectite at 138'; 14.1% illite, 85.9% smectite at 145'; 10.4% illite, 89.6% smectite at 161'	32	164

	Dolomite: very pale orange, fine-grained, dense, sandy, slightly argillaceous, 10YR8/2 Clay analysis as follows: 37.5% illite, 6.0% palygorskite, 3.1% sepiolite, 53.4% smectite at 174' ----------	10	174
	Sand: light greenish-gray to greenish-gray, fine- to medium-grained, well sorted to moderately sorted, variably argillaceous with grayish-olive green (5GY3/2) clay, dolomitic with clasts of dolomite at intervals, 5GY8/1 to 5GY6/1 Poor recovery at 213-222' Clay analyses as follows: 63.2% illite, 36.8% smectite at 192'; 39.5% kaolinite, 38.6% illite, 21.9% smectite at 210'; 12.7% kaolinite, 60.0% illite, 27.3% smectite at 232' ----------	60	234
	Dolomite: white to light gray to greenish-gray, variably sandy and argillaceous, ranging from sandy, clayey dolomite to dolomitic, clayey sand and dolomitic clay to fine, sandy clay, some widely spaced intervals contain clay clasts, slightly calcareous at intervals, fossiliferous from 295-314', N9 to N7 to 5GY5/1, Poor sample recovery at 267-274' and 276-284' Clay analyses as follows: 30.0% kaolinite, 24.3% illite, 45.7% smectite at 244'; 35.9% palygorskite, 64.1% smectite at 252'; 34.0% illite, 9.8% sepiolite, 56.2% smectite at 275'; 27.4% illite, 35.0% sepiolite, 37.6% smectite at 290'; 21.1% illite, 78.9% smectite at 314' ----------	82	316
Oligocene Suwannee 316	Limestone: very light gray to pinkish-gray,, granular, recrystallized, fossiliferous with molds and casts of macrofossils and foraminifers, N8 to 5YR8/1 Chert, medium gray, at 316' ----------	22	338
Oligocene Undif. 338	Limestone: yellowish-gray to pale yellowish-brown, granular, calcarenitic, fossiliferous, with molds and casts of macrofossils, foraminifers, and bryozoans, slightly argillaceous at 380-382', 5Y7/2 to 10YR6/2 Lepidocyclina sp., Nummulites sp. at 354-361' -------	44	382
	No samples ----------	39	421
	Limestone: yellowish-gray to white, finely granular, abundantly fossiliferous, with Lepidocyclina sp. and Nummulites sp. throughout, 5Y7/2 ----------	10	431
	Limestone: yellowish-gray, finely granular, evenly textured, massive, slightly dolomitic, bioturbated, burrowed, smeared carbonaceous material at 433', 5Y8/1 ----------	9	440
	Dolomite: pale yellowish-brown, finely granular, massive, bioturbated and burrowed, 10YR7/2		

	Glauconitic and phosphatic at 490' ----------	50	490
	Limestone: yellowish-gray to white, very fine-grained to chalky, uniform, massive, consolidated, vaguely stratified and bioturbated at intervals, with scattered beds of darker dolomite, and scattered olive gray to brownish-black chert, upper 9' has burrows and voids filled with material from interval above 490', 5Y7/2 to 5Y8/1 to N9 *Possible early Oligocene at 519.5' Poor recovery at 562-570' and 574-582' ----------	208	698
U. Eocene Undif. 698	Dolomite: olive brown, hard, dense, crystalline, 5Y5/4 ----------	2	700
	Limestone: yellowish-gray, granular, calcarenitic, glauconitic, macrofossiliferous with Discocyclina sp. and Nummulites sp., 5Y8/1 ----------	10	710
	Dolomite: olive gray, fine-grained, to saccharoidal, bioturbated, with pyrite and associated glauconite at 715', 5Y5/1 ----------	5	715
	Limestone: yellowish-gray, to greenish-gray, fine-grained, calcarenitic, soft, slightly fossiliferous above 760', more coarsely fossiliferous below 760', rare glauconite and pyrite above 760', coarsely glauconitic and pyritic below 760', recrystallized at bottom of interval, 5Y8/1 to 5GY6/1 *Late Eocene or early Oligocene at 752' Asterocyclina sp., Nummulites sp., algae at 775' Nummulites sp., bryozoans, mollusks at 782' ----------	76	791
M. Eocene Lisbon 791	Sand: greenish-gray to very light gray, fine- to medium-grained, generally well sorted quartz, calcareous, slightly argillaceous with common accessory heavy minerals, abundantly glauconitic, silty and generally more fine-grained below 980', generally structureless to somewhat mottled, unconsolidated to partially consolidated, locally bioturbated, phosphatic below 950' with widely scattered thin layers of Limestone; hard, consolidated, sandy, locally micaceous (biotite and muscovite), fossiliferous at intervals, 5GY5/1 to 5GY6/1 to N8 *Middle Eocene at 813.5' *Middle Eocene at 907' *Middle Eocene at 1050' Pyritic at 1055-1060' Chert common from 997-1041' Cubitostrea sp. at 862' Cibicides westi, Hantkenina sp. at 903' Spicules at 994', 1032-1113' Dolomitic at 1111-1113' Poor recovery at 821-828, 835-842, 856-859', 915-921', 1007-1013', 1027-1032' ----------	322	1113

M. Eocene Tallahatta 1113		Sand: greenish-gray to grayish-green, medium-grained, well sorted, massive, coarsely and abundantly glauconitic, grading to greensand with depth, slightly calcareous, dolomitic at top of interval, slightly phosphatic (pelletal) from 1124'-1140', crude stratification between sand and glauconite in bottom 2' of interval, 5GY6/1 to 10G4/2 *Late early Eocene or middle Eocene at 1124' --------	29	1142

T.D. 1142

*Age determination by L. Edwards, U. S. Geological Survey, using dinoflagellate assemblages.

WELL NO: GGS 105 ALTITUDE: 272 ft.
WELL NAME: Mrs. Bryant Gaskins TOTAL DEPTH: 280 ft.
COUNTY: Cook DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		No samples ----------	10	10
In Miocene Hawthorne Undif. 10	In Pliocene to Recent(?) 10	Sand: fine- to medium-grained, with some Clay; red, sandy ----------	30	40
	Miocene Hawthorne 40	Clay: pale green to light gray, sandy ----------	10	50
		Clay: light gray, sandy, with phosphate grains ----------	10	60
		No Samples ----------	10	70
		Sand: mostly fine- to medium-grained, with some Clay; light gray, sandy ----------	60	130
	Miocene Tampa 130	Sand: fine- to medium-grained, with Limestone; sandy, increasing in amount with increased depth ----------	70	200
		Dolomitic Rock: light brown, sandy, with Sand; fine- to coarse-grained ----------	20	220
		Limestone: white, sandy, with some Sand; fine- to medium-grained, and fragments of Dolomitic Rock; light brown ----------	60	280
T.D. 280	T.D. 280			

WELL NO: GGS 114 ALTITUDE: 235 ft.
WELL NAME: Dave Jackson TOTAL DEPTH: 232 ft.
COUNTY: Cook DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Pliocene to Recent(?) 0	Sand: fine- to medium-grained	40	40
		Sand: fine- to medium-grained, with inclusions of white kaolin	10	50
	Miocene Hawthorne 50	Clay: green, sandy, with phosphate grains	120	170
		Clay: green, sandy, with phosphate grains, and some Limestone; sandy Abundant chert at 180 - 190'	30	200
	Miocene Tampa 170	Sand: fine- to medium-grained, with phosphate grains	20	220
		No samples	12	232
T.D. 232	T.D. 232			

WELL NO: GGS 682 ALTITUDE: 232 ft.
WELL NAME: City of Adel #4 TOTAL DEPTH: 359 ft.
COUNTY: Cook DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Miocene to Pliocene Series 0	Sand: white to very pale orange to grayish-orange, medium- to very coarse-grained, poorly sorted, subangular to subrounded, clear quartz, sparse accessory iron minerals, 10YR8/2 to 10YR7/4	42	42
Miocene Hawthorne Undif. 42	Miocene Series 42	Sand: grayish-orange, fine- to coarse-grained, poorly sorted, subangular quartz, argillaceous, with white polished phosphate grains common at bottom of interval, 10YR7/4	92	134
		Clay: yellowish-gray, and Sand; fine- to medium-grained, well sorted, subangular, clear quartz, 5Y8/1	10	144

		Sand: white to yellowish-gray, fine- to medium-grained, well sorted, subangular quartz, argillaceous, 5Y8/1	75	219
		Chert: yellowish-gray, sandy, 5Y8/1	10	229
		Sand: very pale orange, very fine- to fine-grained, well sorted, subangular quartz, 10YR8/2	11	240
Oligocene Suwannee 240	Oligocene Suwannee 240	Limestone: white, fossiliferous, firmly cemented	20	260
		No samples	99	359
T.D. 359	T.D. 359			

WELL NO: GGS 684 ALTITUDE: 295 ft.
WELL NAME: City of Lenox #2 TOTAL DEPTH: 500 ft.
COUNTY: Cook DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Miocene Undif. 0	Clay: mottled, sandy, with some interbedded Sand; fine- to coarse-grained, subangular to subrounded grains, arkosic	50	50
Miocene Hawthorne Undif. 50		Clay: pale green, sandy, with some interbedded Limestone; white to light brown at depth, saccharoidal, sandy	200	250
		Dolomitic Rock: brown, saccharoidal, fossiliferous, with molds and impressions of molluscan shells	10	260
Oligocene Undif. 260	Oligocene Suwannee 260	Limestone: cream to light brown, nodular, saccharoidal, fossiliferous, with foraminifers Quinqueloculina sp., Pararotalia mexicana var. at 260 - 270' Lepidocyclina undosa? at 280 - 290' Dictyoconus sp. at 410 - 420'	200	460
U. Eocene Ocala Undif. 460	U. Eocene Ocala 460	Limestone: white, chalky, saccharoidal, fossiliferous, with common to abundant larger foraminifers Lepidocyclina sp. at 460 - 470' Planulina kendrickensis, Asterocyclina sp. at 490 - 500'	40	500
T.D. 500	T.D. 500			

WELL NO: GGS 966 ALTITUDE: 241 ft.
WELL NAME: USGS Adel Test Well TOTAL DEPTH: 865 ft.
COUNTY: Cook DESCRIBED BY: S. M. Herrick and GGS

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Miocene Undif. 0	Sand: fine- to coarse-grained, subangular to subrounded grains	10	10
		Clay: mottled, sandy, limonitic	20	30
In Miocene Hawthorne Undif. 30		Clay: tan, very sandy, limonitic, with kaolin inclusions	40	70
		Clay: dark brownish-green, blocky, sandy, phosphatic, with some interbedded Sand; fine- to medium-grained, subangular to subrounded grains	15	85
		Lithology as above: with some interbedded Limestone; white, saccharoidal, sandy, cherty	65	150
		Lithology as above: but predominantly Limestone; white to light brown, saccharoidal, sandy	45	195
Oligoene Undif. 195	Oligocene Suwannee 195	Limestone: cream to brown, saccharoidal, fossiliferous, with foraminifers Pararotalia mexicana var. at 195 - 200' Asterigerina subacuta, Pararotalia mexicana var. at 205 - 210' Lepidocyclina sp. at 280' Dictyoconus sp. at 280 - 285' Nummulites cf. panamensis at 385 - 390'	220	415
U. Eocene Ocala Undif. 415	U. Eocene Ocala 415	Limestone: cream, saccharoidal, fossiliferous, with foraminifers Heterostegina ocalana?, Lepidocyclina sp. Asterocyclina sp. at 415 - 420' Nummulites mariannensis at 420 - 425'	25	440
		Dolomitic Rock: dark brown, saccharoidal, with some cream saccharoidal (latter at depth), gypsiferous and fossiliferous at certain levels, with foraminifers Crystals of gypsum common at 520 - 525' Amphistegina pinarensis var. at 575 - 580'	415	855
M. Eocene Claiborne Undif. 855		Limestone: granular, dolomitic, phosphatic	10	865
T.D. 865	T.D. 865			

WELL NO: GGS 1264 ALTITUDE: 265 ft.
WELL NAME: USGS TW #2 TOTAL DEPTH: 220 ft.
COUNTY: Cook DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Micoene Altamaha 0	Miocene to Pliocene Series 0	Clay: white to grayish-orange, sandy, with accessory iron minerals (10YR7/4)	10	10
		Sand: grayish-orange to white, medium- to coarse-grained, poorly sorted, subangular quartz, 10YR7/4	25	35
Miocene Hawthorne Undif. 35		Sand: grayish-orange pink to very dark red, medium-grained, well sorted, subangular quartz, argillaceous, with accessory iron minerals, 10R8/2 to 5R2/6	50	85
	Miocene Series 85	Clay: white, sandy, phosphatic	30	115
		Sand: yellowish-gray, fine-grained, well sorted, subangular, clear quartz, argillaceous, calcareous, phosphatic, 5Y8/1	20	135
		Sand: yellowish-gray, fine- to medium-grained, well sorted, subangular, clear quartz, argillaceous, calcareous, 5Y8/1	53	188
Miocene Chattahoochee(?) 188		Limestone: yellowish-gray, firmly cemented, sandy, with sparse fossils, 5Y8/1	22	210
		No samples	10	220
T.D. 220	T.D. 220			

WELL NO: GGS 1423 ALTITUDE: 245 ft.
WELL NAME: City of Cecil #1 TOTAL DEPTH: 308 ft.
COUNTY: Cook DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		Not examined	195	195
In Miocene Hawthorne Undif. 195	In Miocene Undif. 195	Limestone: cream to light brown, saccharoidal, sandy, cherty, with some interbedded Clay; pale green, blocky, sandy	20	215
Oligocene Suwannee 215	Oligocene Suwannee 215	Limestone: cream, nodular, saccharoidal, fossiliferous, with foraminifers <u>Pararotalia mexicana</u> var. at 215 - 220' <u>Dictyoconus</u> sp., <u>Lepidocyclina undosa</u> at 265 - 270'	60	275
		Not examined	33	308
T.D. 308	T.D. 308			

WELL NO: GGS 1497 ALTITUDE: 231 ft.
WELL NAME: Otis Forsautle TOTAL DEPTH: 230 ft.
COUNTY: Cook DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene to Pliocene Series 0	Sand: white to pale red, medium- to very coarse-grained, poorly sorted, subangular quartz, 10R6/2	20	20
		Sand: pale yellowish-orange to dark yellowish-orange, medium- to very coarse-grained, poorly sorted, subrounded quartz, 10YR8/6 to 10YR6/6	20	40
Miocene Hawthorne Undif. 40	Miocene Series 40	Clay: pale yellowish-brown, and Sand; fine- to medium-grained, moderately sorted, subangular quartz, 10YR6/6	20	60
		Sand: white, fine- to medium-grained, well sorted, subangular quartz, argillaceous, with interlayered Limestone; sandy Chert at 60-70'	120	180

Miocene Chattahoochee 180		Limestone: yellowish-gray, sandy, firmly cemented, 5Y8/1 ----------	20	200
Oligocene Suwannee 200	Oligocene Suwannee 200	Limestone: yellowish-gray, recrystallized, dolomitic(?), 5Y8/1 ----------	10	210
		No samples ----------	20	230
T.D. 230	T.D. 230			

WELL NO: GGS 1576
WELL NAME: Lake View Church
COUNTY: Cook
ALTITUDE: 295 ft.
TOTAL DEPTH: 370 ft.
DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Sand: moderate reddish-brown, fine- to coarse-grained, iron stained, and Clay, 10R4/6 ----------	20	20
In Miocene Hawthorne Undif. 20	Sand: pale reddish-brown, fine- to coarse-grained, silty, micaceous, 10R5/4 ----------	20	40
	Sand: pale yellowish-brown, fine- to medium-grained, and Clay; yellowish to white, 10YR6/2 ----------	60	100
	Sand: pale yellowish-brown to light grayish-orange, fine- to coarse-grained, and Clay; unconsolidated to laminar, Dolomite; white, microcrystalline, sandy, abundant phosphate grains, and sparse Chert, 10YR6/2 to 10YR7/4 ----------	100	200
	Clay: white, hackly, and Sand; fine- to medium-grained, with Limestone; sandy, phosphatic at depth ----------	40	240
	Dolomite and Limestone: light bluish-gray, sandy, limestone is microcrystalline, contains macroshell fragments, 5B7/1 to 5Y8/1 ----------	20	260
	Dolomite: light olive-gray to dark gray, sandy, finely crystalline, with macroshell fragments and molds Sorites sp. at 260-270' ----------	110	370
T.D. 370			

WELL NO: GGS 1638 ALTITUDE: 268 ft.
WELL NAME: R. E. Stripling TOTAL DEPTH: 320 ft.
COUNTY: Cook DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined	110	110
In Miocene Hawthorne Undif. 110	Sand: clear, subrounded, with phosphate grains, and Clay; white, sparse	10	120
	Clay: pale yellowish-gray, hackly, and Chert; gray, 5Y8/1	10	110
	Sand: moderate yellowish-brown, fine- to coarse-grained, and Chert; brown, translucent, 10YR5/4	10	140
	Sand: clear, fine-grained, with minor Clay and Chert	30	170
	Sand: very pale orange, fine- to medium-grained, and Dolomite: light brown, sandy, tough, indurated	20	190
	Sand: light olive-gray, fine-grained, calcite cemented, with Clay; olive-gray, laminar Pelecypod molds and fragments at 210-220'	40	230
Miocene Chattahoochee 230	Dolomite: pale yellowish-brown to pale yellowish-gray, finely crystalline, sandy, 10YR6/2 to 5Y8/1 Quartz pebbles at 230-240'	60	290
Oligocene Suwannee 290	Limestone: very pale orange to light brown, tough, with miliolids, 10YR8/2	10	300
	Limestone: granular with recrystallized foraminifera, coralline algae <u>Pararotalia mexicana</u> at 300-320'	20	320

T.D. 320

WELL NO: GGS 1927 ALTITUDE: 290 ft.
WELL NAME: George Medford TOTAL DEPTH: 580 ft.
COUNTY: Cook DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: yellowish-gray, fine- to very coarse-grained, with minor amount of Clay Feldspar and muscovite at 22-44'	66	66
	Sand: light yellowish-gray to very pale orange, fine-grained, with white clay matrix, 10YR8/2 - 5Y7/2	44	110
	Clay: light yellowish-gray, hackly, micaceous, with minor Sand, 5Y7/2 White feldspar at 132-154'	44	154
Miocene Hawthorne Undif. 154	Clay: sandy, and Sand; clay cemented, with heavy minerals	22	176
	Clay: greenish-gray, hackly, slightly sandy, 5G6/1	22	198
	Clay: light yellowish-gray, and Chert; white, 5Y7/2	22	220
	Sand and Clay: yellowish-gray, poorly sorted, 5Y8/1-5Y7/2	66	286
	Sand: pale yellowish-gray, medium- to coarse-grained, subangular, white feldspar, and coarse mica, and Clay; white	22	308
	Sand: pale yellowish-gray, medium- to coarse-grained, and Clay; white, siliceous to cherty, 5Y8/1	22	330
	Clay: whitish, hackly, and Sand; coarse-grained, coarsely micaceous, with white feldspar	44	374
	Dolomite: microcrystalline, sandy, contains pelecypod molds and fragments Sorites sp. at 396-418'	44	418
	Clay: pale yellowish-gray, calcareous, and Sand; in dolomitic matrix, 5Y8/1	22	440
	Dolomite: very light gray to light yellowish-gray, microcrystalline, finely sandy, with phosphate grains, 5Y7/2 - N8 Fish teeth (rare) at 440-462'	40	480
	Dolomite: greenish-gray to light yellowish-gray, very fine-grained, crystalline, sandy, and Clay; greenish-gray, 5G6/1 - 5Y8/1 Macroshell molds, worm tubes, echinoid fragments at 500-520' Ray teeth at 520-540'	80	560
	Sand: very light gray, fine-grained with dolomitic matrix, phosphate grains, N8	20	580

T.D. 580

WELL NO: GGS 1969 ALTITUDE: 222 ft.
WELL NAME: A. T. Meyers TOTAL DEPTH: 300 ft.
COUNTY: Cook DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined	200	200
In Miocene Hawthorne Undif. 200	Limestone: light greenish-gray, recrystallized, micritic, argillaceous, very sandy, with Sand; fine- to coarse-grained, subangular to subrounded grains, and Dolomite; blue, dense, sandy Macroshell fragments and pale brown, finely crystalline dolomite at 220-230'	30	230
	Limestone: very argillaceous, sandy, and Dolomite; brown, saccharoidal, and Sand; fine- to coarse-grained, angular to subrounded grains, and Clay; sandy Macroshell fragments at 230-240'	10	240
Oligocene Suwannee 240	Limestone: very pale orange, recrystallized, bioclastic, with bivalve fragments, bryozoans, and foraminifers Pararotalia mexicana, Amphistegina chipolensis at 250-260'	60	300

T.D. 300

WELL NO: GGS 3350 ALTITUDE: 205 ft.
WELL NAME: City of Adel S.T.P. TOTAL DEPTH: 440 ft.
COUNTY: Cook DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Sand: very pale orange to grayish-orange, fine- to coarse-grained, iron stained, iron cemented in part, and Clay; white, hackly, dense, 10YR8/2 - 5YR7/4	50	50
	Clay: white, sandy in part, and Sand; as above, with phosphate grains, 10YR8/2	30	80
	Sand: fine- to coarse-grained, some has cherty matrix, and Clay; white, siliceous	10	90
	Sand: yellowish-gray, fine-grained, with a cherty matrix, and Chert; sandy, pyritic, and Clay; as above, 5Y8/1	20	110
	Chert: reddish, sandy, pyritic, and Sand; clear, poorly sorted, and Clay; gray	20	130

Miocene Chattahoochee 130	Dolomite: light yellowish-gray fine-grained, sandy, rarely cherty, with white, micritic limestone inclusions, and mollusk shell molds, 5Y8/1 ----------	40	170
Oligocene Suwannee 170	Limestone: pale yellowish-gray, very finely crystalline, bioclastic, porous, becoming less so at depth, and Chert; sparse, and Clay; gray, hackly, rare, 5Y8/1 Miliolids, Pararotalia mexicana at 170-180' Sorites sp., echinoids at 180-190' ----------	50	220
	Limestone: white to very pale orange, granular, with recrystallized foraminifers, coralline algae, and echinoid fragments, 10YR8/2 ----------	20	240
	Limestone: very pale orange, very finely crystalline, with algal nodules (rare), quartz pebbles, and Dolomite; bluish, pyritic, 10YR8/2 Dictyoconus sp., Lepidocyclina sp. at 240-250' ------	40	280
Oligocene Undif. 280	Limestone: very pale orange, granular, bioclastic, with fragments of bryozoans, coralline algae, miliolids, mollusks, worm tubes, echinoids, and recrystallized foraminifera, 10YR8/2 Discorinopsis sp.(?) at 280-190' Sorites sp., Lepidocyclina sp. at 300-310' ----------	40	320
	Limestone: very pale orange, granular, bioclastic, containing abundant recrystallized foraminifers, and Dolomite; light brown, finely crystalline, saccharoidal, increasing at depth, 10YR8/2 Dictyoconus sp., Pararotalia mexicana at 320-340' ----------	40	360
U. Eocene Ocala Undif. 360	Limestone: very pale orange, bioclastic, moderately indurated, with bryozoans and abundant corraline algae crusts and nodules, 10YR8/2 Asterocyclina sp., Lepidocyclina sp., Nummulites floridensis, Nummulites sp. at 360-370' ----------	20	380
	Dolomite: light olive-gray, finely crystalline, and Limestone; light brown, fine-grained, pyritic, 5Y7/1 ----------	10	390
	Limestone: same as 360-380' ----------	10	400
	Dolomite: grayish-orange to light brown, finely saccharoidal, 10YR7/4 ----------	40	440
T.D. 440			

WELL NO: GGS 10 ALTITUDE: 130 ft.
WELL NAME: U.S. Gov't Basic Flying Field TOTAL DEPTH: 422 ft.
COUNTY: Decatur DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
		No samples	30	30
Residuum 30	Residuum 30	Sand: medium- to coarse-grained, and Clay; mottled, sandy	52	82
In U. Eocene Ocala Undif. 82	In U. Eocene Ocala 82	Limestone: recrystallized, calcitized Discocyclina sp., Amphistegina pinarensis(?) Sphaerogypsina globula at 155'	213	295
	M. Eocene Claiborne(?) 295	Limestone: as above, with Dolomite; light brown, saccharoidal	20	315
		Dolomite: light brown, saccharoidal Nummulites sp. at 315-330'	15	330
M. Eocene Claiborne Undif. 330		Limestone: white, fossiliferous, glauconitic Nummulites sp., Discocyclina sp. common at 330-340'	10	340
	M. Eocene Claiborne 360	Limestone: as above, becoming gray, finely glauconitic at depth	33	373
		Marl: light gray, finely glauconitic	49	422
T.D. 422	T.D. 422			

WELL NO: GGS 749 ALTITUDE: 290 ft.
WELL NAME: J. Gardner TOTAL DEPTH: 274 ft.
COUNTY: Decatur DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene to Pleistocene Series 0	Sand: very pale orange, fine- to very coarse-grained, poorly sorted, subangular quartz, argillaceous, 10YR8/2	20	20
		Clay: grayish-yellow, silty, 5Y8/4	10	30
		Sand: dark yellowish-orange, medium- to coarse-grained, moderately well sorted, subangular quartz, argillaceous, 10YR6/6	10	40
		Sand: white, fine- to medium-grained, well sorted, subangular quartz	20	60

		Silt: yellowish-gray, and Sand; fine-grained, well sorted, subangular quartz, 5Y7/2	10	70
		Sand: dark yellowish-orange, medium- to coarse-grained, moderately well sorted, subangular quartz, 10YR6/6	30	100
Miocene Hawthorne Undif. 100	Miocene Series 100	Clay: light olive gray, silty, with fragments of Limestone; white, sandy, 5Y6/1	40	140
		Limestone: white to yellowish-gray, sandy, slightly argillaceous, 5Y7/2		
		Sorites sp. at 210-220	80	220
		Not examined	54	274
T.D. 274	T.D. 274			

WELL NO: GGS 824
WELL NAME: W. Wright
COUNTY: Decatur

ALTITUDE: 299 ft.
TOTAL DEPTH: 245 ft.
DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene Series(?) 0	Sand: pale yellowish-orange to light brown, fine- to medium-grained, well sorted, subangular quartz, argillaceous, 10YR8/6 to 5YR5/6	80	80
Miocene Hawthorne Undif. 80	Miocene Series 80	Sand: yellowish-gray, fine- to medium-grained, moderately well sorted, subangular quartz, phosphatic, 5Y7/1	20	100
		Sand: white, fine- to coarse-grained, moderately sorted, subrounded quartz, phosphatic, with calcareous fragments common	60	160
		Sand: bluish-white, fine- to medium-grained, well sorted, subangular quartz, and Clay; dark yellowish-orange, 5B9/1	5	165
		Sand: yellowish-gray to white, medium- to coarse-grained, moderately well sorted; subangular quartz, with abundant Limestone; white, sandy, 5Y7/2	30	195
		Sand: greenish-gray, fine-grained, well sorted, subangular quartz, silty, 5GY6/1	10	205
Miocene Chattahoochee 205		Limestone: yellowish-gray to white, sandy, argillaceous, 5Y8/1	25	230
		No samples	15	245
T.D. 245	T.D. 245			

WELL NO: GGS 196 ALTITUDE: 209 ft.
WELL NAME: Roddenberry Pickle Co. TOTAL DEPTH: 1206 ft.
COUNTY: Grady DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Undif. 0	Sand: yellowish-gray, fine-grained, well sorted, with traces of clay and heavy minerals, 5Y8/1	20	20
	No samples	30	50
	Sand: very pale orange, fine-grained, poorly sorted, dolomitic, cherty, with lignite and heavy minerals, 10YR8/2	110	160
	Dolomite: light olive gray to very light gray, fine-grained, sandy, Limestone; fine-grained, sandy, Clay; calcareous, 5Y8/1 to N8	205	365
Oligocene/ Upper Eocene Undif. 365	Dolomite: yellowish-gray, fine-grained, Sand; fine-grained, moderately sorted, with heavy minerals and trace of glauconite, 5Y8/1	35	400
	Dolomite: pale yellowish-brown, Limestone; granular to fine-grained, with gypsum, Sand; medium-grained, poorly sorted, with gypsum, 10YR6/2	130	530
	Dolomite: pale yellowish-brown, Limestone; fine-grained to finely granular, slightly sandy, with trace of lignite, 10YR6/2	130	660
	Dolomite: yellowish-gray, Sand; fine-grained moderately sorted, Limestone; fine-grained to finely granular, with traces of heavy minerals and lignite, 5Y8/1 *Bulimina sculptilis* at 700 to 765'	240	900
	Sand: yellowish-gray, medium- to fine-grained, poorly sorted, dolomitic, calcareous, with traces of chert and heavy minerals, 5Y8/1	130	1030
	Sand: pinkish-gray, fine- to medium-grained, poorly to moderately sorted, calcareous, dolomitic, Chert; cryptocrystalline, translucent, conchoidal fracture, 5YR8/1	155	1185
	Limestone: pinkish-gray, finely drusy, 5YR8/1	21	1206

T.D. 1206

WELL NO: GGS 801 ALTITUDE: 163 ft.
WELL NAME: Robert C. Balfour TOTAL DEPTH: 226 ft.
COUNTY: Grady DESCRIBED BY: C. W. Sever and GGS

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Pleistocene Fluvial Terrace	Pleistocene Series 0	Sand: yellowish-orange, poorly sorted, fine- to coarse-grained, with fine pebble gravel common, argillaceous, silty, 10YR7/4 ----------	20	20
Miocene Hawthorne Undif. 20	Miocene Series 20	Clay: light greenish-gray, silty to sandy, and Limestone; white, sandy, 5GY8/1 ----------	15	35
		Sand: white to very light gray, somewhat indurated, with calcite cement, and interbedded Limestone; white, sandy, N9 to N8 ----------	10	45
		Limestone: white to light gray, sandy, dense, N9 to N7 --	35	80
		Limestone: white to light gray, sandy, dolomitic, fossiliferous, at certain levels abundantly fossiliferous (coquina) and Sand; interbedded, N9 to N7 ----------	85	165
		Sand: white, fine-grained, well sorted, subangular grains, calcareous fragments common, N9 ----------	5	170
		Dolomite: light brown to light olive-gray, saccharoidal, sandy, 5YR6/4 to 5Y6/1 ----------	15	185
		Limestone: light gray, sandy, somewhat recrystallized, fossiliferous, with smaller foraminifers, and Dolomite; as above, N7 ----------	5	190
Oligocene Suwannee 190	Oligocene Series 210	Limestone: light olive-gray, granular, calcarenitic, fossiliferous, with macroshell impressions, echinoid fragments, and miliolids, 5Y6/1 ----------	25	215
		No samples ----------	11	226
T.D. 226	T.D. 226			

WELL NO: GGS 883 ALTITUDE: 238 ft.
WELL NAME: Dr. Ferrance TOTAL DEPTH: 482 ft.
COUNTY: Grady DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene to Pleistocene Series 0	Sand: moderate orange pink to pale brown, fine- to medium-grained, fairly well sorted, subangular to subrounded quartz, argillaceous, with hematite at top of interval, 10R7/4 to 5YR5/2	35	35
		Sand: moderate orange pink, medium- to very coarse-grained, moderately sorted, subangular quartz, argillaceous, 5YR8/4	15	50
Miocene Hawthorne Undif. 50	Miocene Series 50	Clay: pale olive, sandy, 10Y6/2	15	65
		No samples	40	105
		Sand: pale olive, fine- to medium-grained, fairly well sorted, subangular quartz, and Limestone; white, sandy fragments common, 10Y6/2	15	120
		Limestone: white, with Sand; fine-grained	25	145
		Sand: white, fine-grained, well sorted, subangular quartz, and Limestone; white	79	224
		Limestone: light gray to yellowish-gray, fossiliferous, and Sand; medium-grained, moderately sorted, subangular quartz, N7 to 5Y8/1 <u>Archaias floridanus</u> (Conrad) common at 235-240'	48	272
		Marl: yellowish-gray, silty, pyritic, with Sand; fine-grained, well sorted, subrounded quartz, and interbedded Limestone; white, sandy, 5Y8/1	111	383
		Marl: white, with Sand; fine-grained, well sorted, subrounded quartz, phosphatic, and interbedded Limestone; white, sandy	77	460
Oligocene Undif. 460	Oligocene Suwannee 460	Limestone: white, dense, fossiliferous, with fragments of saccharoidal dolomite common	22	482
T.D. 482	T.D. 482			

WELL NO: GGS 884 ALTITUDE: 239 ft.
WELL NAME: Pope Museum TOTAL DEPTH: 595 ft.
COUNTY: Grady DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene to Pleistocene Series 0	Sand: pale red, fine- to medium-grained, moderately sorted, subangular quartz, with mica and iron minerals common, 10R6/2	5	5
		Sand: dark yellowish-orange, fine-grained, well sorted, subangular quartz, with mica and abundant iron minerals, 10YR6/6	60	65
Miocene Hawthorne Undif. 65	Miocene Series 65	Sand: dark yellowish-orange to very pale orange, fine- to medium-grained, well sorted, subangular quartz, with accessory iron minerals and abundant chert, and Clay; white, 10YR6/6 to 10YR8/2	38	103
		Sand: pale greenish-yellow, fine- to medium-grained, moderately sorted, angular to subangular quartz, argillaceous, with calcareous cement and accessory iron minerals and chert common, 10R8/2	62	165
		Sand: greenish-gray, fine-grained with medium to coarse grains common, moderately sorted, subrounded quartz, frosted grains common, argillaceous, with fragments of calcareous-cemented sand and varying amounts of accessory iron minerals, 5GY6/1	45	210
		Sand: greenish-gray, argillaceous, with calcareous cement, casts and molds of megafossils sparse, possibly dolomitized, 5G6/1	50	260
		Limestone: white to light gray, firmly cemented, with casts and molds of megafossils, and Sand; medium- to very coarse-grained, poorly sorted, subrounded to subangular quartz, N7	41	301
		Sand: white, argillaceous, with calcareous cement, accessory iron minerals at bottom of interval Phosphatic at 350-360'	137	438
		Clay: greenish-gray, Sand; fine- to medium-grained, well sorted, subangular quartz, and interbedded Limestone; sandy, 5GY6/1	34	472
Oligocene Undif. 472	Oligocene Undif. 472	Limestone: yellowish-gray, saccharoidal, completely recrystallized, 5Y7/2	78	550
		No samples	45	595
T.D. 595	T.D. 595			

WELL NO: GGS 916 ALTITUDE: 233 ft.
WELL NAME: Ira Lee TOTAL DEPTH: 210 ft.
COUNTY: Grady DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Miocene to Pleistocene Undif. 0	Miocene Series 0	Sand: yellowish-gray, fine- to very coarse-grained, poorly sorted, subrounded, clear quartz, 5Y7/2	60	60
		Sand: yellowish-gray, fine- to very coarse-grained, poorly sorted, subrounded quartz, argillaceous, with Limestone; white, sandy, and sparse lignite, 5Y7/2	10	70
Oligocene Suwannee 70	Oligocene Suwannee 70	Limestone: white, fossiliferous, recrystallized Asterigerina subacuta, Pararotalia mexicana, Sphaerogypsina globula, Lepidocyclina sp., Nummulites sp., Dictyoconus sp., at 70-80'	115	185
Oligocene Undif. 185		Limestone: grayish-orange pink, dolomitic, saccharoidal, 5YR7/2	20	205
		No samples	5	210
T.D. 210	T.D. 210			

WELL NO: GGS 962 ALTITUDE: 205 ft.
WELL NAME: USGS Cairo Well TOTAL DEPTH: 965 ft.
COUNTY: Grady DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Sand: very pale orange, fine- to medium-grained, sub-angular grains, with sparse heavy minerals, 10YR8/2	20	20
	Sand: yellowish-gray, as above, with trace of biotite, tourmaline, and phosphate grains, and Clay; sparse, with sponge spicules, 5Y8/1	15	35
	Sand: very pale orange, fine-grained, with sparse heavy minerals, phosphate grains, sparse biotite and pyrite, and Clay; calcareous, sandy, with sponge spicules, and Chert; sparse, 10YR8/2	80	115

Clay: white, calcareous, sandy, and Limestone; very pale orange, dolomitic, and Sand; as above, 10YR8/2 ------	10	125
Limestone: very pale orange, sandy, dolomitic, sucrosic in part, and Clay and Sand; as above, 10YR8/2 -------	35	160
Limestone: very pale orange to yellowish-gray, sandy, dense, slightly dolomitic, and Sand; very fine- to fine-grained, angular to subangular grains, and Dolomite; finely sucrosic, sandy, and Clay; orange to pale olive-green, sandy, 10YR8/2 to 5Y8/1 Macroshell fragments at 195 - 200' ----------	80	240
Limestone: light gray, sandy, fossiliferous, with oyster shell fragments, and Sand; very fine- to medium-grained, moderately sorted, angular grains, N7 ------	10	250
Dolomite: light gray, fine-grained, sucrosic, moderately porous to dense, with calcite vugs, sandy, with trace of phosphate, N7 ----------	40	290
Limestone: very light gray, dolomitic, very fine-grained, somewhat porous, sandy, and Sand; very fine- to medium-grained, well sorted, angular grains, with sparse phosphate and heavy minerals, N8 ----------	20	310
Limestone: white, dense, finely sandy, pyritic, fossiliferous, with nacreous shell fragments and echinoid remains, and Clay; green to orange, waxy, with phosphate grains, N9 ----------	20	330
Dolomite: light gray, very finely sucrosic, finely sandy, fossiliferous, with poorly preserved fauna, and phosphate grains, and Clay; pale green, rare, N7 --------	35	365
No samples ----------	5	370
Sand: very light gray, fine- to medium-grained, angular grains, with phosphate grains, traces of muscovite and pyrite, and Dolomite; as above, N8 ----------	20	390
Dolomite: white to very light gray, very fine-grained, granular to crystalline, sandy, with phosphate grains, and Sand; very fine- to fine-grained, well sorted, angular grains, N9 to N8 ----------	20	410
Limestone: very pale orange to medium light gray, crystalline, sandy, pyritic, fossiliferous, with gastropods and bryozoan remains, 10YR8/2 to N6 ----------	10	420
Dolomite: very light gray to yellowish-gray, very fine-grained, sandy, with phosphate grains, and Sand; fine- to medium-grained, angular grains, with trace of pyrite, N8 to 5Y8/1 ----------	20	440
Sand: very light gray, fine- to medium-grained, well sorted, angular grains, with phosphate grains, sparse heavy minerals, N8 ----------	10	450
Dolomite: yellowish-gray, very fine-grained, dense to porous and vuggy, pyritic, slightly sandy, 5Y8/1 ----------	15	465
Clay: greenish-gray, dolomitic, pyritic, and Dolomite; as above, 5GY6/2 ----------	6	471

Oligocene Undif. 471	Limestone: yellowish-gray, granular, dolomitic in part, very fossiliferous, with echinoid and bryozoan remains, crab claws, pelecypods, and ostracods, 5Y7/2 Asterigerina subacuta, Guttulina sp., and Elphidium sp. at 471 - 475' Nonion advenum, Falsocibicides sp., Reussella sp., and Pararotalia mexicana at 475 - 480' ----------	19	490
	Limestone: very pale orange, granular, bioclastic, porous, dolomitic, and Dolomite; crystalline, and Clay; green, dolomitic, and Chert; green to orange, and Sand; very fine- to medium-grained, angular grains, 10YR8/2 ----------	20	510
	Dolomite: yellowish-orange to yellowish-brown, sucrosic, pyritic in part, and Sand; medium-grained, angular grains, and Clay; green, calcareous, 10YR7/6 to 10YR6/4 ----------	60	570
	Limestone: very pale yellowish-brown, granular, very dolomitic, 10YR7/2 ----------	10	580
	Dolomite: very pale yellowish-brown, very pale orange, and yellowish-gray, very finely sucrosic, pyritic and sandy in part, 10YR7/2, 10YR8/2, and 5Y7/2 ----------	90	670
	Limestone and Dolomite: yellowish-gray, limestone is finely granular, silty, dolomitic, and fossiliferous, dolomite is finely sucrosic, pyritic in part, with gypsum at certain levels, 5Y7/2 Lenticulina sp., Dentalina sp., and Eponides obesa at 715 - 720' Globigerina eocaena, Cibicides sp., Bolivina sp., Uvigerina cf. vicksburgensis, Eponides mariannensis, Anomalina bilateralis, and Globigerina cf. tripartita at 725 - 730' Uvigerina cf. jacksonensis and Cibicides pippenei at 765 - 770' Lenticulina cf. vicksburgensis, Uvigerina cf. jacksonensis, and Cassidulina sp. at 780 - 785' Uvigerina jacksonensis and Marginulina sp. at 795 - 800' Siphonina sp. at 835 - 840' Planulina mexicana at 850 - 855' Bulimina cf. sculptilis at 875 - 880' Valvulineria octocamerata(?) at 910 - 915' Alabamina sp. at 935 - 940' ----------	295	965

T.D. 965

WELL NO: GGS 1551 ALTITUDE: 292 ft.
WELL NAME: J. W. Paulk TOTAL DEPTH: 620 ft.
COUNTY: Irwin DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: pale red, medium- to coarse-grained, and Clay; red, sandy in part 5R6/2	30	30
	Clay: white to light yellowish-gray, sandy, 5Y8/1	10	40
	Sand: grayish-orange to pale yellowish-brown, fine- to very coarse-grained, with pebbles and white feldspar, and Clay; white, sandy	50	90
	Clay: white to very pale orange, most is sandy, with white feldspar and heavy minerals, 10YR8/2	30	120
Miocene Hawthorne Undif. 120	Sand: clear, medium-grained, subangular, and Clay; white, hackly	10	130
	Clay: as above	10	140
	Clay: white, sandy, to tough siliceous, with phosphate grains	10	150
	Sand: fine- to medium-grained, with phosphate grains, and Clay; white, sandy in part	10	160
	Clay: white, dull, hackly	20	180
	Sand: light yellowish-gray, fine-grained, and Clay; gray, micaceous, 5Y7/2 Phosphate grains at 260-270'	90	270
	Clay: gray, hackly, with Sand, 5Y6/1	10	280
	Clay: gray and white mottled, sandy, micaceous, with phosphate grains	40	320
	Limestone: white to light gray, chalky, sandy, with phosphate grains and macroshell fragments, 5Y8/1 Muscovite and green waxy clay at 340-350'	30	350
	Clay: light olive-gray, waxy, 5Y6/1	10	360
	Clay: sandy, micaceous, with phosphate grains	10	370
	Limestone: sandy, moderately indurated, and Clay; green to gray, moderately sandy	20	390
	Limestone: yellowish-gray, micritic, dull, sandy, with phosphate grains and macroshell molds and fragments, including pelecypods and gastropods, and Dolomite; bluish-gray, very fine-grained, sandy, 5Y8/1-N7 Sorites sp. at 450-460'	80	470
	Dolomite: pale yellowish-brown, finely saccharoidal, to sandy, 10YR6/2	50	520
	Limestone: sandy, and Dolomite; bluish-gray, fine-grained, sparsely phosphatic	10	530
	No samples	20	550
	Limestone: same as 520-530'	20	570

Oligocene	No samples ----------	30	600
Suwannee	Limestone: pinkish-gray, granular, recrystallized, with		
570	recrystallized foraminifers, 5Y8/1 ----------	10	610
	Dolomite: pinkish-gray, finely saccharoidal, with bryozoan remains, 5Y8/1		
	Pararotalia mexicana at 610-620' ----------	10	620

T.D. 620

WELL NO: GGS 1552 ALTITUDE: 315 ft.
WELL NAME: Dr. R. E. Rutherford TOTAL DEPTH: 340 ft.
COUNTY: Irwin DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined ----------	230	230
In Miocene	Clay: light gray, sandy, and Sand; clear, fine-grained,		
Hawthorne	with phosphate grains ----------	10	240
Undif.	Limestone: white, micritic, contains small phosphate		
230	grains, 5Y8/1 ----------	20	260
	Limestone: white, dense, finely crystalline matrix with		
	fine-grained sand ----------	20	280
	Limestone: white, micritic, dull, finely sandy		
	Barnacle fragments (rare) at 280-300' ----------	40	320
Oligocene	Limestone: micritic, with relict bioclastic texture		
Suwannee(?)	Lepidocyclina sp. at 320-340' ----------	20	340
320			

T.D. 340

WELL NO: GGS 1845 ALTITUDE: 295 ft.
WELL NAME: Elton Veal TOTAL DEPTH: 380 ft.
COUNTY: Irwin DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined	220	220
In Miocene Hawthorne Undif. 220	Sand: light gray, with clay matrix, phosphate grains	10	230
	Limestone: white, micritic, sandy Abundant macroshell fragments and crab claws at 240-260'	70	300
Oligocene Undif. 300	Limestone: white to cream, micritic, visibly porous	80	380

T.D. 380

WELL NO: GGS 1847 ALTITUDE: 344 ft.
WELL NAME: Ernest Roberts TOTAL DEPTH: 310 ft.
COUNTY: Irwin DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined	190	190
In Miocene Hawthorne Undif. 190	Clay: light gray, calcareous, sandy in part	10	200
	Limestone: finely sandy, and Clay; as above, with phosphate grains	20	220
	Limestone: slightly sandy, and Clay; light greenish-gray, calcareous	30	250
Oligocene Undif. 250	Limestone: white, recrystallized, micritic Pararotalia mexicana at 280-290' Lepidocyclina sp. at 290-310'	60	310

T.D. 310

WELL NO: GGS 1865 ALTITUDE: 340 ft.
WELL NAME: Reggie Fletcher TOTAL DEPTH: 256 ft.
COUNTY: Irwin DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand and Clay: sand is fine- to coarse-grained, with pebbles, micaceous, feldspathic, clay is pale red, friable in part, 5R6/2 ----------	110	110
Miocene Hawthorne Undif. 110	Limestone: micritic, sandy, with sparse mica ----------	44	154
Oligocene Swuannee(?) 154	Limestone: very pale orange, micritic, tough, Miliolids at 154-176' Chert (sparse) at 176-198' <u>Lepidocyclina</u> sp. at 198-222' ----------	102	256

T.D. 256

WELL NO: GGS 1961 ALTITUDE: 330 ft.
WELL NAME: C.P.A. TOTAL DEPTH: 352 ft.
COUNTY: Irwin DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined ----------	176	176
In Miocene Hawthorne Undif. 176	Limestone: argillaceous, sandy, and Dolomite; sandy -----	22	198
	Limestone: slightly sandy, with pelecypod molds and crab claws ----------	22	220
Oligocene Suwannee 220	Limestone: very pale orange, granular, recrystallized, bioclastic <u>Dictyoconus</u> sp. at 264' <u>Lepidocyclina</u> sp. at 286' ----------	88	308
	Limestone: white to very pale orange, recrystallized, sparry <u>Nummulites</u> sp. at. 308 - 352' ----------	44	352

T.D. 352

WELL NO: GGS 1979 ALTITUDE: 328 ft.
WELL NAME: S. B. Hester TOTAL DEPTH: 320 ft.
COUNTY: Irwin DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined	70	70
In Miocene Hawthorne Undif. 70	Sand: fine-grained, in white clay matrix, micaceous	30	100
	Sand: very coarse-grained, subrounded to subangular, with minor Clay; purple	40	140
	Limestone: gray, micritic, slightly sandy to argillaceous	20	160
	Limestone: micritic, soft, very sandy	20	180
Oligocene Undif. 180	Limestone: very pale orange, micritic, nodular to chalky	10	190
	Limestone: very pale orange, recrystallized, tough Nummulites sp., Sphaerogypsina sp. at 220 - 230' Lepidocyclina sp. at 240-270'	80	270
	Limestone: very pale orange, bioclastic, porous, with gastropod molds Dictyoconus sp. at 270-280'	30	300
U. Eocene Ocala Undif. 300	Limestone: very pale orange, bioclastic, with sparry matrix Nummulites floridensis at 300 - 310'	20	320

T.D. 320

WELL NO: GGS 2017 ALTITUDE: 325 ft.
WELL NAME: C. E. Davis TOTAL DEPTH: 501 ft.
COUNTY: Irwin DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: pale reddish-purple, poorly sorted, with clay matrix, 5RP6/2	20	20
	Sand: light yellowish-gray, with clay matrix	20	40
	Sand: medium- to coarse-grained, sparsely micaceous, with heavy minerals, in a dolomitic clay matrix	60	100
	Sand: light gray, fine- to medium-grained, and Clay; light gray, waxy	15	115
	Sand: medium- to very coarse-grained, feldspathic, somewhat indurated, with white clay matrix	15	130
Miocene Hawthorne Undif. 130	Clay: yellowish-gray, sandy, and Sand; medium- to coarse-grained, sparsely micaceous, 5Y7/2	45	175
	Limestone: sandy, slightly dolomitic	15	190
	Limestone: very sandy, with micritic matrix, heavy minerals Waxy clay at 205-220'	30	220
Oligocene Undif. 220	Limestone: very pale orange, micritic, recrystallized Dictyoconus sp. at 230-245'	30	250
	Limestone: very pale orange, recrystallized, with relict bioclastic texture Lepidocyclina sp.	80	330
	No samples	30	360
	Limestone: as above	30	390
U. Eocene Ocala Undif. 390	Limestone: very pale orange, granular, bioclastic, recrystallized Asterocyclina sp., Nummulites floridensis at 390-405'	75	465
	Limestone: very pale orange, micritic, chalky recrystallized bioclastic texture	36	501

T.D. 501

WELL NO: GGS 2114 ALTITUDE: 355 ft.
WELL NAME: Arlie Schultz TOTAL DEPTH: 330 ft.
COUNTY: Irwin DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined	190	190
In Miocene Hawthorne Undif. 190	Clay: light gray, hackly, and Sand; coarse-grained	10	200
	Limestone: micritic to sandy, and Clay	10	210
Oligocene Undif. 210	Limestone: white, granular, bioclastic, with abundant bryozoans		
	Lepidocyclina (eulepidine) at 290-300'	90	300
	Limestone: light gray, chalky, and Clay; light gray		
	Dictyoconus sp. at 300-320'	20	320
	No samples	10	330

T.D. 330

WELL NO: GGS 3103 ALTITUDE: 353 ft.
WELL NAME: City of Ocilla #4 TOTAL DEPTH: 696 ft.
COUNTY: Irwin DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Atlamaha 0	Sand: medium- to very coarse-grained, with pebbles, and Clay; pale red, orange, white or mottled	155	155
	Sand: very coarse-grained, with pebbles, and coarse-grained white feldspar, and Clay; white, sandy	31	186
Miocene Hawthorne Undif. 186	Sand: medium- to coarse-grained, and Clay; as above	14	200
	Limestone: white, very fine-grained, sandy, and Clay; gray, sandy, and Sand; coarse- to very coarse-grained, with pebbles and heavy minerals, and Chert, sparse, 5Y8/1		
	Pyrite at 217-228'	28	228
	Limestone: white, bioclastic, with fine-grained matrix, sandy, contains pelecypod molds and fragments, crab claws, echinoid fragments, and Clay; sandy, N9-N8		
	Sorites sp., Conus sp. at 228-260'	32	260

Oligocene Undif. 260	Limestone: white to very light gray, massive, granular, bioclastic, moderately indurated, and Clay; sparse, N9 to N8 Pararotalia mexicana, Lepidocyclina sp., and echinoid remains at 260-275' Sorites sp., Nummulites sp., crab claws at 275-280' ----------	20	280
	Limestone: very light gray, bioclastic, with abundant foraminifers, bryozoans, and echinoid fragments, with siliceous vugs and sparse pyrite, and Clay; light yellowish-gray, N8 to 5Y8/1 Sphaerogypsina sp. at 280-295' Dictyoconus sp., Lepidocyclina sp. at 295-311' ------	31	311
U. Eocene Ocala Undif. 311	Limestone: very pale orange, dolomitic, finely crystalline to granular, and Limestone; micritic, tough, 10YR8/2 Nummulites floridensis, Heterostegina sp. at 311-342' ----------	31	342
	Dolomite: grayish-orange, saccharoidal, and Limestone; dolomitic, massive, 10YR7/4 Asterocyclina sp. at 342-372' ----------	30	372
	Limestone: very pale orange, recrystallized, finely crystalline to micritic textures, relict bioclasts at depth, porous, 10YR8/2 ----------	62	434
	Limestone: pinkish-gray, chalky, with larger foraminifers, and Dolomite; crystalline, saccharoidal, 5YR8/1 ----------	93	527
	Dolomite and Limestone: dolomite is light brown, saccharoidal, limestone is white, variously chalky or nodular, tough, with larger foraminifers ---------	29	556
	Limestone: white to very pale orange, finely crystalline to micritic, with abundant larger foraminifers, decreasing at depth, and minor Dolomite; as above, N9 to 10YR8/2 ----------	140	696

T.D. 696

WELL NO: GGS 3128
WELL NAME: Chevron Oil Co.
J. L. Sinclair #1
COUNTY: Jeff Davis

ALTITUDE: 272 ft.
TOTAL DEPTH: 4070 ft.
DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	440	440
In Upper Eocene Undif. 440	Limestone: light olive gray, bioclastic, with algal and bryozoan remains, and foraminifers, 5Y6/1 Lepidocyclina sp. throughout Nummulites floridensis at 440-450' Asterocyclina sp. at 450-460'	310	750
	Limestone: pinkish-gray, granular to crystalline, with bryozoa, algae, Dolomite; crystalline, 5YR8/1	200	950
	Dolomite: light olive gray to yellowish-gray, crystalline, cherty, glauconitic at depth, Limestone; bioclastic to granular, glauconitic, cherty, with bryozoa, 5Y6/1 to 5Y8/1	240	1190
Middle Eocene Claiborne Undif. 1190	Limestone: yellowish-gray, very sandy, phosphatic, Sand; coarse-grained, poorly sorted, calcareous, phosphatic, glauconitic, with macrofossil fragments, 5Y8/1	60	1250
	No samples	40	1290
	Sand: light gray, medium-grained, moderately sorted, very high glauconite content, with macrofossil fragments at base, N7	50	1340
	Silt: light gray, clayey, calcareous, with macrofossil fragments and fine-grained glauconite, N7	95	1435
	Limestone: very light gray, crystalline, dense, glauconitic with a few oyster shell fragments, N8	65	1500
	Cavings:	10	1510
	Limestone: light gray, sandy, silty, calcareous, phosphatic, glauconitic, N7	85	1595
Lower Eocene/ Paleocene Undif. 1595	Sandstone to Siltstone: medium light gray, fine-grained, moderately sorted, calcite cemented, clayey, with heavy minerals and oyster shell fragments, N6	65	1660
	Limestone: medium light gray, sandy, with oyster shell fragments, Silt; clayey, N7	190	1850
Cretaceous Undif. 1850	Limestone: light gray, sandy, Sand; coarse-grained, moderately sorted, N7 Inoceramus sp. at 1880-1890'	50	1900

	Limestone: medium light gray, sandy, Sand; coarse-grained, moderately sorted, clayey, micaceous, pyritic, N6		
	Anomalina pseudopapillosa at 1920-1930' ----------	135	2035
	Silt: medium light gray, clayey, micaceous, calcareous, with pyrite, and macrofossil fragments, N6 ----------	115	2150
	Clay: medium light gray, silty, sandy, Limestone; lutitic, Sand; fine- to coarse-grained, poorly sorted, with mica and feldspar, N6 ----------	220	2370
	Sand: light gray to very light gray, medium-grained, moderately sorted, micaceous, with feldspar and pyrite, traces of lignite and phosphate, Silt; clayey, micaceous, N7 to N8 ----------	240	2610
	Sand: medium light gray to light gray, fine- to coarse-grained, poorly sorted, feldspathic, with mica and lignite, Silt; clayey, micaceous, Sandstone; fine-grained, calcareous, with heavy minerals, N6 to N7 --	230	2840
	Silt: medium gray, clayey, micaceous, sandy, with pyrite and lignite, N5 ----------	120	2960
	Silt: medium gray, clayey, micaceous, sandy, Sandstone; fine-grained, very glauconitic, calcareous, N5 ------	180	3140
	Sand: yellowish-gray to medium light gray, medium- to coarse-grained, poorly sorted, with traces of mica, lignite and pyrite, Silt; clayey, micaceous, 5Y8/1 to N6 ----------	710	3850
	Sand: yellowish-gray to pinkish-gray, medium- to coarse-grained, poorly sorted, feldspathic, with iron oxide, and traces of anthracite(?) and pyroxene(?), Silt; clayey, micaceous, 5Y8/1 to 5YR8/1 ----------	190	4040
Triassic(?) Undif. 4070	Mafic rock: medium gray to light brownish-gray, medium-grained, crystalline, Siliceous rock; fine-grained, white ground mass, with dark medium-grained crystals, slightly calcareous, N5 to 5Y6/1 ----------	30	4070

T.D. 4070

WELL NO: GGS 3384 ALTITUDE: 202 ft.
WELL NAME: Bobby Spell TOTAL DEPTH: 802 ft.
COUNTY: Jeff Davis DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	65	65
In Miocene Altamaha 65	Sand: very fine- to very coarse-grained, feldspathic	20	85
Miocene Hawthorne Undif. 85	Sand: fine-grained, indurated, with siliceous matrix	40	125
	Clay: white, also green, sparsely phosphatic, and Sand; indurated, with clay matrix Chert and white feldspar at 145-185'	60	185
	Clay: white, earthy, and Sand; poorly sorted, with sparse phosphate grains, contains black chert and sandy clay at depth	40	225
	Clay: siliceous, hard, and Sand; very fine-grained, sparsely micaceous, sparsely lignitic	20	245
	Sand: fine-grained with heavy minerals and sparse muscovite, silica cemented in part, and Clay; greenish-gray	40	285
	Sand: coarse- to very coarse-grained, with mica and feldspar, and Clay; green, sparse	20	305
	Clay: green, finely sandy and micaceous, and Sand; coarse-grained, with phosphate grains	20	325
	Sand: clear, fine- to medium-grained with phosphate grains, rare pyrite	40	365
	No samples	50	415
	Limestone: gray, partially dolomitized, sandy, bioclastic, containing fragments of pelecypods, gastropods, echinoids, bryozoans, ostracods and foraminifers, also contains sparse phosphate grains and rare pyrite	10	425
Oligocene Undif. 425	Limestone: as above, to sparry, recrystallized Pararotalia mexicana at 425-445'	20	445
	No samples	115	560
In U. Eocene Ocala Undif. 560	Limestone: very pale orange, granular, bioclastic, partially recrystallized, with abundant smaller foraminifers, bryozoans, and larger foraminifers Abundant Asterocyclina sp. at 600-620' Lepidocyclina sp., Heterostegina sp. at 620-640'	100	660

	No samples ----------	40	700
	Limestone: same as 560-660'		
	Nummulites floridensis at 720-760' ----------	60	760
	No samples ----------	42	802

T.D. 802

WELL NO: GGS 3457 ALTITUDE: 287 ft.
WELL NAME: Chevron U.S.A. TOTAL DEPTH: 11470 ft.
A. P. Snipes #1 DESCRIBED BY: GGS
COUNTY: Jeff Davis

SUMMARY:

THIS REPORT	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
	No samples ----------	90	90
In Miocene Hawthorne Undif. 90	Sand: yellowish-gray, fine-grained, poorly sorted, 5Y7/2 ----------	30	120
	Sand: yellowish-gray, fine-grained, poorly sorted, clayey, with trace of calcite, Clay; sandy, 5Y7/2 Sponge spicules and diatoms at 200-210'----------	100	220
	Sand: yellowish-gray, fine-grained, poorly sorted, clayey, with chert and phosphate, 5Y7/2 ----------	130	350
	Limestone: light olive gray, bioclastic to crystalline, sandy, phosphatic, with abundant macrofossil fragments, 5Y6/1 ----------	100	450
Upper Eocene Undif. 450	Limestone: light olive gray to yellowish-gray, bioclastic to granular, with bryozoan and algal remains, 5Y6/1 to 5Y8/1 Lepidocyclina sp. throughout Asterocyclina sp. at 460-470' ----------	410	860
	Dolomite: pale yellowish-brown, crystalline, Limestone; chalky, 10YR6/2 ----------	140	1000
	No samples ----------	10	1010
	Limestone: very pale orange, chalky, to cherty, and Dolomite; crystalline, 10YR8/2 ----------	10	1020
	No samples ----------	10	1030
	Lithology same as for 1010-1020' ----------	10	1040
	No samples ----------	10	1050
	Lithology same as for 1010-1020' ----------	20	1070

	No samples	10	1080
	Limestone: yellowish-gray, granular, with chert and glauconite, Dolomite; crystalline, 5Y8/1	140	1220
Middle Eocene Claiborne Undif. 1220	Limestone: yellowish-gray, sandy, cherty, with glauconite and coarse-grained pyrite, Dolomite; sandy, with chert, Sand; medium- to fine-grained, moderately sorted, glauconitic, 5Y8/1	120	1340
	Siltstone: medium light gray, glauconitic, silicified, with fine-grained glauconite and sponge spicules, N7	10	1350
	No samples	30	1380
	Silt: medium light gray, clayey, sandy, calcareous, with pyrite, N6	80	1460
	No samples	10	1470
	Silt: grayish-olive-green to light gray, clayey, sandy, Sand; fine-grained, glauconitic, moderately sorted, with oyster shell fragments, Limestone; sandy, 5GY5/2 to N7	40	1510
	No samples	30	1540
	Lithology the same as for 1470-1510'	10	1550
	No samples	30	1580
	Same lithology as for 1470-1510'	20	1600
	No samples	10	1610
	Same lithology as for 1470-1510'	10	1620
	No samples	30	1650
	Same lithology as for 1470-1510'	10	1660
	No samples	40	1700
	Clay: light olive gray, sandy, silty, with macrofossil fragments, 5Y6/1	10	1710
	No samples	10	1720
In Lower Eocene/ Paleocene Undif. 1720	Silt: medium light gray, sandy, clayey, glauconitic, Limestone; sandy, N6 *Pseudohastigerina wilcoxensis* at 1770-1780'	100	1820
	Silt: olive gray, clayey, sandy, lignitic, with sponge spicules, Limestone; sandy	30	1850
	Limestone: light gray, sandy, Sandstone; fine-grained, moderately sorted, phosphatic, N7	30	1880
Cretaceous Undif. 1880	Limestone: light gray, sandy, Silt; sandy, clayey, N7 *Globotruncana* sp. at 1919-1920'	40	1920
	Sand: greenish-gray, fine-grained, micaceous, with rare pyrite and rare quartz pebbles, Clay; micaceous, laminar, 5GY6/1 *Inoceramus* sp. at 2340-2350'	440	2360
	Sand: greenish-gray, medium- to coarse-grained, micaceous glauconitic, with pelecypod fragments, 5GY6/1	420	2780

	Sand: light olive gray, medium- to coarse-grained micaceous, Clay; laminar, silty, 5GY5/1	240	3020
	Sand: light olive gray, medium- to coarse-grained, micaceous, lignitic, with feldspar, Clay; laminar, micaceous, 5GY5/1	230	3250
	Sand: yellowish-gray, coarse-grained, poorly sorted, micaceous, trace of Silt; clayey, with pyrite and feldspar, 5Y7/2	750	4000
	Sand: yellowish-gray, coarse- to very coarse-grained, poorly sorted, with iron oxide and feldspar, Silt; clayey, pyritic, Sandstone; fine-grained, calcareous, 5Y8/1	90	4090
Triassic(?) Undif. 4090	Siltstone: moderate brown to light olive gray to medium gray, micaceous, abundant heavy minerals, slightly calcareous, pyritic, clayey, Sandstone; fine- to medium-grained, moderately sorted, siliceous and calcareous cement, pyritic, with anthracite and feldspar at depth, 5YR3/4 to 5Y6/1 to N5	3480	7570
	Siltstone: grayish-red, clayey, micaceous, Sandstone; medium-grained, feldspathic, with veins of calcite, trace of carbonaceous material, trace of pyrite, Sandstone; fine- to medium-grained, pure quartz aggregate, with minor amount of calcite cement, 5R4/2	1080	8650
Basement(?) 8650	Vein Quartz: light greenish-gray to medium dark gray, crystalline, anhedral, and Mafic Rock; crystalline, medium- to fine-grained, feldspathic, with pyroxene (?), and pyrite, 5G8/1 to N4	880	9530
	Vein Quartz: medium light gray to grayish purple, crystalline, anhedral, Quartzite; medium-grained, with trace of calcite, Basalt; very fine-grained, semimetallic luster, and Mafic Rock; crystalline, medium- to fine-grained, with pyroxene and quartz, 5Y6/1 to 5GY4/1	1920	11450
	No samples	20	11470

T.D. 11470

WELL NO: GGS 89 ALTITUDE: 335 ft.
WELL NAME: J. H. Pullen TOTAL DEPTH: 337 ft.
COUNTY: Mitchell DESCRIBED BY: Vaux Owen, Jr.

SUMMARY:

THIS REPORT		DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		No samples	25	25
In Pliocene Miccosukee 25	Miocene Undif. 37	Clay: pale red, indurated, silty to sandy, and Sand; very fine- to fine-grained, 5R6/2	12	37
		Clay: grayish-orange to pale red, silty to sandy, and Sand; very fine- to fine-grained, iron oxide common, 10YR7/4 to 5R6/2	10	47
		Sand: grayish-orange, very fine- to fine-grained, moderately sorted, subrounded grains, argillaceous, silty, iron oxide common, 10YR7/4	10	57
		Sand: yellowish-gray to pale yellowish-brown, very fine- to fine-grained, moderately sorted, subrounded grains, argillaceous, silty, with interbedded Clay; light greenish-gray, waxy, 5Y7/2 to 10YR6/2	10	67
Miocene Hawthorne Undif. 67		Clay: yellowish-gray, indurated, silty, 5Y7/2	10	77
		No samples	3	80
		Same as 67 - 77' above	6	86
		Clay: yellowish-gray, tough, somewhat calcareous, finely sandy, 5Y7/2	10	96
		Sand: yellowish-gray, very fine- to fine-grained, moderately sorted, subrounded grains, argillaceous, becoming calcareous and somewhat indurated at depth, 5Y7/2	32	128
		No samples	2	130
		Limestone: yellowish-gray, dense, somewhat recrystallized, finely sandy, and interbedded Sand; very fine- to fine-grained, 5Y7/2	15	145
		Marl: light olive-gray, very sandy, sand is very fine- to fine-grained, and Limestone; as above, 5Y6/1	10	155
		Limestone: yellowish-gray, dense, finely sandy, and interbedded Sand; very fine- to fine-grained, and Marl; as above, 5Y8/1	7	162
		No samples	8	170
		Marl: light olive-gray, with fine- to medium-grained sand, becoming sandier at depth, and Limestone; as above, 5Y6/1 Interbedded clay at 191 - 225'	55	225
		Sand and Gravel: light olive-gray, fine-grained sand to granule gravel, poorly sorted, subrounded grains, clear to milky quartz, with interbedded Clay and Limestone; sandy, 5Y6/1	40	265
		No samples	8	273
		Marl: yellowish-gray, finely sandy, with iron oxide and heavy minerals common, 5Y7/2	11	284

		Marl: yellowish-gray, very sandy, sand is very fine- to medium-grained, with iron oxide common, and interbedded Clay; green, and Limestone; fine-grained, sandy, and Sand; calcite cemented, fine-grained, 5Y7/2 -----	21	305
Oligocene Undif. 305	Oligocene Series 305	No samples ----------	16	321
		Limestone: yellowish-gray, recrystallized, finely to coarsely crystalline, with fossil impressions, 5Y7/2 ----------	9	330
		Limestone: very pale orange, aphanitic to finely crystalline, with calcite rhombs common, 10YR8/2 ----------	7	337
T.D. 337	T.D. 337			

WELL NO: GGS 3081 ALTITUDE: 340 ft.
WELL NAME: City of Pelham #4 TOTAL DEPTH: 822 ft.
COUNTY: Mitchell DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee-Miocene Hawthorne Undif. 0	Sand: fine- to coarse-grained, with rare lignite and heavy minerals, and Clay; gray, green, red, and tan, sandy in part Chert present at 110-140' ----------	215	215
Miocene Hawthorne Undif. 215	Clay: white, calcareous, sandy, and Sand; fine- to medium-grained ----------	19	234
Oligocene Suwannee(?) 234	Limestone: very pale orange, bioclastic, granular, recrystallized, with bryozoans and foraminifers Lepidocyclina sp., Sphaerogypsina sp. at 234-274' ---	40	274
	No samples ----------	148	422
n Upper ocene cala ndif. 422	Limestone: pale yellowish-brown, bioclastic, micritic, and Dolomite; brown, saccharoidal, and Sand; fine-grained, pyritic Lepidocyclina ocalana at 422-432' ----------	10	432
	Dolomite: brownish-gray, saccharoidal, sparsely glauconitic, with rare gypsum and pyrite, and Limestone; as above ----------	20	452

	Limestone: chalky, partially dolomitized, glauconitic, and Dolomite; pyritic, glauconitic Bryozoans, Nummulites floridensis, Asterocyclina sp. at 462-482' ----------	30	482
	Limestone: microgranular, recrystallized, fossiliferous, and Dolomite; dull gray, pyritic Asterocyclina nassauensis, Nummulites sp. at 482-492' ----------	30	512
	Limestone: gray, dolomitic, bioclastic, with miliolids, glauconitic pore fillings Heterostegina sp. 522-532' ----------	30	542
	Limestone: grayish-orange, chalky, micritic, fossiliferous, with larger foraminifers as in above intervals, and glauconitic pore fillings, and Dolomite; loose euhedral rhombs ----------	80	622
M. Eocene Claiborne Undif. 622	Dolomite: brown, saccharoidal, and bluish-gray, pyritic, with recrystallized larger foraminifers and echinoid spines and fragments, becoming micaceous and sparsely glauconitic at depth Discocyclina sp. at 662-682' ----------	60	682
	Limestone: micritic to microgranular, fossiliferous, becoming dolomitic and glauconitic at depth, and Dolomite; bluish-gray, pyritic, and brown, saccharoidal Nummulites sp. and bryozoan remains at 642-702' Lepidocyclina sp. and miliolids at 722-742' Asterocyclina sp. and ostracods at 742-762' ---------	80	762
	Limestone: granular, sandy, finely glauconitic Nummulites sp. at 782-822' ----------	60	822

T.D. 822

WELL NO: GGS 128 ALTITUDE: 180 ft.
WELL NAME: Meadows Dev'l Co. Ed Moses TOTAL DEPTH: 1897 ft.
COUNTY: Montgomery DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH FEET
	No samples ----------	1050	1050
In Middle Eocene Claiborne Undif. 1050	Sand: light gray to yellowish-gray, moderately to poorly sorted, micaceous, calcareous to siliceous cement, dolomitic, with chert and glauconite, N7 to 5Y8/1 ---	60	1110
	No samples ----------	20	1130
	Limestone: yellowish-gray, fine-grained, dense, fossiliferous, with glauconite, 5Y8/1 ----------	25	1155

	Sand: fine- to medium-grained, well sorted, calcareous, very glauconitic, 5Y8/1	115	1270
	Sand: yellowish-gray, fine- to medium-grained, poorly sorted, phosphatic, calcareous, with glauconite, 5Y8/1	40	1310
Lower Eocene/ Paleocene Undif. 1310	Sand: light gray, fine-grained, moderately to poorly sorted, micaceous, calcareous, with phosphate and glauconite, oyster shell fragments, Silt; clayey, N7	40	1350
	Sand: dark greenish-gray, fine-grained, well to poorly sorted, very glauconitic, microfossiliferous, Limestone; recrystallized, sandy, with glauconite, 5GY4/1 Morozovella subbotinae and Pseudohastigerina wilcoxensis at 1400 to 1410'	120	1470
	Limestone: light olive gray, fine-grained, crystalline, sandy to silty, with glauconite, 5Y6/1	35	1505
	Sandstone: light gray, fine-grained, well to poorly sorted, glauconitic, phosphatic, Limestone; sandy, N7	84	1589
	No samples	308	1897

T.D. 1897

WELL NO: GGS 3153 ALTITUDE: 222 ft.
WELL NAME: City of Uvalda #2 TOTAL DEPTH: 700 ft.
COUNTY: Montgomery DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: pale to moderate red to purplish-red, fine- to coarse-grained, with pebbles, and Clay; red, 5YR6/2 to 5R5/2	40	40
	Sand: light yellowish-gray to yellowish-gray, fine- to coarse-grained, and Clay; white, powdery, micaceous, 5Y7/2 to 5Y8/1	30	70
	Clay: white, faintly laminated, and Sand; indurated, with hematite	10	80
Miocene Hawthorne Undif. 80	Sand and Clay: very light gray, sand is fine-grained, finely micaceous, N8	30	110
	Clay: light yellowish-gray, hackly, to waxy, with minor Sand and Chert, 5&7/2 to 5Y8/1	40	150
	Sand: yellowish-gray, fine- to coarse-grained, with white clay matrix, rare phosphate grains, Chert, 5Y7/2 to 5Y8/1	20	170

	Sand: yellowish-gray, medium- to very coarse-grained, with quartz pebbles, round to subround, hematite pebbles, white feldspar, and phosphate grains, 5Y7/2 ----------	20	190
	Clay: dark gray, indurated, hackly, and Sand; medium-grained, N4 ----------	10	200
	Sand: medium light gray, coarse-grained to pebble size, and Mudstone; somewhat sandy, pyritic, N6 ----------	10	210
	Clay: yellowish-gray, sandy, and Sand; fine- to coarse-grained, with phosphate grains, 5Y7/2 ----------	20	230
	Sand: light gray, fine-grained, clay cemented in part, abundant heavy minerals, N7 ----------	10	240
	Sand: medium light gray, coarse-grained, pyritic, lignitic, with abundant phosphate grains, and Clay, N6 ----------	10	250
	Sand: light gray, coarse grained, with feldspar, N7 ------	10	260
	Sand: light olive-green, fine- to coarse-grained, with quartz pebbles (sparse) and phosphate grains, clay cemented in part, and Clay, 5Y6/1 ----------	40	300
	Limestone: light olive gray, granular, recrystallized, sandy, and Clay; calcareous, sandy in part, and phosphate grains, 5Y6/1 ----------	50	350
	Clay: yellowish-gray, sandy, and Sand; indurated, with clay or calcareous matrix, and phosphate grains, 5Y7/2 ----------	40	390
	Limestone: light olive-gray to yellowish-gray, sandy, argillaceous, with sparse chalky nodules, phosphatic clay, phosphate nodules, and dolomitic limestone. Fossils are abundant and include nacreous oyster shell fragments, molluscan shells, crab claws, and coral fragments, 5Y6/1-5Y8/1 ----------	30	420
	Coquina: yellowish-gray, uncemented shell fragments and debris including loose sand, and phosphate grains. Fossils include pelecypods, oysters, gastropods and rare foraminifers, 5Y8/1 Elphidium sp.(?) at 420-450' ----------	30	450
	Sand: light gray, fine- to medium-grained, angular, indurated, with calcareous cement, and Limestone; pinkish-gray, dolomitic, microcrystalline, and phosphate grains, with pelecypod molds, ostracods, N6 ----------	20	470
Oligocene Undif. 470	Limestone: light gray, crystalline to saccharoidal, with some nodular limestone, fossiliferous, with shell fragments, crab claws, bryozoans, oysters Pararotalia mexicana common at 470-480' Elphidium sp. at 480-490' ----------	20	490
	Limestone: yellowish-gray, granular, recrystallized, bioclastic, with abundant miliolids and bryozans, coral fragments, bioclasts decrease at depth, 5Y7/2 --------	60	650
	Lepidocyclina sp., Nummulites sp. at 490-500' Nummulites panamensis at 570-580' Cibicides sp., Globigerina sp., and Amphistegina sp. at 630-650'		
	Limestone: very light gray to yellowish-gray, granular, porous, bioclastic, with abundant foraminifers, N8-5Y7/2 Lepidocyclina sp. abundant at 650-670' ----------	50	700
T.D. 700			

WELL NO: GGS 855 ALTITUDE: 128 ft.
WELL NAME: Helen Pryor #1 TOTAL DEPTH: 2677 ft.
COUNTY: Screven DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: pinkish-gray, medium- to fine-grained, well to poorly sorted, slightly micaceous, 5YR8/1	50	50
	Sand: pinkish-gray, fine- to coarse-grained, poorly sorted, phosphatic, with feldspar, 5YR8/1	100	150
	No samples	10	160
In Miocene Hawthorne Undif. 160	Sand: yellowish-gray, fine-grained, poorly sorted, calcareous, phosphatic, with fragments of macrofossils, 5Y8/1	40	200
	No samples	400	600
In Middle Eocene Claiborne Undif. 600	Limestone: yellowish-gray, pelloidal to fine-grained, dolomitic, with glauconite and chert, 5Y8/1	50	650
	Limestone: yellowish-gray, fine-grained, dolomitic, sandy, and Sand; fine-grained, poorly sorted, glauconitic, 5Y8/1	30	680
	Limestone: yellowish-gray, fine-grained, glauconitic, pyritic, 5Y8/1	40	720
	Sand: yellowish-gray, medium-grained, poorly sorted, glauconitic, calcareous, phosphatic, with black heavy minerals, 5Y8/1	120	840
	Sand: yellowish-gray, medium-grained, poorly sorted, glauconitic, calcareous, phosphatic, with quartz pebbles and chert, 5Y8/1	60	900
	Sand: yellowish-gray, medium-grained, poorly sorted, glauconitic, with macrofossil fragments, Limestone; fine-grained, sandy, 5Y8/1	25	925
Lower Eocene/ Paleocene Undif. 925	Sand: light gray, medium- to coarse-grained, poorly sorted, calcareous, feldspathic, with phosphate, pyrite, and rare lignite, and Siltstone; clayey, calcareous, fissile, finely micaceous, N7	135	1060
	No samples	20	1080
	Same lithology as for 925-1060'	10	1090
	No samples	10	1100
	Same lithology as for 925-1060' <u>Globorotalia pseudobulloides</u> and <u>Planorotalites compressa</u> at 1110-1120'	30	1130

	No samples	20	1150
	Same lithology as for 925-1060'	80	1230
	No samples	10	1240
	Same lithology as for 925-1060'	30	1270
	No samples	10	1280
	Sand: light gray, medium-grained, poorly sorted, with pyrite and feldspar, Clay; silty, micaceous, N7	10	1290
	No samples	10	1300
	Same lithology as for 1280-1290'	10	1310
Upper Cretaceous Undif. 1310	Sand: light gray, medium-grained, poorly sorted, pyritic, with feldspar and lignite, Silt; clayey, N7	10	1320
	No samples	20	1340
	Same lithology as for 1310-1320' <u>Rugoglobigerina</u> sp. and <u>Globigerina cretacea</u> at 1410-1420'	100	1440
	No samples	10	1450
	Sand: very light gray to yellowish-gray, coarse- to very coarse-grained, poorly sorted, with feldspar and pyrite, Silt; clayey, micaceous, N8 to 5Y8/1	150	1600
	Sand: yellowish-gray to very light gray, fine- to coarse-grained, feldspar, pyrite, glauconite, heavy minerals, and sparsely distributed phosphate, Clay; fissile, silty, micaceous, 5Y8/1 to N8 <u>Inoceramus</u> sp. at 1650-1660'	400	2000
	Sand: yellowish-gray, fine- to very coarse-grained, very poorly sorted, feldspathic, pyritic, with heavy minerals and glauconite, 5Y8/1	140	2140
	No samples	350	2490
	Sand: pinkish-gray, very coarse-grained, poorly sorted, feldspathic, 5YR8/1	10	2500
	No samples	140	2640
	Sand: yellowish-gray, very coarse-grained to pebble-sized, poorly sorted, feldspathic, 5Y8/4	10	2650
	No samples	27	2677

T.D. 2677

WELL NO: GGS 979 ALTITUDE: 160 ft.
WELL NAME: J. P. King Mfg. Co. #1 TOTAL DEPTH: 1260 ft.
COUNTY: Screven DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	4	4
In Miocene Hawthorne Undif. 4	Sand and Clay: light brown, sand is poorly sorted, but is predominantly medium-grained, clay is red, 5YR6/6	11	15
	Sand and Clay: grayish-orange, sand is poorly sorted, but is predominantly medium-grained, with heavy minerals, clay decreases with depth, 10YR7/4	96	111
	Sand: very light olive-gray, very fine- to very coarse-grained, with abundant phosphate nodules, fossiliferous, with pelecypod fragments, and traces of heavy minerals, and Clay; rare, 5Y7/1	61	172
	Sand: very light olive-gray, fine-grained to very coarse-grained, abundantly fossiliferous, with molds and fragments of pelecypods, echinoids, gastropods, and fish vertebrae, 5Y7/1	14	186
Oligocene Undif. 186	Limestone: yellowish-gray, chalky, fossiliferous, with pelecypod and echinoid fragments, bryozoans, ostracods, 5Y8/1 Pararotalia mexicana, Sphaerogypsina globula, Cibicides sp., at 186 - 250'	64	250
	Limestone: yellowish-gray, coquina, composed of algal nodules, abundant lepidocyclinids, brachiopods, bryozoans, ostracods, crab claws and foraminifers, with phosphate grains and minor amounts of quartz sand, 5Y8/1 Sphaerogypsina globula, Lepidocyclina sp. at 250 - 295'	45	295
J. Eocene Undif. 295	Limestone: as above, with additional species of foraminifers, 5Y8/1 Nummulites panamensis, Lepidocyclina ocalana(?), Eponides sp., Melonis sp. at 295 - 318'	23	318
	Sand and Limestone: yellowish-gray, sand is poorly sorted but predominantly medium-grained, with phosphate grains, pyrite, heavy minerals, limestone is fossiliferous, with pelecypods, echinoids, gastropods, ostracods, and foraminifers, 5Y8/1	106	424

	Limestone: yellowish-gray, sandy, fossiliferous, with echinoid and bryozoan remains, and Sand; medium-grained, with phosphate grains, 5Y8/1 ----------	41	465
	Limestone: yellowish-gray, sandy, variously sucrosic and glauconitic, fossiliferous, with pelecypod and echinoid remains, and Sand; medium-grained, with pyrite and phosphate grains, 5Y8/1 ----------	35	500
	Sand: yellowish-gray, frosted quartz grains, medium-grained, with phosphate grains, and Limestone; as above, 5Y8/1 ----------	15	515
M. Eocene Claiborne Undif. 515	Limestone: very light gray, some is glauconitic, fossiliferous, with gastropods, pelecypods, bryozoans, and foraminifers, and Sand; medium-grained, with phosphate grains, N8 Lepidocyclina cf. antillea at 607 - 637' ----------	122	637
	Dolomite: very light olive-gray, sucrosic, and Limestone; white, and Sand; glauconitic, with phosphate grains, 5Y7/1 ----------	31	668
	Limestone: yellowish-gray, fossiliferous, with fragments of pelecypods, echinoids, and bryozoans, and Dolomite; as above, and Sand; medium-grained, with glauconite and phosphate grains, 5Y8/1 ----------	26	694
	Sand: yellowish-gray, poorly sorted, but predominantly medium-grained, and Limestone; white, sandy, and glauconitic, and Dolomite; as above, 5Y8/1 Fragments of echinoids and pelecypods at 751 - 812' ----------	118	812
	Limestone: light olive-gray, sandy, and Sand; medium-grained, with abundant glauconite nodules, and phosphate grains, and Clay; calcareous, sandy, and Chert; rare, 5Y6/1 ----------	30	842
	Sand: greenish-gray, extremely glauconitic, and Limestone; white, sandy, some is glauconitic, fossiliferous, with echinoid fragments, and Clay; green, 5GY6/1 ----------	31	873
	Clay: gray, Limestone; as above, and Sand; phosphatic, 5GY6/1 ----------	30	903
	Sand: very light gray, medium- to coarse-grained, with pyrite, muscovite, heavy minerals, phosphate grains, and rare glauconite, and Clay; gray, sandy, N8 ------	41	944

	Clay: light olive-gray, and Limestone; variously sandy, pyritic, and glauconitic, fossiliferous, with pelecypod fragments and foraminifers, 5Y6/1	36	980
	Limestone: light gray, granular, argillaceous, sandy, with pelecypod fragments, and Sand; medium-grained, with glauconite and phosphate grains, N7 *Cibicides* sp. at 980 - 985'	24	1004
	Sand: light olive-gray, medium- to coarse-grained, with glauconite, muscovite, pyrite, and heavy minerals, and Limestone; sandy, argillaceous, 5Y7/1	52	1056
L. Eocene/ Paleocene Undif. 1056	Sand: yellowish-gray to greenish-gray, becoming light gray at depth, medium- to coarse-grained, feldspathic, glauconitic, with pyrite, muscovite, and heavy minerals, and Clay; gray, silty, and Limestone; sandy, argillaceous, 5Y7/1 - 5GY6/1 to N7	204	1260

T.D. 1260

WELL NO: GGS 1170 ALTITUDE: 41 ft.
WELL NAME: Screven #1 TOTAL DEPTH: 123 ft.
COUNTY: Screven DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Soil: organic debris	3	3
In Miocene Parachucla 3	Sand: medium- to very coarse-grained, poorly sorted, argillaceous, slightly micaceous	34	37
	Clay: very calcareous, silty, sandy (fine- to medium-grained), slightly micaceous, with shell fragments in lower 1' of interval	10	47
	Sand: medium-grained, calcareous, argillaceous, micaceous, with scattered shell fragments	13	60
Oligocene Suwannee 60	Limestone: medium texture, variably indurated, sandy, slightly fossiliferous *Dictyoconus* sp. at 90'	48	108
U. Eocene Ocala Undif. 108	Limestone: white, chalky matrix with bryozoans and other fossil fragments	6	114
	Limestone: indurated, bryozoan coquina	9	123

T.D. 123

WELL NO: GGS 1175 ALTITUDE: 90 ft.
WELL NAME: Screven #7 TOTAL DEPTH: 301 ft.
COUNTY: Screven DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	PREVIOUS	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		No samples	15	15
		Sand: coarse-grained, gravel, argillaceous	15	30
In U. Eocene	Ocmulgee 30	Limestone: deeply weathered in upper part with brown clay or silt, grading with depth to pale orange, soft, calcarenitic, fossiliferous limestone Globorotalia cerroazulensis, Hantkenina alabamensis at 48'	22	52
		Clay: very calcareous, fossiliferous Amusium at 62' Globorotalia cerroazulensis, Hantkenina alabamensis at 82'	41	93
		Sand: very calcareous, locally a sandy limestone, soft, unconsolidated, slightly argillaceous, fossiliferous with foraminifers and abundant bryozoans in lower part of interval Hantkenina sp., Globorotalia increbescens, Globorotalia cerroazulensis at 103' Globigerinatheka tropicalis, Globorotalia cerroazulensis, Hantkenina alabamensis at 112-116'	23	116
U. Eocene	Dry Branch 116	Sand: gray, slightly argillaceous and calcareous, slightly glauconitic, fossiliferous Marginulina cocoaensis at 145'	71	187
U. Eocene	Clinchfield 187	Clay: calcareous (increasing with depth), becoming slightly argillaceous limestone at bottom of interval, sandy, slightly fossiliferous	26	213
M. Eocene	Lisbon equiv. 213	Limestone: white to gray, soft, unconsolidated, locally fossiliferous with abundant bryozoans, foraminifers, in a lutitic matrix, locally argillaceous Cibicides westi at 300'	88	301

T.D. 301

WELL NO: GGS-NA
WELL NAME: Georgia Power-B31
COUNTY: Screven

ALTITUDE: 71 ft.
TOTAL DEPTH: 248 ft.
DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	30	30
In U. Eocene Ocala Undif. 30	Limestone: consolidated, cemented, porous, calcarenitic, pelletal, bioclastic with bryozoans, asteroid and ophiuroid elements composing bulk of the matrix, with echinoids, corals, crab claws, pectens, mollusk molds, miliolids, Amphistegina sp. also present, more chalky and glauconitic at base of interval, sandy at 35-37'	31	61
U. Eocene Dry Branch 61	Sandstone: light gray, very calcareous sandstone to sandy limestone, indurated, dense, glauconitic(?) at intervals, fossiliferous with abundant mollusk molds, very slightly argillaceous, some intervals are less consolidated, poor core recovery throughout interval No samples at 74-105', 114-124', 129-136', 144-180', 185-224'	166	227
M. Eocene Lisbon equiv. 227	Limestone: light gray, indurated, dense, generally fine-grained, abundantly fossiliferous with bryozoans and mollusk molds in a fine matrix, glauconitic	21	248

T.D. 248

WELL NO: GGS-NA
WELL NAME: Georgia Power-B32
COUNTY: Screven

ALTITUDE: 75 ft.
TOTAL DEPTH: 253 ft.
DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	33	33
In Oligocene(?) Undif. 33	Limestone: cream, soft, unconsolidated to moderately indurated, massive, fossiliferous	9	42
U. Eocene Ocmulgee 42	Limestone: gray, massive, soft and unconsolidated to hard and partially indurated, variably argillaceous, slightly micaceous, variably fossiliferous (fossil		

	content increases at intervals where clay content decreases), fossils are dominantly bryozoans, sandy in bottom 10' of interval ----------	72	114
U. Eocene Dry Branch 114	Sand: gray, medium-grained, very calcareous, unconsolidated to slightly consolidated, massively bedded, sparsely microfossiliferous (mainly bryozoans) ------	63	177
	Clay: silty, calcareous, micaceous, laminated ----------	3	180
U. Eocene Clinchfield 180	Sandstone: medium-grained, very calcareous, glauconitic, abundantly fossiliferous with bryozoans, echinoids, mollusk molds ----------	15	195
M. Eocene Lisbon equiv. 195	Limestone: gray, hard, dense, indurated, coarsely fossiliferous with molds of mollusks, bryozoans, pectens, glauconitic at intervals ----------	39	234
	Limestone: gray, fine-grained, dense, argillaceous with clay content increasing with depth, sparsely fossiliferous ----------	19	253

T.D. 253

WELL NO: GGS-NA
WELL NAME: Georgia Power-B33
COUNTY: Screven
ALTITUDE: 105 ft.
TOTAL DEPTH: 273 ft.
DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH I FEET
	No samples ----------	5	5
	Chert: fossiliferous ----------	8	13
	No samples ----------	93	106
In U. Eocene Dry Branch 106	Limestone: medium- to coarse-textured, sandy, slightly consolidated to unconsolidated, slightly argillaceous, fossiliferous with foraminifers and bryozoans ----------	32	138
	Clay: silty, micaceous, laminated, with thin interbedded Limestone; sandy ----------	12	150
U. Eocene Clinchfield 150	Sandstone: coarse-grained, dense, very calcareous, fossiliferous, bioclastic ----------	13	163
	Limestone: massive, indurated, even-textured, sandy, fossiliferous, glauconitic ----------	13	176

M. Eocene Lisbon equiv. 176	Limestone: indurated, medium-grained, bioclastic with abundant pelletal material, calcarenitic with lutitic matrix, intervals of unconsolidated calcarenite from 176-204', slightly argillaceous and glauconitic -----	86	262
M. Eocene Lisbon 262	Sand: very calcareous, silty, argillaceous, micaceous, massively bedded ----------	11	273

T.D. 273

WELL NO: GGS-NA
WELL NAME: Georgia Power-B34
COUNTY: Screven
ALTITUDE: 182 ft.
TOTAL DEPTH: 273 ft.
DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples ----------	145	145
In U. Eocene Dry Branch 145	Sand: medium-grained, calcareous, argillaceous, glauconitic, fossiliferous, with intervals of Limestone; sandy, argillaceous ----------	17	162
	Clay: calcareous, silty, fissile ----------	11	173
	Sand: medium-grained, very calcareous, argillaceous, fossiliferous with molds of shells, variably indurated, at intervals a very hard, dense sandstone -----	27	200
U. Eocene Clinchfield 200	Limestone: indurated, consolidated, sandy, fossiliferous with mollusk molds, echinoids, corals, and bryozoans ----------	12	212
	Limestone: granular, massive, consolidated, sandy (medium- to coarse-grained quartz), with dark grains (glauconite ?), fossiliferous with bryozoans, oyster shell fragments ----------	23	235
M. Eocene Lisbon 235	Sand: medium-grained, calcareous, glauconitic, slightly micaceous, argillaceous with clay increasing with depth, fine bedding and clay laminae present in lower 10' of interval, contact with above interval is marked by a weathering (oxidized) zone ----------	38	273

T.D. 273

WELL NO: GGS-NA
WELL NAME: Georgia Power-B36
COUNTY: Screven
ALTITUDE: 49 ft.
TOTAL DEPTH: 173 ft.
DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
	No samples	37	37
In Oligocene Suwannee 37	Limestone: white, even-textured, fine- to medium-grained, microfossiliferous at bottom of interval	9	46
U. Eocene Ocala Undif. 46	Limestone: tan to cream, hard, recrystallized, massive, bioclastic with granular pelletal texture, porous with bioclastic debris (bryozoans, miliolids), loosely packed, some mollusk molds	67	113
U. Eocene Dry Branch 113	Sandstone: gray, calcareous, recrystallized and cemented, massively bedded, slightly glauconitic, abundantly fossiliferous with mollusk molds, decreasing in size with depth, with a tan-orange-brown stain inside molds above 149', not present below 149'	60	173

T.D. 173

WELL NO: GGS-NA
WELL NAME: Georgia Power-B37
COUNTY: Screven
ALTITUDE: 102 ft.
TOTAL DEPTH: 233 ft.
DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
	No samples	60	60
In Miocene Hawthorne Undif. 60	Sand: medium- to coarse-grained, poorly sorted, slightly argillaceous increasing to very argillaceous at bottom of interval, slightly phosphatic at bottom of interval	22	82
	Sand: argillaceous, phosphatic, interlayered with Clay; phosphatic, slightly calcareous	36	118

U. Eocene	Limestone: deeply weathered ----------	4	122
Crystal River	No samples: cavity ----------	19	141
118	Limestone: white, hard, brittle, indurated, abundantly fossiliferous (bryozoan-rich) coquina, with echinoids at bottom of interval ----------	72	213
U. Eocene	Sandstone: cemented, very calcareous, fossiliferous with		
Dry Branch	abundant mollusk molds ----------	20	233
213			

T.D. 233

WELL NO: GGS 1509 ALTITUDE: 228 ft.
WELL NAME: Charles Coleman TOTAL DEPTH: 465 ft.
COUNTY: Tattnall DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene	Clay: very pale orange to yellowish-gray, sandy, and		
Altamaha	Sand; fine- to coarse-grained, angular to subrounded grains, 10YR8/2-5Y8/1 ----------	75	75
0	Sand: yellowish-gray, fine- to coarse-grained, angular to subrounded grains, sparsely lignitic and iron stained, and Clay; sandy, 5Y8/1 ----------	10	85
Miocene	Sand: yellowish-gray, fine- to medium-grained, angular to		
Hawthorne	subangular grains, sparsely lignitic and micaceous,		
85	and Clay; soft, sandy, 5Y8/1 ----------	30	115
	Clay: yellowish-gray, moderately- to well-indurated, some is sandy, and Sand; fine- to very coarse-grained, subangular to subrounded grains, 5Y8/1 ----------	30	145
	Sand: yellowish-gray, fine- to coarse-grained, angular to subrounded grains, with rare mica and lignite, phosphate grains at depth, and Clay; grayish-green, sandy, 5Y7/2-5Y8/1 ----------	80	225
	Sand: very light gray, fine- to very coarse-grained, with phosphate grains, macroshell fragments, and Clay; greenish-gray, calcareous, N8 ----------	20	245
	Limestone: very light gray, micritic, sandy, and Sand; as above, and Dolomite; coarse-grained, with phosphate grains and mica, N8		
	Macroshell fragments common at 255-275' ----------	30	275
	No samples ----------	10	285
	Sand: very light gray, as above, and Dolomite; microcrystalline, sandy, with abundant phosphate grains, rare mica, abundant macroshell fragments, N8 ---------	30	315

	Limestone: yellowish-gray, coquina, composed of fragmented bivalves, gastropods, and bryozoans, with Dolomite; microcrystalline, sandy, and Sand; fine- to coarse-grained, subangular grains, phosphatic, 5Y8/1 --------	60	375
	Limestone: grayish-yellow green to white, micritic to dolomitic, fossiliferous, with macroshell fragments, sandy in part, and Sand; fine- to coarse-grained, subangular grains, with rare mica and abundant phosphate grains, 5GY7/2-N9 ----------	30	405
	Sand: very light gray, fine- to coarse-grained, subangular grains, and Limestone; micritic, sandy, fossiliferous, with abundant macroshell fragments, rare phosphate grains, N8 ----------	10	415
Oligocene Undif. 415	Limestone: yellowish-gray, micritic, bioclastic, with macroshell fragments, burrows, and foraminifers, 5Y8/1 Lepidocyclina sp., Amphistegina chipolensis at 415-425' Sphaerogypsina globula, ostracods at 425-445' Pararotalia mexicana at 435-445' Nummulites sp. at 445-465' ----------	50	465

T.D. 465

WELL NO: GGS 1530 ALTITUDE: 210 ft.
WELL NAME: W. B. Sikes TOTAL DEPTH: 480 ft.
COUNTY: Tattnall DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: grayish-orange, fine- to very coarse-grained, subangular to subrounded grains, and Clay; soft, sandy in part, 10YR7/4 ----------	20	20
Miocene Hawthorne Undif. 20	Clay: yellowish-gray, moderately indurated, sandy, partially iron-stained, 5Y8/1 ----------	70	90
	Clay: yellowish-gray, soft, chalky, and Sand, fine- to coarse-grained, subangular, and rare phosphate grains, 5Y8/1 ----------	30	120
	Sand: very pale orange, fine- to coarse-grained, subangular to subrounded grains, and Clay; soft, sandy, with rare lignite and mica, 10YR8/2 ----------	50	170
	Clay: very light gray, soft, calcareous, iron-stained, sandy, rarely lignitic Macroshell fragments at 180-200' ----------	30	200

	Limestone: yellowish-gray, micritic, sandy, with rare phosphate grains, and Clay; tough, rare, 5Y8/1 Macroshell fragments (rare) at 220-250' ----------	50	250
	Limestone: yellowish-gray, to light gray, soft, micritic, sandy, and Dolomite; microcrystalline, indurated, and Sand; fine- to coarse-grained, angular to subrounded, with phosphate grains, rare mica, 5Y8/1-N7 Macroshell fragments (rare) at 280-300' Chert abundant below 340' Gastropods, bivalves, bryozoans, and echinoids abundant at 350-360' ----------	130	380
Oligocene Undif. 380	Limestone: light gray, dense, recrystallized, bioclastic, with fragments of macroshells, including echinoids, bryozoans, bivalves, and foraminifers, N7 Lepidocyclina sp., Sphaerogypsina sp., Nummulites sp., and Lenticulina sp. at 380-440' Pararotalia mexicana at 460-470' ----------	100	480

T.D. 480

WELL NO: GGS 1731 ALTITUDE: 153 ft.
WELL NAME: Julian Dasher TOTAL DEPTH: 550 ft.
COUNTY: Tattnall DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: grayish-orange pink to yellowish-gray, fine- to very coarse-grained, subangular to subrounded grains, and Clay; white to red, sandy, friable, 5YR7/2-5Y7/2 ----------	120	120
Miocene Hawthorne Undif. 120	Sand and Clay: as above, with fine-grained phosphate, 5Y7/2-5Y6/1 Mica at 150-160' ----------	40	160
	Sand: yellowish-gray, medium- to very coarse-grained, subrounded to rounded grains, and Clay; yellowish- to greenish-gray, and Limestone; micritic, and rare phosphate grains, 5Y8/1 Macroshell fragments common at 170-180' ----------	20	180
	Clay: grayish-yellow green, soft, slightly calcareous, sandy, phosphate grains common, mica rare, and Limestone; micritic, with macroshell fragments, 5GY7/2 Shark tooth at 210-220' ----------	50	230
	Sand: yellowish-gray, fine- to coarse-grained, subangular grains, phosphate grains common, and Limestone; micritic, sandy, with macroshell fragments, and Clay; rare, 5Y7/2 ----------	10	240

	Clay: light greenish-gray, calcareous, sandy, and Limestone; micritic, sandy, with macroshell fragments, phosphate grains common, 5GY8/1 ----------	70	310
	Clay: light greenish-gray, calcareous, sandy, and Sand; fine- to coarse-grained, subangular grains, with macroshell fragments and phosphate grains, 5GY8/1 ----	40	350
	Clay: white to gray, compacted, with Sand; common, and phosphate grains, and rare shell fragments, 5Y8/1 Accessory iron at 360-370' ----------	20	370
	Clay: calcareous, silty, and Sand; fine- to very coarse-grained, subangular to rounded grains, with phosphate grains, and Limestone; micritic ----------	10	380
	Limestone: very light gray, soft, micritic, sandy, with abundant fragments of bivalves and bryozoans, and Clay; white, calcareous, and Sand; as above, with phosphate grains, N8 ----------	40	420
	Limestone: yellowish-gray, dense, micritic, 5Y8/1 Macroshell fragments at 440-500' Sand and phosphate grains at 480-500' ----------	80	500
Oligocene Suwannee 500	Limestone: very light gray, dense, recrystallized, micritic to coarse-grained, with casts of gastropods and bivalves, N8 Pararotalia mexicana, Lepidocyclina sp., Pyrgo sp. at 500-550' ----------	50	550

T.D. 550

WELL NO: GGS 1743 ALTITUDE: 224 ft.
WELL NAME: Byron Jarriel TOTAL DEPTH: 630 ft.
COUNTY: Tattnall DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: dark yellowish-orange, fine- to coarse-grained, subangular grains, and Clay; iron stained, 10YR6/6 ----------	50	50
	Sand: pale yellowish-brown, fine- to very coarse-grained, angular to subrounded grains, and Clay; sandy, iron stained, 10YR6/2 ----------	50	100
	Sand: yellowish-gray, fine- to coarse-grained, subangular to rounded grains, and Clay; sandy, compacted, iron stained, 5Y7/2 ----------	30	130
Miocene Hawthorne Undif. 130	Sand: very pale orange to yellowish-gray, fine- to coarse-grained, subangular grains, and Clay; soft to moderately compacted, sandy in part, phosphate grains common, mica rare, 10YR8/2 - 5Y7/2 ----------	200	330

	Sand: yellowish-gray, fine- to very coarse-grained, angular to subrounded grains, and Clay; soft, slightly calcareous, sandy, and Limestone; micritic, sandy, with macroshell fragments, phosphate grains, and rare mica, 5Y7/2	30	360
	Limestone: yellowish-gray, micritic, sandy in part, and Sand; fine- to coarse-grained, subangular grains, with rare mica and macroshell fragments, phosphate grains common, 5Y8/1	50	410
	Sand: yellowish-gray, fine- to very coarse-grained, angular to subrounded grains, with macroshell fragments and phosphate grains common, and Limestone; micritic, sandy, 5Y8/1 Rare mica and chalcopyrite at 440-450' Dolomite (microcrystalline to saccharoidal) at 470-510'	110	520
Oligocene Suwannee 520	Limestone: very pale orange, recrystallized, micritic to dolomitic, fossiliferous, with fragments of echinoids, bryozoans, and bivalves, and algal nodules and foraminifers, 10YR8/2 Pararotalia mexicana, Lepidocyclina sp., and Sphaerogypsina sp. at 520-630'	110	630

T.D. 630

WELL NO: GGS 3026 ALTITUDE: 210 ft.
WELL NAME: City of Manassas TOTAL DEPTH: 744 ft.
COUNTY: Tattnall DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined	300	300
In Miocene Hawthorne Undif. 300	Sand: yellowish-gray, fine- to very coarse-grained, with pebbles of quartz and white feldspar, subangular to rounded, with phosphate grains, and Clay; white to red, soft, sandy, 5Y7/2 Bivalve fragments at 320-340'	40	340
	Limestone: yellowish-gray, argillaceous, sandy, and Sand; fine- to very coarse-grained (pebbles), subangular to rounded grains, with phosphate grains, rare mica, 5Y8/1 Dolomite at 380-400'	60	400
	Sand: yellowish-gray, fine- to very coarse-grained, angular to rounded, with phosphate grains, rare muscovite, macroshell fragments, feldspar, and Limestone; gray, dense, sandy, 5Y8/1	40	440

	Limestone: light gray, dense, sandy, with angular intraclasts of sand-free limestone and phosphate grains, and Sand; fine- to very coarse-grained, angular to subrounded, with macroshell fragments, and phosphate grains, N7 ----------	20	460
Oligocene Suwannee 460	Limestone: yellowish-gray, recrystallized, bioclastic, with fragments of bivalves and bryozoans, and foraminifers, and Sand; as above (cavings?) Pararotalia mexicana at 460-480' Nummulites panamensis at 480-500' ----------	100	560
U. Eocene Ocala Undif. 560	Limestone: white, soft, bioclastic, fossiliferous, composed almost entirely of bryozoans and foraminifers, N9 ----------	184	744

T.D. 744

WELL NO: GGS 603 ALTITUDE: 201 ft.
WELL NAME: W. R. Daniels #1 TOTAL DEPTH: 240 ft.
COUNTY: Thomas DESCRIBED BY: Vaux Owen, Jr.

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Pleistocene Fluvial Terrace 0	Sand: grayish-orange, fine- to coarse-grained, subangular to subrounded, clear and milky quartz, silty and argillaceous near top of interval, and interbedded Gravel; granule and pebble, accessory garnet and other heavy minerals near bottom of interval, 10YR7/4 Rare gypsum at 15-20'----------	30	30
Miocene Hawthorne Undif. 30	Clay: yellowish-gray, calcareous, silty, with Sand; very fine- to medium-grained quartz, accessory heavy minerals common, 5Y8/1 ----------	15	45
	Limestone: yellowish-gray, microcrystalline, with Sand; very fine- to coarse-grained quartz, 5Y8/1 ----------	10	55
	Sand and Clay: yellowish-gray to greenish-gray, Sand; very fine- to fine-grained, subangular, moderately sorted, clear quartz, with Clay; calcareous, lignitic, and some Limestone; finely disseminated, sandy, microcrystalline, rare heavy minerals throughout, 5Y7/2 to 5GY6/1 ----------	110	165

Sand: light olive-gray, coarse-grained, subangular, moderately sorted, clear quartz, with Limestone; dark gray, microcrystalline, containing poorly preserved shell imprints, 5Y6/1 ----------	5	170
Limestone: olive-gray to light gray, microcrystalline, hard, dense to somewhat porous, dolomitic, poorly preserved shell imprints and molds common, with Sand; very fine- to fine-grained quartz, and Clay; calcareous, lignite at bottom of interval, 5Y4/1 to N7 ----------	70	240

T.D. 240

WELL NO: GGS 747 ALTITUDE: 200 ft.
WELL NAME: Daniel Shaker Co. TOTAL DEPTH: 245 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Series 0	Sand: greenish-yellow, mottled near surface, medium-grained, well sorted quartz, with Clay; white, 10Y8/2 ----------	35	35
		Clay: white, cherty, phosphatic ----------	10	45
Miocene Chattahoochee 45		Limestone: yellowish-gray, dolomitic, sandy, phosphatic, 5Y7/2 to 5Y8/1 ----------	70	115
		No samples ----------	40	155
		Limestone: light olive-gray to white, dolomitic, sandy, 5Y6/1 to N9 ----------	10	165
Oligocene Suwannee 165	Oligocene Suwannee 165	Limestone: white, recrystallized, microcoquina, casts and molds of megafossils common, foraminifers abundant Pararotalia mexicana mecatepecensis at 180-185' ----------	75	240
		No samples ----------	5	245
T.D. 245	T.D. 245			

WELL NO: GGS 748 ALTITUDE: 189 ft.
WELL NAME: W. C. Thigpen TOTAL DEPTH: 193 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Series 0	Sand: dark yellowish-orange to yellowish-gray, very fine- to medium-grained with some coarse grains, moderately sorted, subangular, argillaceous quartz, slightly calcareous toward bottom of interval, accessory iron minerals at top of interval, 10YR6/6 to 5Y8/1	52	52
Miocene Chattahoochee 52		Limestone: yellowish-gray, sandy, with molds and casts of megafossils rare, 5Y8/1	6	58
Oligocene Suwannee 58	Oligocene Suwannee 58	Limestone: white, fossiliferous, poorly preserved foraminifers common	22	80
		No samples	113	193
T.D. 193	T.D. 193			

WELL NO: GGS 757 ALTITUDE: 229 ft.
WELL NAME: Wade Chastain TOTAL DEPTH: 240 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH I FEET
In Pliocene Miccosukee 0	Miocene to Pliocene Series 0	Sand: very pale orange to light olive-gray, fine- to coarse-grained, poorly sorted, subangular to subrounded quartz, argillaceous at top of interval, 10YR8/2 to 5Y6/1	50	50
Miocene Hawthorne Undif. 50	Miocene Series 50	Clay: white, calcareous, sandy (X - ray diffraction shows that the clay is sepiolite with some montmorillonite)	20	70
		Sand: white to light greenish-gray, fine- to medium-grained, well sorted, subrounded quartz, argillaceous cement, N9 to 5GY8/1	80	150

		Limestone: yellowish-gray, molds and casts of megafossils common, 5Y8/1 ----------	55	205
		Silt: white to light gray, calcareous, argillaceous, with interbedded Limestone; sandy, molds and casts of megafossils common; N9 to N7 ----------	30	235
		No samples ----------	5	240
T.D. 240	T.D. 240			

WELL NO: GGS 768 ALTITUDE: 230 ft.
WELL NAME: Don Vanier TOTAL DEPTH: 240 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene to Pliocene Series 0	Sand: varicolored, medium- to very coarse- grained, poorly sorted, subangular quartz, with abundant accessory iron minerals ----------	35	35
Miocene Hawthorne Undif. 35	Miocene Series 35	Sand: light greenish-gray, very fine- to fine-grained, well sorted, subrounded quartz, slightly argillaceous, silty, 10YR8/6 ----------	20	55
		Sand: light greenish-gray, very fine- to fine-grained, well sorted, subrounded quartz, argillaceous, silty, 5GY8/1 ----------	15	70
		Sand: yellowish-gray, fine- to medium-grained, well sorted, subrounded quartz, accessory chert common, 5Y8/1 Calcareous from 75 - 100' ----------	45	115
Miocene Chattahoochee 115		Limestone: white, sandy Chert abundant at 115-120' ----------	15	130
Oligocene Suwannee 130	Oligocene Suwannee 130	Limestone: yellowish-gray, dolomitic, recrystallized, poorly preserved foraminifers rare, 5Y7/2 ----------	45	175
		No samples ----------	65	240
T.D. 240	T.D. 240			

WELL NO: GGS 771 ALTITUDE: 272 ft.
WELL NAME: J. M. Duran TOTAL DEPTH: 295 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene Series 0	Clay: mottled white to moderate red, and Sand; fine- to medium-grained, well sorted, subangular quartz, with abundant accessory iron minerals and sparse calcareous fragments, 5R4/6 ----------	25	25
Miocene Hawthorne Undif. 25		Clay: grayish-orange, and Sand; fine-grained, well sorted, subangular quartz, with sparse accessory iron minerals and common calcareous fragments, 5R4/6 ----------	40	65
		Sand: very pale orange to white, fine- to medium-grained, moderately sorted, angular to subangular quartz, and Clay; light greenish-gray, at bottom of interval, 10YR8/2 to N9 ----------	65	130
Miocene Chattahoochee 130		Limestone: yellowish-gray, sandy, with molds and casts of megafossils common, and interlayered Sand; calcareous, at top of interval, 5Y8/1 Chert at 180-185' ----------	55	185
Oligocene Undif. 185	Oligocene Suwannee 185	No samples ----------	25	210
		Limestone: white, fossiliferous <u>Pararotalia</u> sp. at 210-215 ----------	85	295
T.D. 295	T.D. 295			

WELL NO: GGS 778 ALTITUDE: 255 ft.
WELL NAME: Leon Hancock TOTAL DEPTH: 266 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene Series 0	Sand: light brown, medium- to coarse-grained, poorly sorted, subangular quartz, 5YR5/6 ----------	5	5
Pliocene Miccosukee(?) 5		Sand: mottled, white to grayish-orange, fine-grained, well sorted, subangular quartz, argillaceous, rare accessory iron minerals, 10YR7/4 ----------	30	35
Miocene Hawthorne Undif. 35		Clay: mottled, white to yellowish-gray, silty, slightly calcareous, 5Y8/1 ----------	20	55
		Sand: yellowish-gray, fine- to medium-grained, moderately sorted, subrounded to subangular quartz, argillaceous, calcareous, 5Y8/1 Chert common at 100-125' ----------	70	125
Miocene Chattahoochee 125		Limestone: yellowish-gray to white, sandy, fossiliferous, with fragments, casts and molds of megafossils common, 5Y7/2 to N9 Dolomitic at 180-190' Sorites sp. at 130-135' ----------	65	190
Oligocene Suwannee 190	Oligocene Suwannee 190	Limestone: white, dolomitic, with poorly preserved foraminifers common Pararotalia sp. at 190-195' ----------	10	200
		No samples ----------	66	266
T.D. 266	T.D. 266			

WELL NO: GGS 779 ALTITUDE: 245 ft.
WELL NAME: Clifford Long TOTAL DEPTH: 269 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene Series 0	Sand: pale yellowish-orange, fine- to medium-grained, moderately sorted, subangular quartz, with abundant iron minerals, 10YR8/6	40	40
Miocene Hawthorne Undif. 40		Sand: mottled, white to dusty-brown, fine- to medium-grained, well sorted, subangular quartz, argillaceous, calcareous, with abundant iron minerals, chert at top of interval, 5YR2/2	60	100
Miocene Chattahoochee 100		Limestone: yellowish-gray, sandy, dolomitic, cherty, 5Y8/1	25	125
Oligocene Suwannee `125	Oligocene Suwannee 125	Limestone: white, fossiliferous, bryozoans and foraminifers common No samples 130-135', 265-269'	144	269
T.D. 269	T.D. 269			

WELL NO: GGS 784 ALTITUDE: 170 ft.
WELL NAME: H. D. Burton TOTAL DEPTH: 182 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICK-NESS IN FEET	DEPTH FEET
In Miocene Hawthorne Undif. 0	Miocene Series 0	Sand: mottled, white to moderate red to grayish-purple, fine- to medium-grained, well sorted, subangular quartz, with abundant iron minerals at top of interval, 5R4/6 to 5P4/2	40	40
		Clay: grayish-yellow green, slightly calcareous, with Sand; medium- to coarse-grained, moderately sorted, subangular quartz, 5GY7/2	45	85
Oligocene		No samples	25	110
Suwannee 85	Oligocene Suwannee 110	Limestone: white, pure, fossiliferous, with foraminifers common	5	115
		No samples	67	182
T.D. 182	T.D. 182			

WELL NO: GGS 787 ALTITUDE: 230 ft.
WELL NAME: David Mimms TOTAL DEPTH: 225 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Miocene Miccosukee(?) 0	Miocene to Pliocene(?) Series 0	Sand: dark yellowish-orange to light brown, medium- to coarse-grained, poorly sorted, subangular quartz, abundant accessory iron minerals, 10YR6/6 to 5YR5/6 ----------	5	5
	Miocene Series 5	Sand: mottled, pale yellowish-orange to pale greenish-yellow to white, fine-grained, subangular quartz, argillaceous, accessory iron minerals common, calcareous toward bottom of interval, 10YR8/6 to 10Y8/2 ----------	50	55
Miocene Hawthorne Undif. 55		Sand: yellowish-gray, fine- to medium-grained, moderately sorted, subangular quartz, calcareous, phosphatic (white polished grains), with dolomite and rare fossils (Chattahoochee?) toward bottom of interval, 5Y8/1 Sorites sp. at 115-120' Chert at 120-125' ----------	70	125
Oligocene Suwannee 125	Oligocene Suwannee 125	Limestone: yellowish-gray to white, fossiliferous, with foraminifers common, interbedded Chert near top of interval, 5Y8/1 Quinqueloculina sp. at 125-130' No samples from 140'-150' ----------	100	225
T.D. 225	T.D. 225			

WELL NO: GGS 807 ALTITUDE: 178 ft.
WELL NAME: W. D. Cox TOTAL DEPTH: 213 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene to Pliocene Series 0	Sand: mottled, light brown to very pale orange, medium- to coarse-grained, moderately sorted, subangular quartz, argillaceous, accessory iron minerals common, 5YR5/6 to 10YR8/2	40	40
Miocene Hawthorne Undif. 40	Miocene Series 40	Sand: light greenish-gray, fine- to medium-grained, well sorted, subangular quartz, silty, slightly phosphatic, with Limestone; white, sandy, thinly interbedded, 5GY8/1	55	95
Oligocene Suwannee 95	Oligocene Suwannee 95	No Samples	10	105
		Limestone: white, fossiliferous Quinqueloculina sp. at 95-100'	65	170
		Dolomite: grayish-orange, saccharoidal, 10YR7/4	35	205
		No samples	8	213
T.D. 213	T.D. 213			

WELL NO: GGS 808 ALTITUDE: 225 ft.
WELL NAME: C. F. Gunther TOTAL DEPTH: 245 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICK-NESS IN FEET	DEPTH I FEET
In Pliocene Miccosukee-Miocene Hawthorne Undif. 0	Miocene Series 0	Sand: light gray to dark yellowish-orange, very fine- to fine-grained, well sorted, subangular to sub-rounded quartz, N7 to 10YR6/6	35	35
		No samples	20	55
Miocene Hawthorne Undif. 55		Sand: yellowish-gray, fine- to medium-grained, moderately sorted, subangular to subrounded quartz, with inter-bedded Limestone; sandy, 5Y8/1	30	85

Miocene Chattahoochee 85		Limestone: white, sandy, with abundant chert ----------	30	115
Oligocene Suwannee 115	Oligocene Suwannee 115	Limestone: white, foraminifers generally sparse and poorly preserved Foraminifers abundant at 130-140' ----------	65	180
		No samples ----------	65	245
T.D. 245	T.D. 245			

WELL NO: GGS 810 ALTITUDE: 265 ft.
WELL NAME: R. R. Smith TOTAL DEPTH: 265 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene to Pliocene (?) Series 0	Sand: mottled, pinkish-gray to moderate red, fine- to coarse-grained, poorly sorted, angular to sub-angular quartz, argillaceous, accessory iron minerals common, 5YR8/1 to 5R5/4 ----------	25	25
Miocene Hawthorne Undif. 25	Miocene Series 25	Sand: grayish-orange pink to pale red purple, fine-grained, well sorted, angular to subangular quartz, argillaceous, calcareous, accessory iron minerals common near bottom of interval, 10R8/2 to 5RP6/2 Chert at 60-80' ---------- Sand: yellowish-gray, fine- to medium-grained, moderately sorted, subangular quartz, calcareous, 5Y8/1 --------	85 25	110 135
Miocene Chattahoochee 135		Limestone: yellowish-gray, sandy, dolomitic(?), argillaceous near bottom of interval, 5Y8/1 ----------	35	170
Oligocene Suwannee 170	Oligocene Suwannee 170	Limestone: yellowish-gray, fossiliferous, dolomitic(?), chert common, 5Y8/1 <u>Quinqueloculina</u> sp. at 170-175' ----------	25	195
		No samples ----------	70	265
T.D. 265	T.D. 265			

WELL NO: GGS 811 ALTITUDE: 268 ft.
WELL NAME: Cecil Bozeman TOTAL DEPTH: 260 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene to Pliocene Series 0	Sand: mottled, pale reddish-brown to pale red, fine- to coarse-grained, poorly sorted, angular to subangular quartz, argillaceous, accessory iron minerals abundant, 10R5/4 to 5R6/2		
		No samples at 45-60'	75	75
Miocene Hawthorne Undif. 75	Miocene Series 75	Limestone: white to yellowish-gray, sandy, argillaceous, with chert common, Sand is fine-grained, well sorted, subangular quartz, 5Y8/1	60	135
		Sand: mottled, light greenish-gray to pinkish-gray, medium-grained, well sorted, subangular quartz, argillaceous, calcareous, with sparse lignite, 5GY8/1 to 5YR8/1	45	180
Miocene Chattahoochee 180		Limestone: very pale orange, sandy, with molds and casts of megafossils common, with chert, 10YR8/2	10	190
		No samples	5	195
		Sand: yellowish-gray, very fine- to fine-grained, well sorted, angular quartz, with interbedded Limestone; sandy, 5Y8/1	10	205
Oligocene Suwannee 205	Oligocene Suwannee 205	Limestone: white to yellowish-gray, recrystallized, with chert near bottom of interval, 5Y8/1 Pararotalia mexicana mecatepecensis at 215-220'	40	245
		No samples	15	260
T.D. 260	T.D. 260			

WELL NO: GGS 814 ALTITUDE: 229 ft.
WELL NAME: Stevenson #1 TOTAL DEPTH: 250 ft.
COUNTY: Thomas DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	140	140
In Oligocene Suwannee 140	Limestone: recrystallized, tough, with a few bioclasts, including miliolids, worm tubes, and echinoid spines	10	150
	Limestone: white, microgranular to granular, becoming hackly at depth	20	170
	Limestone: very pale orange, recrystallized, bioclasts include macroshell fragments and echinoid fragments, and Clay; dark colored, sparse *Pararotalia mexicana* at 180-200'	30	200
	Limestone: granular, recrystallized, with echinoid and bryozoan remains, and Clay; olive-gray *Dictyoconus* sp. at 200-210'	20	220
	Limestone: very pale orange, chalky, with abundant echinoid spines and smaller foraminifers, and sparse bryozoans and gastropods, and Clay; hackly *Dictyoconus* sp. abundant at 225-235' *Conus* sp. at 230-235'	20	240
	Sand: (caved?) clear, fine- to medium-grained, and Clay; green, hackly, and Limestone; as above	5	245
	Limestone: same as 220-240'	5	250

T.D. 250

WELL NO: GGS 817 ALTITUDE: 195 ft.
WELL NAME: H. B. Burton TOTAL DEPTH: 250 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Series 0	Sand: very light gray, medium-grained, moderately sorted, subrounded quartz, argillaceous, slightly calcareous, N8	30	30
		Sand: mottled, white to moderate greenish-yellow, fine- to medium-grained, moderately sorted, subangular quartz, slightly calcareous, with accessory iron minerals common, 10Y7/4 to 5YR5/6	15	45
Oligocene Suwannee 45	Oligocene Suwannee 45	Limestone: white, granular, with abundant foraminifers *Quinqueloculina* sp. at 45-50'	205	250
T.D. 250	T.D. 250			

WELL NO: GGS 826 ALTITUDE: 261 ft.
WELL NAME: W. E. Redding TOTAL DEPTH: 264 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICK-NESS IN FEET	DEPTH I FEET
In Pliocene Miccosukee 0	Miocene to Pliocene Series 0	Sand: grayish-orange, very fine- to medium-grained, poorly sorted, subangular quartz, argillaceous, with accessory iron minerals abundant, 10YR7/4 ----------	25	25
		Clay: grayish-orange, indurated, with Sand; medium-grained, subangular quartz, 10YR7/4 ----------	10	35
		Sand: yellowish-gray, medium-grained, moderately sorted, subangular quartz, argillaceous, 5Y8/1 ----------	10	45
Miocene Hawthorne 45	Miocene Series 45	Sand: grayish-orange to pale greenish-yellow, very fine-grained to fine-grained, well sorted, subangular quartz, calcareous, argillaceous, with rare lignite and phosphate, 10YR7/4 to 10Y8/2 ----------	30	75
		Limestone: white, with Sand; fine-grained, moderately sorted, subangular quartz, abundant accessory chert ----------	10	85
		Sand: yellowish-gray, very fine- to medium-grained, moderately sorted, subangular to subrounded quartz, calcareous, argillaceous, with chert common near top of interval, 5Y8/1 ----------	70	155
Miocene Chattahoochee 155		Limestone: yellowish-gray, sandy, argillaceous, with rare fragments of megafossils, 5Y7/2 ----------	25	180
		Sand: yellowish-gray to light greenish-gray, fine-grained, well sorted, subrounded quartz, argillaceous, calcareous, 5Y8/1 to 5GY8/1 ----------	15	195
Oligocene Suwannee 195	Oligocene Suwannee 195	Limestone: yellowish-gray, with foraminifers common, accessory chert common, 5Y8/1 Pararotalia mexicana mecatepecensis at 195 - 200' ---	15	210
		No samples ----------	54	264
T.D. 264	T.D. 264			

WELL NO: GGS 830 ALTITUDE: 210 ft.
WELL NAME: Cleo Suber TOTAL DEPTH: 360 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthornee Undif. 0	Miocene Series 0	Clay: mottled, grayish-orange to yellowish-gray, with Sand; fine-grained, well sorted, subangular to subrounded quartz, accessory iron minerals common near top of interval, 10Y7/4 to 5Y8/1 Phosphate (?) grains at 45-50'	64	64
		Limestone: white, sandy, firmly cemented, recrystallized	16	80
		Sand: white to yellowish-gray, fine- to medium-grained, well sorted, subangular quartz, calcareous, argillaceous, with accessory iron minerals abundant near top of interval, 5Y8/1	88	168
		Limestone: white to light olive gray, molds and casts of megafossils common to abundant, dolomitic in part, recrystallized, sandy, 5Y6/1	117	285
		No samples	35	320
		Clay: grayish-green to grayish-yellow green, and Limestone; white, sandy, with pyrite common, 10GY5/1 to 5GY7/2	10	330
Oligocene Suwannee 330	Oligocene Suwannee 330	Limestone: white, granular, fossiliferous Pararotalia sp. at 330-335'	30	360
T.D. 360	T.D. 360			

WELL NO: GGS 854 ALTITUDE: 232 ft.
WELL NAME: Harell Clark TOTAL DEPTH: 270 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene to Pliocene Series 0	Sand: dark yellowish-orange, very coarse-grained, moderately sorted, subangular quartz, accessory iron minerals abundant, 10YR6/6	10	10
Pliocene Miccosukee(?) 10	Miocene Series 10	Sand: pale yellowish-orange to pale reddish-brown, very fine- to medium-grained, moderately sorted, angular to subangular quartz, argillaceous, with accessory iron minerals common, 10YR8/6 to 10R5/4	55	65

Miocene Hawthorne Undif. 65		Sand: white to very pale orange, fine- to medium-grained, moderately sorted, subangular to subrounded quartz, calcareous, fossiliferous, phosphatic (?), 10YR8/2 Ostracods common at 65-70' ----------	65	130
Miocene Chattahoochee 130		Limestone: very pale orange, sandy, with rare fossil impressions, 10YR8/2 Archaias sp. at 145-150' ----------	35	165
Oligocene Suwannee 165	Oligocene Suwannee 165	Chert: white to yellowish-gray, calcareous, 5Y7/2 -------	5	170
		No samples ----------	15	185
		Limestone: white, with abundant foraminifers	5	190
		No samples ----------	15	205
		Limestone: white, loosely cemented, with saccharoidal dolomite at bottom of interval ----------	65	270
T.D. 270	T.D. 270			

WELL NO: GGS 866 ALTITUDE: 180 ft.
WELL NAME: T. N. Dugger TOTAL DEPTH: 210 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Colluvium/ Alluvium 0	Miocene to Pliocene (?) Series 0	Sand: dark yellowish-orange, fine- to coarse-grained, poorly sorted, subangular quartz, argillaceous, with accessory iron minerals abundant, 10YR6/6 ----------	10	10
Miocene Hawthorne(?) Undif. 10	Miocene Series 10	Clay: dark yellowish-orange, silty, 10YR6/6 ----------	5	15
		Sand: white to dark yellowish-orange, fine-grained, well sorted, angular to subangular quartz, argillaceous, accessory iron minerals common, 10YR6/6 ----------	40	55
Miocene Hawthorne Undif. 55		Sand: pale greenish-yellow, fine- to coarse-grained, poorly sorted, subrounded quartz, 10Y8/2 Chert at 90-95' ----------	50	105
Oligocene Suwannee 105	Oligocene Suwannee 105	Limestone: white, granular, recrystallized, fossiliferous, with Sand and Clay; probably caved, near top of interval, dolomitic at bottom of interval Pararotalia mexicana mecatepecensis at 115-120' -----	85	190
		No samples ----------	20	210
T.D. 210	T.D. 210			

WELL NO: GGS 886 ALTITUDE: 262 ft.
WELL NAME: James Groover TOTAL DEPTH: 422 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene to Pliocene Series 0	Sand: grayish-orange pink, medium- to very coarse-grained, poorly sorted, subangular quartz, 5YR7/2 ----------	20	20
		Sand: moderate red, fine-grained, well sorted, subangular quartz, argillaceous, 5R5/4 ----------	10	30
Miocene Hawthorne Undif. 30	Miocene Series 30	Clay: yellowish-gray to very pale orange, silty, sandy at top of interval, 5Y8/1 to 10YR8/2 ----------	100	130
		Sand: white to grayish-yellow green, fine-grained, well sorted, subangular to subrounded quartz, calcareous, argillaceous, 5GY7/2 ----------	105	235
Miocene Chattahoochee 235		Limestone: greenish-gray, sandy, dolomitic, 5GY6/1 Sorites sp. at 240-250' ----------	75	310
		Limestone: greenish-gray to pale yellowish-brown, sandy, dolomitic, with casts and molds of megafossils, rare accessory pyrite, 5GY6/1 to 10YR6/2 ----------	85	395
Oligocene Undif. 395	Oligocene Suwannee 395	Limestone: dolomitic, microfossils sparse Pararotalia mexicana mecatepecensis at 395-410' ------	15	410
		No samples ----------	12	422
T.D. 422	T.D. 422			

WELL NO: GGS 914 ALTITUDE: 285 ft.
WELL NAME: Earl Sanders TOTAL DEPTH: 275 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee- Miocene Hawthorne Undif. 0	Miocene Series	Sand: varicolored, fine-grained (0.2 mm), very well sorted, subrounded quartz, argillaceous, with Limestone; rounded fragments common, accessory iron minerals abundant ----------	70	70

Miocene Hawthorne Undif. 70		Sand: white to light greenish-gray, fine-grained (medium to coarse grains common), well sorted, subangular quartz, with abundant Limestone; sandy, 5GY8/1 ------	55	125
Miocene Chattahoochee 125		Limestone: white to pale yellowish-brown, sandy, dolomitic, sparsely fossiliferous, 10YR6/2 Archaias sp.(?) at 130-135' and at 195-200' ---------	70	195
Oligocene Undif. 195	Oligocene Suwannee 195	Limestone: white to pinkish-gray, recrystallized, fossiliferous, cherty, 5YR8/1 ----------	25	220
		No samples ----------	55	275
T.D. 275	T.D. 275			

WELL NO: GGS 915
WELL NAME: C. W. Beckwith
COUNTY: Thomas

ALTITUDE: 275 ft.
TOTAL DEPTH: 408 ft.
DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH I FEET
		No samples----------	215	215
In Miocene Hawthorne Undif. 215	In Miocene Series 215	Silt: yellowish-gray, calcareous, sandy, with sparse microfossils, interbedded Limestone; sandy, 5Y8/1 ----------	20	235
		Limestone: light gray, silty, sandy, firmly cemented, sparsely fossiliferous, N7 ----------	51	286
		Sand: white to pale greenish-yellow, medium- to very coarse-grained, moderately sorted, subrounded quartz, calcareous, with interbedded Limestone; sandy, fossil fragments common, 10Y8/2 ----------	49	335
		Sand: yellowish-gray, medium-grained, moderately sorted, subangular quartz, silty, calcareous, with abundant fragments of Limestone; sparsely fossiliferous, 5Y8/1 ----------	60	395
		No samples ----------	13	408
T.D. 408	T.D. 408			

WELL NO: GGS 925 ALTITUDE: 248 ft.
WELL NAME: City of Coolidge TOTAL DEPTH: 385 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene (?) Series 0	Sand: moderate reddish-brown, medium- to very corase-grained, poorly sorted, angular quartz, argillaceous, 10R6/1	10	10
		No samples	20	30
	Miocene Series 30	Sand: yellowish-gray, fine-grained, well sorted, sub-angular quartz, and Clay; small, rounded balls, 5Y8/1	10	40
		Sand: pale yellowish-orange, fine- to coarse-grained, poorly sorted, subangular quartz, argillaceous, with accessory iron minerals, 10YR8/6	14	54
Miocene Hawthorne Undif. 54		Sand: white, fine- to medium-grained, well sorted, sub-angular quartz, calcareous, slightly phosphatic	142	196
		Sand: white, fine-grained, well sorted, subangular quartz, with calcareous cement, accessory pyrite common	26	222
Miocene Chattahoochee 222		Limestone: light olive gray to yellowish-gray, fossiliferous with fragments of megafossils common, sandy, with sparse accessory pyrite, 5Y6/1 to 5Y8/1	83	305
		Limestone: grayish-orange, dolomitic, sandy, 10YR7/4	17	322
Oligocene Suwannee 322	Oligocene Suwannee 322	No samples	8	330
		Limestone: white, fossiliferous with abundant foraminifers	50	380
		No samples	5	385
T.D. 385	T.D. 385			

WELL NO: GGS 934 ALTITUDE: 198 ft.
WELL NAME: W. L. Walkins TOTAL DEPTH: 260 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene to Pliocene (?) Series 0	Sand: light brown to dark yellowish-orange, fine- to medium-grained, moderately sorted, subangular quartz, argillaceous, with abundant accessory iron minerals, 5YR6/4 to 10YR6/6 ----------	60	60
Miocene Hawthorne Undif. 60	Miocene Series 60	Sand: grayish-yellow, fine-grained, well sorted, subangular quartz, slightly calcareous, 5Y8/4 ---------	30	90
		Sand: very light gray, medium-grained, well sorted, subrounded quartz, phosphatic, N8 Chert at 110-120' Sorites sp. common at 120-130' ----------	40	130
Oligocene Suwannee 130	Oligocene Suwannee 130	Limestone: white, granular, fossiliferous with foraminifers common ----------	110	240
		No samples ----------	20	260
T.D. 260	T.D. 260			

WELL NO: GGS 995 ALTITUDE: 255 ft.
WELL NAME: Bill Ponder TOTAL DEPTH: 255 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene Series 0	Clay: mottled, pale yellowish-orange to grayish-orange pink, with accessory iron minerals, and Sand; medium- to coarse-grained, poorly sorted, subrounded to subangular quartz, 10YR8/6 to 5YR7/2 ----------	10	10
Miocene Hawthorne Undif. 10		Sand: very pale orange to yellowish-gray, fine- to medium-grained, well sorted, subrounded to subangular quartz, argillaceous, with accessory iron minerals, phosphatic and calcareous near bottom of interval, 10YR8/2 to 5Y8/1 ----------	50	60

		Limestone: white, sandy, phosphatic (?) ----------	10	70
		Sand: yellowish-gray to light greenish-gray, medium-grained, well sorted, subrounded quartz, calcareous, argillaceous, sparsely phosphatic, with interbedded Limestone; sandy, 5Y8/1 to 5GY8/1 ----------	50	120
Miocene Chattahoochee 120		Limestone: yellowish-gray, sandy, with molds and casts of megafossils common, 5Y7/2 Sorites sp. at 130-140' ----------	20	140
Oligocene Suwannee 140	Oligocene Suwannee 140	Limestone: white, fossiliferous with abundant foraminifers, chert ----------	30	170
		No samples ----------	85	255
T.D. 255	T.D. 255			

WELL NO: GGS 996 ALTITUDE: 260 ft.
WELL NAME: G. C. Hutchison TOTAL DEPTH: 267 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Pliocene Miccosukee 0	Miocene to Pliocene Series 0	Sand: mottled, very pale orange to light brown, fine- to very coarse-grained, poorly sorted, well rounded to angular quartz, slightly argillaceous, with abundant accessory iron minerals, 10YR8/2 to 5YR5/6 ----------	5	5
	Miocene Series 5	Clay: mottled, grayish-orange pink to yellowish-gray to white, with Sand; fine- to medium-grained, moderately sorted, subangular quartz, 5YR7/2 to 5Y7/2 ----------	25	30
Miocene Hawthorne Undif. 30		Sand: yellowish-gray, fine-grained, well sorted subangular quartz, with accessory chert, 5Y7/2 ----------	20	50
		Sand: yellowish-gray, very fine- to medium-grained, moderately sorted, subrounded to subangular quartz, calcareous with fragments of microcrystalline Limestone; argillaceous, phosphatic, 5Y8/1 to 5Y8/4 Chert common at 55-70' Lignite common at 85-90' ----------	90	140

Miocene Chattahoochee 140		Limestone: white to pinkish-gray to yellowish-gray, sandy, dolomitic, argillaceous, recrystallized, sparsely fossiliferous, 5YR8/1 to 5Y8/1 ----------	20	160
Oligocene Suwannee 160	Oligocene Suwannee 170	No samples ----------	10	170
		Limestone: yellowish-gray, recrystallized, fossiliferous with abundant poorly preserved foraminifers, chert common, 5Y8/1 ----------	10	180
		No samples ----------	87	267
T.D. 267	T.D. 267			

WELL NO: GGS 1022 ALTITUDE: 191 ft.
WELL NAME: McIntyre & Edwards TOTAL DEPTH: 240 ft.
COUNTY: Thomas DESCRIBED BY: C. W. Sever

SUMMARY:

THIS REPORT	SEVER	DESCRIPTION	THICKNESS IN FEET	DEPTH I FEET
In Colluvium- Miocene Hawthorne Undif. 0	Miocene Series	Sand: very pink orange, medium- to coarse-grained, moderately sorted, subrounded quartz, 10YR8/2 ------	14	14
Miocene Hawthorne Undif. 14		Sand: mottled white to dark yellowish-orange, fine- to medium-grained, moderately sorted, subangular quartz, argillaceous, calcareous, accessory iron minerals common, 10YR6/6 ----------	41	55
Miocene Chattahoochee 55		Limestone: white to yellowish-gray to pinkish-gray, sandy, with molds and casts of megafossils sparse, chert at top of interval, 5Y7/2 to 5YR8/1 ----------	35	90
Oligocene Suwannee 90	Oligocene Suwannee 90	No samples ----------	20	110
		Limestone: white, fossiliferous with abundant foraminifers Quinqueloculina sp. at 110-115' ----------	130	240
T.D. 240	T.D. 240			

WELL NO: GGS 3188 ALTITUDE: 200 ft.
WELL NAME: Thomas #4 (U.S. Gypsum 76-1) TOTAL DEPTH: 904 ft.
COUNTY: Thomas DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	70	70
In Miocene Chattahoochee 70	Dolomite: white to very light gray, sandy (fine-grained), argillaceous, brecciated	15	85
Oligocene Suwannee 85	No samples	11	96
	Limestone: white, chalky, calcilutitic, slightly argillaceous	4	100
	No samples	9	109
	Limestone: medium- to coarse-grained, even-textured, pelletal, fossiliferous with miliolids and foraminifers, inclined bedding at 110-115', Clay at 118-120'	34	143
	Limestone: dolomitic, fossiliferous	24	167
	Limestone: fossiliferous, very slightly dolomitic *Dictyoconus* sp. at 171'	51	218
Oligocene Undif. 218	Dolomite: tan to gray, dense, hard, sugary, fine-grained, intraclastic, alternating layers of fine and coarse dolomite at bottom of interval, fossiliferous with small mollusk molds, and Clay; dark gray, at 273-274' Chert at 242'	56	274
	Limestone: chalky, massive, structureless, granular, slightly dolomitic at base of interval, abundantly fossiliferous with foraminifers *Lepidocyclina* sp. throughout interval *Rhyncolampus gouldii* at 282' *Turritella* cf. *mississippiensis* at 283'	15	289
	Dolomite: brown to gray, hard, dense, sucrosic, sparsely fossiliferous	13	302
	Limestone: finely granular, calcarenitic, dolomitic at base of interval, abundantly fossiliferous with bryozoans and foraminifers (*Lepidocyclina* sp. common)	8	310
U. Eocene Ocala Undif. 310	Limestone: white to cream, slightly to extremely dolomitic, locally becoming a calcareous dolomite (tan), pelletal, abundantly fossiliferous with miliolids and foraminifers, rare corals and gastropods		

	Lepidocyclina sp. at 311', 420-504'		
	Asterocyclina sp. at 318', 330', 346'		
	Nummulites sp. at 313', 324'		
	Amusium ocalanum at 318', 327'		
	Heterostegina sp. at 414'		
	Spondylus sp. at 419', 442'		
	Gypsum, as selenite, at 491' ----------	235	545
	Limestone: tan to buff to cream, bioclastic, massive structureless, hard, recrystallized, porous, generally non-dolomitic to very slightly dolomitic, pelletal, abundantly fossiliferous with miliolids, foraminifers, bryozoans, some mollusk molds, algae		
	Lepidocyclina sp. at 557', 720-791'		
	Asterocyclina sp. at 581-593'		
	Nummulites sp. at 568', 582', 672', 720-791'		
	Spondylus sp. at 605', 628'		
	Lepidocyclina ocalana at 740'		
	Gypsum, granular, at 735-746', 787-791' ----------	246	791
M. Eocene Undif. 791	Limestone: more finely granular than above, even textured, massive, slightly dolomitic below 868', less fossiliferous than above with echinoids, foraminifers		
	Nummulites sp., Lepidocyclina sp. throughout interval		
	Lepidocyclina ocalana at 846', 867'		
	Gypsum, nodular, scattered from 831-904' ----------	113	904
T.D. 904			

WELL NO: GGS 3207 ALTITUDE: 238 ft.
WELL NAME: Thomas #5 (U.S. Gyspum 76-9) TOTAL DEPTH: 1206 ft.
COUNTY: Thomas DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH I FEET
	No samples ----------	84	84
In Miocene Chattahoochee 84	Sand: slightly argillaceous ----------	10	94
	Dolomite: sandy, slightly argillaceous ----------	31	125
	Sand: slightly argillaceous and dolomitic ----------	5	130
Oligocene Suwannee 130	Limestone: fossiliferous with foraminifers and corals, top 6' of interval is brecciated, cherty, argillaceous, with green clay layers		
	Dictyoconus sp. at 218', 252'		
	Rhyncolampus gouldii at 222' ----------	126	256
	Limestone: pelletal, algal, fossiliferous (abundant Lepidocyclina sp.) ----------	20	276

Oligocene Undif. 276	Limestone: algal ----------	45	321
	No samples ----------	15	336
U. Eocene Ocala Undif. 336	Limestone: coquina, abundantly fossiliferous with algae and foraminifers Asterocyclina sp. at 336-341', 364' Nummulites floridensis at 337' Heterostegina sp. at 314', 342' Lepidocyclina sp. common below 361' ----------	58	394
	Dolomite: and interlayered Limestone; sparsely fossiliferous ----------	103	497
	Limestone: abundantly fossiliferous with foraminifers Gypsum, scattered, concentrated at 496-500', and as selenite in optical continuity at 674-679' Asterocyclina sp. at 627', 650', 659', 666' Nummulites sp. at 635', 658' ----------	204	701
	Limestone: cream to white, dolomitic (tan to brown), chalky to somewhat granular, sparsely to moderately fossiliferous with foraminifers Gypsum, nodular, scattered throughout interval but concentrated at 701-705', 722-731', 756-762', 788-790' Spondylus sp. at 705' Nummulites sp. at 707', 738', 745', 757-790' Lepidocyclina sp. at 757-790' ----------	89	790
M. Eocene Undif. 790	Limestone: equigranular, chalky, firm, consolidated, locally bioclastic and pelletal, becoming very fine-grained below 980', with interlayered Dolomite; at 938-959', mottled tan and brown, sucrosic, and dolomitic Limestone from 959-1049', generally very sparsely fossiliferous with scattered thin layers more abundantly fossiliferous Gypsum, nodular, at 859', 939-946', 953', 963', selenite at 957' Chert, scattered nodules starting at 902', more concentrated at 934-956', scattered in 1-2' layers and as isolated nodules below 956' Poor recovery at 1006-1023', 1111-1122' Nummulites sp. and Lepidocyclina sp. scattered throughout interval Nummulites sp. at 1025-1030', 1045-1077', 1110', 1129' Lenticulina sp. at 1193' ----------	416	1206
T.D. 1206			

WELL NO: GGS 3215 ALTITUDE: 248 ft.
WELL NAME: Thomas #6 (U.S. Gypsum 76-11) TOTAL DEPTH: 801 ft.
COUNTY: Thomas DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	106	106
In Miocene Chattahoochee 106	Dolomite: buff to pale tan, hard, dense, brittle, intraclastic, sandy (fine-grained), slightly argillaceous, cherty in scattered thin layers, sparsely fossiliferous with scattered intervals of mollusk molds	51	157
Oligocene Suwannee 157	Limestone: white to pale cream, dense, fine-grained, bioclastic, even textured, pelletal at base of interval, fossiliferous with miliolids, foraminifers, mollusks molds, corals, bryozoans, algae, Clay; green, scattered clasts at 178-192' Chert at 157-166' Lepidocyclina sp. throughout interval Kuphus incrassatus at 173' Dictyoconus sp. at 262'	116	273
Oligocene Undif. 273	Limestone: algal framework, pelletal, with poor recovery suggesting a softer limestone between algal layers Lepidocyclina sp. throughout interval	73	346
U. Eocene Ocala Undif. 346	Limestone: coquinoid with algae and foraminifers (Lepidocyclina sp.), locally recrystallized, porous Asterocyclina sp. throughout interval	24	370
	Limestone: recrystallized, indurated, hard, alternating non-porous and porous depending on degree of recrystallization, dolomitic at bottom of interval, fossiliferous	23	393
	Limestone: white, porous, fossiliferous with abundant algal balls and foraminifers (Lepidocyclina sp. common)	36	429
	Dolomite: brown, hard, dense, becoming lighter colored and more porous with depth, grading into a Limestone; dolomitic, soft, friable, sucrosic below 457' with intervals of pure Limestone; cream, fine-grained, rhombic, recrystallized below 533', entire interval is non-fossiliferous to sparsely fossiliferous Gypsum, as selenite, at 518-521'	162	591

	Limestone: coarse, granular with some micritic layers, bioclastic, recrystallized, bedded, fossiliferous but with poor preservation at top of interval Lepidocyclina sp. throughout interval, where preserved ----------	56	647
	Limestone: cream, bioclastic, moderately recrystallized, some micritic and chalky layers near bottom of interval, abundantly fossiliferous (much better preservation than above) with foraminifers, scallops, algae Asterocyclina sp. throughout interval Nummulites sp. at 668', 699', 705', 711' Spondylus sp. at 678' Gypsum, as selenite, at 736-738', nodular gypsum at 738-745' ----------	110	757
	Limestone: tan to brown, dolomitic, very thinly layered, fossiliferous, with foraminifers Nummulites sp. at 762' Gypsum, granular, throughout interval ----------	15	772
	Dolomite: tan to brown, hard, with fossil pseudomorphs Gypsum, nodular and as selenite, throughout interval ----------	13	785
M. Eocene Undif. 785	Limestone: buff to cream, dolomitic, granular, thinly bedded, fossiliferous Lepidocyclina sp. throughout interval Gypsum, granular, throughout interval ----------	16	801

T.D. 801

WELL NO: GGS 3534 ALTITUDE: 330 ft.
WELL NAME: City of Meigs TW 1 TOTAL DEPTH: 1439 ft.
COUNTY: Thomas DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Sand: very pale orange, very fine- to very coarse-grained, poorly sorted, angular grains, with feldspar, heavy minerals, and Clay; white to iron stained, sandy, micaceous, with diatoms, 10YR8/2 ----	60	60
	Sand: light yellowish-gray, fine-grained, indurated, with clay matrix, diatomaceous, micaceous, and Sand; as above, with sponge spicules, 5Y8/2 ----------	30	90
	Sand: white to yellowish-gray, very fine- to fine-grained, well sorted, angular grains, iron stained, and Clay; yellowish-green, slightly phosphatic, and Dolomite; yellowish-brown, sucrosic, at certain levels, N9 to 5Y8/1 ----------	40	130

	Claystone: yellowish-gray to pale yellowish-brown, finely sandy, micaceous, slightly phosphatic, slightly calcareous, with diatoms and sponge spicules, 5Y8/2 to 10Y7/2 ----------	80	210
	Claystone: pale yellowish-brown to yellowish-gray, finely sandy, calcareous, phosphatic, micaceous, with sponge spicules, and Dolomite; white, very finely sucrosic, sandy, 10Y7/2 to 5Y8/1 ----------	60	270
	Dolomite: white, dense, very finely sucrosic, very sandy, fossiliferous, with altered shell fragments, macroshell molds, fish teeth, and sponge spicules, N9 ----	60	330
	Limestone: yellowish-gray, dense, sandy, fossiliferous, with molds and impressions of macroshells, and Dolomite; light brown, sucrosic, and Sand; fine-grained, moderately sorted, angular grains, with phosphate grains, pyrite, and glauconite at certain levels, 5Y7/2 ----------	40	370
	Sand: white to yellowish-gray, fine- to coarse-grained, moderately sorted, subangular grains, with phosphate grains, and Dolomite; white to yellowish-brown, finely sucrosic, with bivalve molds, N9 to 5Y7/2 --------	20	390
	Limestone: white, dense, sandy, and Sand; fine- to coarse-grained, poorly sorted, angular grains, and Dolomite; white to yellowish-gray, finely sucrosic, with trace of pyrite, N9 to 5Y8/1 *Sorites* sp. at 414-424' ----------	30	420
	Dolomite: white to light olive-gray, very finely sucrosic, slightly sandy, and Limestone; dense, sandy, N9 to 5Y6/1 ----------	24	444
Oligocene Undif. 444	Dolomite: white to light olive-gray, very finely sucrosic, and Limestone; white, dense to chalky, fossiliferous, and Sand; very fine- to medium-grained, angular grains, N9 to 5Y6/1 *Asterigerina subacuta*, *Pararotalia mexicana*, *Lepidocyclina* sp., *Sphaerogypsina* sp., *Cibicides* sp., *Guttulina* sp., *Discorbis* sp. at 444-454' *Elphidium* cf. *rota*, *Floralis* sp., *Tubulogenerina* sp. at 464-474' *Reussella* cf. *chipolensis*, at 474-484' *Nummulites* sp. at 504-514' ----------	100	544
	Limestone: yellowish-gray, granular to micritic, sandy, dolomitic, very fossiliferous, and Dolomite; as above, and Sand; as above, 5Y7/2 *Lepidocyclina* sp. at 544-554' *Nummulites* sp. at 574-584' ----------	60	604
	Dolomite: light olive-gray, coarsely sucrosic, and Limestone; dense, microcoquina, dolomitic, 5Y6/2 --------	30	634
	Dolomite: dusky yellow, very finely sucrosic, slightly porous, and Limestone; as above, and Sand; fine- to medium-grained, sparse, 5Y6/2 and N9 ----------	70	704

	Dolomite and Limestone: yellowish-gray, dolomite is dense, very fine- to fine-grained, phosphatic, limestone is very finely granular, dense, dolomitic, and Sand; fine-grained, angular grains, and Chert; tan to red, at certain levels, 5Y7/2 Dentalina sp., Faleocibicides sp., and Nummulites cf. panamensis at 714-724' Uvigerina sp., Globigerina eocaena, Cibicides pippeni at 745-755' Cibicides americanus(?) at 785-795' ----------	91	795
U. Eocene Undif. 795	Limestone: yellowish-gray, dense, pure, coarsely granular, fossiliferous, with echinoids, bryozoans, and foraminifers, and Chert; light brown, chalky, and Dolomite; as above, rare, sparsely glauconitic, may have caved from above, 5Y8/2 Asterocyclina sp. and Nummulites floridensis at 795-805' Siphonina sp. at 805-815' Lepidocyclina ocalana at 815-852' ----------	30	825
	Limestone: yellowish-gray, extremely fine-grained microcoquina, silty, sandy, and slightly dolomitic, with traces of glauconite and pyrite, fossiliferous, and Sand; medium-grained, iron stained, micaceous (caved?), and Dolomite; as above, and Chert; dark reddish brown, 5Y8/1 ----------	60	885
	Dolomite; olive-gray, very dense, sucrosic, fossiliferous, and Limestone; as above, and traces of Clay; green, micaceous, and glauconite (both granular and disseminated forms) with pyrite, 5Y6/1 ----------	7	892
	Limestone: yellowish-gray to light olive-gray, dense, very fine-grained, granular, dolomitic, fossiliferous, glauconitic in part, and Dolomite; as above, and Sand; very fine- to very coarse-grained, angular grains, with phosphate grains, 5Y8/1 to 5Y6/1 Valvulineria sp. and Reussella sp. at 905-915' Cassidulina sp. and Textularia sp. at 915-925' ------	33	925
	Limestone: pale grayish-yellow to dusky yellow, finely to coarsely granular, fossiliferous, argillaceous to silty, dolomitic, glauconitic, and Sand; very fine-grained and angular to coarse-grained and rounded, glauconitic, 5Y9/4 to 5Y7/4 Globigerina eocaena at 925-936' ----------	20	945
M. Eocene Claiborne Undif.(?) 945	Sand: light yellowish-gray, very fine- to medium-grained, moderately sorted, angular to rounded grains, with sparse heavy minerals, and Limestone; very finely to coarsely granular, very fossiliferous with bivalves, bryozoans, and algal remains, glauconitic, pyritic, and Chert; amber-colored, translucent, 5Y7/2 Truncorotoloides rohri(?) at 954-964' ----------	30	975

	Limestone: yellowish- to greenish-gray, granular to crystalline, glauconitic, pyritic, silty to finely sandy, and Sand; very fine- to medium-grained, angular grains, and Dolomite; very fine-grained, 5Y7/1 to 5GY7/1 ----------	61	1036
M. Eocene Claiborne Undif. 1036	Limestone: very light gray to greenish-gray, finely to coarsely granular, with finely disseminated glauconite and glauconite-replaced foraminifers, and Sand; clear, rose, and amethyst quartz, very fine- to very coarse-grained, angular to rounded grains, N8 to 5GY7/1 Polylepidina sp., Cibicides westi, Diocibicides sp., and abundant Discocylina sp. at 1036-1046' ----------	60	1096
	Sand: greenish-gray, very fine- to medium-grained, angular grains, and Dolomite; olive-gray, sucrosic, very sandy, and Limestone; white, dense, crystalline, glauconitic, fossiliferous, 5GY7/1 ----------	20	1116
	Limestone: greenish-gray, argillaceous, sandy, glauconitic, and Sand; gray, very fine- to very coarse-grained, poorly sorted, angular to rounded grains, and Chert; tan, calcareous, 5GY7/1 ----------	80	1196
	Siltstone: greenish-gray, sandy, calcareous, slightly dolomitic, with glauconite, pyrite, and trace of muscovite, heavy minerals, 5GY6/1 to 5GY7/1 Phosphate grains and trace of gray shale at 1246-1276' ----------	80	1276
	Sand: dusky green to light gray, medium-grained, well sorted, angular to rounded grains, with glauconite, pyrite, and muscovite, 5G3/2 to N7 ----------	24	1300
	Sand: very light gray to greenish-black (glauconite), medium-grained, moderately sorted, angular to rounded grains, very glauconitic, indurated in part, with calcite and silica cement, and Siltstone; dense, white, increasing at depth, N7 and 5GY2/1 ----------	46	1346
	No samples ----------	10	1356
	Lithology as in 1300-1346' ----------	50	1406
	Siltstone: greenish-gray, calcareous, sandy, glauconitic, pyritic, and Limestone; white, dense, and Sand; as above, and Chert, brown, translucent ----------	10	1416
	Lithology as in 1300-1346' ----------	23	1439

T.D. 1439

WELL NO: GGS 397 ALTITUDE: 360 ft.
WELL NAME: Garrett Jones #1 TOTAL DEPTH: 242 ft.
COUNTY: Tift DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Clay: mottled, very sandy	23	23
		Sand: fine- to coarse-grained, somewhat indurated, and Clay; light gray, sandy	27	50
		Clay: light gray, very sandy	20	70
		Sand: fine- to coarse-grained, and Clay; light gray to pale green, sandy, and Limestone; white, sandy	103	173
		Sand: medium- to coarse-grained, angular grains, arkosic, and Clay; pale green, sandy	10	183
		Limestone: dense, dolomitic, sandy, and Clay; pale green, sandy	10	193
		Sand: fine- to coarse-grained, and Limestone and Clay; as above	7	200
		Sand: fine- to coarse-grained, and Limestone; white, dense, sandy, with molds and fragments of macro-shells, limestone increases with depth	42	242

T.D. 242

WELL NO: GGS 419 ALTITUDE: 338 ft.
WELL NAME: Lawhorn Farm TOTAL DEPTH: 350 ft.
COUNTY: Tift DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Sand: fine- to coarse-grained, angular grains, argilla-ceous, somewhat carbonaceous	10	10
		Sand: red, fine- to medium-grained, somewhat argilla-ceous	20	30
		Clay: gray to red to purple, fine- to medium-grained, very sandy to argillaceous	10	40
		Clay: pale green, sandy, and Limestone; dense, sandy, sparse	20	60
		Clay: light gray, blocky, sandy	10	70
		Limestone: dense, calcitized, and sandy	100	170
Oligocene Undif. 170	Oligocene Suwannee 170	Limestone: crystalline, calcitized, somewhat saccharoidal, and fossiliferous	180	350
	U. Eocene(?) Ocala 320			
T.D. 350	T.D. 350			

WELL NO: GGS 1465 ALTITUDE: 370 ft.
WELL NAME: Humble Oil Co. #1 TOTAL DEPTH: 260 ft.
COUNTY: Tift DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined	70	70
In Miocene Hawthorne Undif. 70	Limestone: white, very sandy (sand is very fine-grained)	10	80
	Sand: yellow, iron stained, coarse-grained, partially indurated, medium- to coarse-grained	20	100
	Sand: fine-grained, micaceous, with calcareous clay matrix	40	140
	Clay: tan, hackly, and Sand; as above	10	150
	Clay: light greenish-gray, sandy in part, with sparse, chalky limestone intraclasts	20	170
	Limestone: sandy, nodular in part, and contains sparse macrofossils	10	180
	Sand: indurated, with calcareous clay matrix	20	200
Oligocene Suwannee(?) 200	Limestone: very pale orange, with relict bioclastic texture	10	210
	Limestone: very pale orange, bioclastic, dense, Lepidocyclina sp. at 210-260'	50	260

T.D. 260

WELL NO: GGS 1782 ALTITUDE: 335 ft.
WELL NAME: Cities of Brookfield/Vanceville TOTAL DEPTH: 580 ft.
COUNTY: Tift DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined	200	200
In Miocene Hawthorne Undif. 200	Sand: fine-grained, finely micaceous, with Clay	23	223
	Sand: coarse- to very coarse-grained, and Clay; phosphatic, sandy	55	278
Oligocene Suwannee(?) 390*	No samples	182	460
	Limestone: very pale orange, granular, bioclastic Lepidocyclina sp. at 460-490' Pararotalia mexicana at 500-580'	120	580

T.D. 580

*Contact based on geophysical data

WELL NO: GGS 1903 ALTITUDE: 250 ft.
WELL NAME: I. W. Varnadore TOTAL DEPTH: 670 ft.
COUNTY: Tift DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined	260	260
In Miocene Hawthorne Undif. 260	Sand and Clay: yellowish-gray, sand is fine- to medium-grained	30	290
	Limestone: dolomitic, sandy, and Clay; greenish-gray, sparse	30	320
	Sand: poorly sorted, and Limestone and Clay; as above	10	330
	Limestone: same as 290-320'	10	340
	Clay: green, and Sand; fine-grained	10	350
	Limestone: very light gray, sandy	10	360
	Dolomite: very light gray, finely crystalline, sandy, and Clay; green	20	380
	Limestone: light gray, dolomitic, chalky, sandy,	10	390
	Dolomite: light gray, fine-grained, sparsely sandy	20	410
	Clay: greenish-gray, dolomitic, sandy, phosphatic, micaceous	10	420
	Sand: light gray, micaceous, argillaceous, with dolomitic matrix	10	430
	Dolomite: light gray, sandy, and Sand; poorly sorted, and Clay; green	30	460
	Sand: light gray, fine-grained, with small phosphate grains and Dolomite; as above	10	470
	Sand: light gray, coarse-grained, and Dolomite; as above, and Clay	10	480
	Clay: dark gray, and Dolomite; as above, and phosphate grains	10	490
	Dolomite: same as 430-460'	10	500
	Clay, Dolomite, and Sand: same as 470-500'	10	510
	No samples	10	520
	Clay: dark gray, hackly, sparsely micaceous	20	540
	Sand: gray, very coarse-grained, with pebbles, feldspar, and Limestone; very altered, with bryozoan remains, pelecypod molds, and reworked (worn, dark-colored) Nummulites sp., and Clay; green	10	550
	Dolomite: light to medium gray, sandy, and Clay; green, with sparse limestone intraclasts	10	560
	Clay: greenish-gray, sandy, micaceous, and Dolomite; hackly, sandy, and Sand; coarse-grained, feldspathic	20	580
Oligocene Undif. 580	Dolomite: pinkish-gray, finely crystalline, saccharoidal, and Clay; green, sparsely sandy Lepidocyclina sp., and Nummulites sp. (very worn) at 600-610'	30	610

	Limestone: yellowish-gray, with relict bioclastic texture, and Clay; green ----------	10	620
	Limestone: gray and white, dense, recrystallized, bioclastic *Pararotalia mexicana* at 620-630' Abundant *Lepidocyclina* sp. at 640-650' ----------	40	660
	Dolomite: pale brown, finely saccharoidal ----------	10	670

T.D. 670

WELL NO: GGS 1930 ALTITUDE: 295 ft.
WELL NAME: Eddie Green TOTAL DEPTH: 352 ft.
COUNTY: Tift DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined ----------	154	154
In Miocene Hawthorne Undif. 154	Sand: very pale orange, fine- to medium-grained, with chalky, calcareous matrix ----------	22	176
	Clay: light green, calcareous, very sandy ----------	22	198
	Dolomite: light gray to light green, finely sandy, argillaceous ----------	22	220
	Limestone: light gray, dolomitic, dense, sandy to argillaceous ----------	66	286
	Sand: coarse-grained, and Limestone; finely sandy, and Clay; light green, hackly ----------	22	308
Oligocene Undif. 308	Limestone: pale pinkish-gray, dense, recrystallized, bioclastic ----------	44	352

T.D. 352

WELL NO: GGS 1977 ALTITUDE: 311 ft.
WELL NAME: A. B. Ethridge TOTAL DEPTH: 280 ft.
COUNTY: Tift DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	95	95
In Oligocene Undif. 95	Limestone: very pale orange, recrystallized, bioclastic, nodular, chalky Lepidocyclina sp. at 110-120' Nummulites sp. at 140-150' Lepidocyclina favosa at 160-210'	115	210
U. Eocene Ocala? Undif. 210	Limestone: very pale orange, granular, bioclastic Nummulites floridensis(?) at 210-250'	10	220
U. Eocene Ocala Undif. 220	Limestone: very pale orange, nummulitic coquina, with abundant foraminifers, and bryozoans Heterostegina sp. at 240-250' Nummulites floridensis at 260-280'	60	280
T.D. 280			

WELL NO: GGS 1989 ALTITUDE: 324 ft.
WELL NAME: Waterman TOTAL DEPTH: 490 ft.
COUNTY: Tift DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not Examined	190	190
In Miocene Hawthorne Undif. 190	Sand: yellowish-gray, poorly sorted, micaceous, with clay matrix, and Clay; sandy	30	220
	Dolomite: yellowish-gray, finely sandy	10	230
	Limestone: yellowish-gray, micritic, sandy, and Clay; calcareous, sandy	10	240
	Clay: yellowish-gray, hackly, and Limestone; sandy	30	270
	Sand: yellowish-gray to very pale orange, fine-grained, with calcareous clay matrix	10	280

	Clay: yellowish- to greenish-gray, and Limestone; sandy, and Sand	20	300
	Limestone: light yellowish-gray, sandy	10	310
	Dolomite: very pale orange, finely crystalline, finely sandy, and Clay; green	20	330
	Clay: grayish-green, sandy, and Dolomite; sandy	10	340
	Sand: greenish-gray, argillaceous, with dolomitic matrix	10	350
	Dolomite: white to yellowish- and greenish-gray, finely crystalline, sandy, and Clay; green, sandy Macroshell fragments (sparse) and phosphate grains at 400-410'	90	440
	Limestone: white to yellowish-gray, recrystallized, dense, and Dolomite; as above	10	450
	Limestone: yellowish-gray, very chalky, porous, and Sand; very coarse-grained to pebble-sized	10	460
	Dolomite: same as 350-440'	10	470
Oligocene Undif. 470	Limestone: yellowish-gray, chalky, porous, nodular and Clay; green <u>Pararotalia mexicana</u>, <u>Lepidocyclina</u> sp. and <u>Nummulites</u> sp. at 470-490'	20	490

T.D. 490

WELL NO: GGS 1993 ALTITUDE: 392 ft.
WELL NAME: Abraham Baldwin Ag. College TOTAL DEPTH: 500 ft.
COUNTY: Tift DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined	244	244
In Miocene Hawthorne Undif. 244	Limestone: yellowish-gray, chalky, sandy, and Sand; fine-grained to very coarse-grained, with pebbles	10	254
Oligocene Suwannee(?) 254	Limestone: very pale orange, dense, recrystallized, bioclastic	6	260
	Limestone: very pale orange, coarsely recrystallized to micritic, also dolomitic, microcrystalline with finely disseminated pyrite	4	264
	Limestone: very pale orange, granular, bioclastic, sparry, with recrystallized foraminifera <u>Pararotalia mexicana</u> at 264-274'	30	294
	No samples	206	500

T.D. 500

WELL NO: GGS 2067 ALTITUDE: 300 ft.
WELL NAME: Harding Church TOTAL DEPTH: 220 ft.
COUNTY: Tift DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined	105	105
In Miocene Hawthorne Undif. 105	Limestone: yellowish-gray, sandy, and Sand; fine-grained	15	120
	Clay: light to medium yellowish-gray, sandy, sparsely micaceous, and Limestone; as above	30	150
	Limestone: light to medium yellowish-gray, slightly sandy, most is chalky, with sparse macroshell fragments	30	180
	Clay: yellowish-gray, calcareous, very sandy, and Limestone; as above	15	195
Oligocene Undif. 195	Limestone: white to very light gray, dense, recrystallized, with relict bioclasts	15	210
	No samples	10	220

T.D. 220

WELL NO: GGS 146 ALTITUDE: 205 ft.
WELL NAME: B. M. Brown #1 TOTAL DEPTH: 3148 ft.
COUNTY: Toombs DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	30	30
In Miocene Hawthorne Undif. 30	Sand: light greenish-gray, fine- to coarse-grained, poorly sorted, clayey, silty, with phosphate, 5Y8/1	280	310
	Sand: light gray, fine- to medium-grained, poorly sorted, calcareous, with phosphate and macrofossil fragments, N7	175	485
	Limestone: yellowish-gray, sandy, with phosphate and macrofossil fragments, Sand; medium-grained, poorly sorted, calcareous, dolomitic, with phosphate and macrofossil fragments, 5Y8/1	75	560

	Sand: yellowish-gray, medium-grained, moderately to poorly sorted, calcareous, phosphatic, with macrofossil fragments, 5Y8/1	85	645
Oligocene Undif. 645	Sand: light gray, medium-grained, poorly sorted, with phosphate and macrofossil fragments, Limestone; fine-grained, microfossiliferous, 5Y8/1 Pararotalia mexicana at 650-660'	140	785
Upper Eocene Undif. 785	Limestone: pinkish-gray, fine-grained, bioclastic, soft to dense, 5Y8/1 Asterocyclina sp. at 785-795'	40	825
	Sand: yellowish-gray, fine-grained, moderately sorted, calcareous, 5Y8/1	145	970
	Sand: yellowish-gray, fine- to medium-grained, poorly sorted, calcareous, dolomitic, with phosphate, Limestone; yellowish-gray, sandy, 5Y8/1	50	1020
Middle Eocene Claiborne Undif. 1020	Limestone: yellowish-gray to light gray, sandy, coarsely glauconitic, Sand; yellowish-gray to light gray, calcareous, dolomitic, with oyster shell fragments and glauconite, Clay; yellowish-gray with diatoms, 5Y8/1 to N7	205	1225
	Sand: yellowish-gray to light gray, medium-grained, poorly sorted, calcareous, silty to clayey, with phosphate and glauconite, Limestone; yellowish-gray, fine-grained, sandy, 5Y8/1 to N7	175	1400
Lower Eocene/ Paleocene Undif. 1400	Sand: light olive gray to light gray, fine- to medium-grained, poorly sorted, with glauconite and pyrite, Limestone; sandy, with glauconite, Silt; indurated, fissile, clayey, 5Y6/1 to N7 Morozovella acuta at 1415-1420'	220	1620
	Sand: light gray, medium- to coarse-grained, poorly sorted, calcareous, silty, phosphatic, with feldspar and glauconite, Limestone; sandy, N7	255	1875
Upper Cretaceous Undif. 1875	Sand: yellowish-gray to very light gray, fine- to medium-grained, moderately sorted, calcareous, glauconitic, phosphatic, with pyrite, Silt; clayey, calcareous, micaceous, 5Y8/1 to N8 Anomalina pseudopapillosa at 1930-1940'	295	2170
	Limestone: yellowish-gray, lutitic, sandy, with phosphate and heavy minerals, 5Y8/1	20	2190
	Sand: yellowish-gray to light olive gray, fine- to medium-grained, moderately sorted, calcareous, glauconitic, with phosphate, Clay; silty, micaceous, calcareous, 5Y8/1 to 5Y6/1	240	2430

	Sandstone: light olive gray, medium- to very coarse-grained, poorly sorted, calcareous cement, micaceous, with feldspar and phosphate, 5Y6/1	40	2470
	Sand: yellowish-gray, fine-grained, well to moderately sorted, glauconitic, 5Y8/1	40	2510
	Sand: light olive gray to yellowish-gray, fine- to very coarse-grained, poorly sorted, feldspathic, glauconitic, with phosphate and pyrite, Silt; clayey, micaceous, calcareous, 5Y6/1 to 5Y8/1	290	2800
	Sand: yellowish-gray, medium- to very coarse-grained, phosphatic, feldspathic, with glauconite and pyrite, macrofossil fragments, and lignite, Silt; clayey, fissile, micaceous, calcareous, 5Y8/1	345	3145
	No samples	3	3148

T.D. 3148

WELL NO: GGS 640 ALTITUDE: 217 ft.
WELL NAME: Dowdy Farm TOTAL DEPTH: 560 ft.
COUNTY: Toombs DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	53	53
In Miocene Altamaha 33	Clay: yellowish-gray, moderately indurated, sandy, and Sand: fine- to medium-grained, subangular grains, iron stained, 5Y7/2 Mica common below 95'	83	136
	Clay: yellowish-gray to white, indurated, becoming sandy at depth, and Sand; fine- to coarse-grained, subangular to subrounded grains, with rare mica and lignite, 5Y8/1	32	168
Miocene Hawthorne Undif. 168	Sand: as above, and Clay; yellowish-gray, sandy, 5Y8/1	10	178
	Clay: grayish-yellow green, soft to indurated, sandy in part, Sand; fine- to very coarse-grained, subangular to rounded, with phosphate grains common, mica rare, 5GY7/2	32	210

	Sand: light gray, coarse- to very coarse-grained, fine-grained at depth, subangular to subrounded grains, with Clay; as above, iron stained at depth, N7-10R8/2	21	231
	Sand: grayish-yellow green, fine- to coarse-grained, subangular to subrounded grains, and Clay; pure and indurated to soft and sandy, becoming white at depth, with mica, 5Y8/1 Rare lignite below 241'	42	273
	Sand: yellowish-gray, fine- to coarse-grained, subangular grains, and Clay; cream-colored, pure, to soft, sandy, with phosphate grains and lignite, 5Y8/1 Mica common below 283' Feldspar present at 304-315'	42	315
	Limestone: very light gray, soft to moderately indurated, sandy, and Sand; fine- to coarse-grained, subangular grains, and Clay; pure, N8	11	326
	Clay: yellowish-gray, soft, sandy in part, and Sand; fine- to coarse-grained, subangular grains, with rare mica, and lignite, phosphate grains, and abundant macroshell fragments, 5Y8/1 Rare shark teeth at 336-378' Dense, sandy, micritic limestone at 378-410'	84	410
	Clay: greenish-gray, soft, slightly calcareous, sandy, with macroshell fragments, and Sand; as above, 5GY6/1	20	430
	Limestone: very light gray, coquina, composed of macroshell fragments, and dense, micritic, sandy limestone, with phosphate grains, N8	30	460
Oligocene Undif. 460	Limestone: yellowish-gray, dense, bioclastic, with abundant echinoid spines and foraminifers, 5Y8/1 *Pararotalia mexicana*, *Cycloloculina* sp.	20	480
	Limestone: yellowish-gray, recrystallized, dense, 5Y8/1 *Nummulites* sp., *Ammonia beccari*, *Cibicides* sp., *Pyrgo* sp., *Quinqueloculina* sp., at 480-490'	10	490
	Limestone: very light gray, micritic to recrystallized, bioclastic, with abundant fragments of bivalves, echinoids, algal nodules, and foraminifers, N8 *Lepidocyclina* sp., *Nodosaria* sp. at 490-510'	20	510
	Sand: light gray, fine- to coarse-grained, angular to rounded grains, with macroshell fragments, including bryozoan and coral remains, and Limestone; as above, N7	30	540
	Limestone: very light gray, dense, recrystallized, with fragments of bivalves, coral and bryozoans common, N8	20	560

T.D. 560

WELL NO: GGS 650 ALTITUDE: 290 ft.
WELL NAME: City of Vidalia #3 TOTAL DEPTH: 808 ft.
COUNTY: Toombs DESCRIBED BY: S. M. Herrick and GGS

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Miocene Undif. 20	Clay: mottled, very sandy, limonitic ----------	20	20
Miocene Altamaha/ Hawthorne Undif. 20		Sand: fine- to coarse-grained, subangular grains, phosphatic, arkosic, with interbedded Clay; pale green, blocky, sandy ----------	260	280
Miocene Hawthorne Undif. 280		Clay: dark brownish-green, tough, laminated, sandy, with interbedded Sand; as above ----------	40	320
		Clay and Sand: as above, with interbedded Limestone; light brownish-gray, dolomitic, saccharoidal, sandy ----------	30	350
		Clay: pale green, tough, sandy, with interbedded Limestone; white, dense, saccharoidal, sandy, phosphatic ----------	30	380
		Sand: coarse-grained, subangular grains, phosphatic, with interbedded Clay and Limestone; as above ----------	40	420
Oligocene Undif. 420	Oligocene Undif. 420	Limestone: light gray, nodular and porous, recrystallized in part, massive to saccharoidal, somewhat sandy, fossiliferous, with macroshell fragments and molds, bryozoan remains, ostracods, and foraminifers, N7 <u>Sphaerogypsina globula</u> and <u>Lepidocyclina</u> sp. at 420 - 430' <u>Pararotalia mexicana</u> common at 440-450' <u>Dictyoconus</u> sp. at 530-540 Miliolids abundant at 620-650' ----------	240	660
U. Eocene Ocala Undif. 660	U. Eocene Ocala 660	Limestone: white, granular becoming cream-colored at depth, massive, saccharoidal, fossiliferous, with abundant echinoid and bryozoan remains, ostracods, and foraminifers <u>Eponides jacksonensis</u> at 660 - 670' <u>Nodosaria latejugata</u> var. at 670 - 680' <u>Asterocyclina</u> sp. at 690 - 700' <u>Lepidocyclina</u> sp., <u>Nummulites ocalana</u>, <u>Pseudophragmina flintensis</u> at 700 - 720' ----------	90	750

M. Eocene Claiborne Undif. 750	M. Eocene Claiborne 750	Limestone: pale green, massive, dense, saccharoidal, very sandy, sparsely phosphatic, fossiliferous, with macroshell molds and impressions, bryozoan remains, and foraminifers, and interbedded Sand; fine- to medium-grained, subangular grains, indurated, sparsely phosphatic, micaceous Nonion advenum, Siphonina claibornensis, Cibicides americanus, Cibicides concentricus, Cibicides pseudoungerianus at 760-770' Macroshells abundant at 780-790' ----------	58	808
T.D. 808	T.D. 808			

WELL NO: GGS 652 ALTITUDE: 231 ft.
WELL NAME: Herbert Jones #1 TOTAL DEPTH: 715 ft.
COUNTY: Toombs DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Miocene Undif. 0	Clay: mottled, sandy, limonitic	41	41
		Clay: pale green with red streaks (somewhat mottled), tough, very sandy, with some Sand; fine-grained, somewhat indurated, finely phosphatic ----------	41	82
		Sand: medium- to coarse-grained, subangular grains, with Clay; as above ----------	20	102
Miocene Hawthorne Undif. 102		Clay: pale green, sandy ----------	61	163
		Kaolin: white, blocky, soft, micaceous, somewhat sandy ----------	20	183
		Clay: pale brownish-gray, very sandy, cherty, interbedded with scattered tongues of Limestone; white, becoming light brown at depth, very sandy, somewhat saccharoidal, phosphatic, fossiliferous, carrying fragments, molds, and impressions of molluscan fossils, and echinoid and bryozoan remains Dark gray chert prominent at 265 - 286' ----------	123	306
		Clay: dark brownish-green, phosphatic, very sandy, interbedded with scattered tongues of Limestone; light brown dolomitic, saccharoidal, very sandy, phosphatic, fossiliferous, carrying molluscan, echinoid, and bryozoan remains ----------	144	450
		Lithology as above: with increased sand and phosphate ---	143	593
		Limestone: light brown, dolomitic, massive, saccharoidal, very sandy, abundantly phosphatic, fossiliferous, with molluscan, echinoid, and bryozan remains, interbedded, at certain levels, with relatively thin stringers of Clay; dark brownish-green, blocky, sandy ----------	122	715
T.D. 715	T.D. 715			

WELL NO: GGS 667 ALTITUDE: 194 ft.
WELL NAME: Toombs Co. Central School TOTAL DEPTH: 885 ft.
COUNTY: Toombs DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: yellowish-gray, medium- to coarse-grained, poorly sorted, Clay; with iron oxide, 5Y8/1	50	50
	Sand: yellowish-gray to light gray, medium-grained, poorly sorted, partially indurated, clayey, silty, with quartz pebbles and iron oxide, 5Y8/1 to N7	290	340
Miocene Hawthorne Undif. 340	Sand: light olive gray, medium-grained, poorly sorted, silty to clayey, calcareous, phosphatic, with macrofossil fragments and sponge spicules, 5Y6/1		
	Sorites sp. at 430-440'	180	520
	Sand: light gray, medium-grained, poorly sorted, phosphatic, with sponge spicules and fragments of pelecypod shells, Limestone; sandy, phosphatic, with fragments of macrofossils, N7	80	600
Oligocene Undif. 600	Limestone: yellowish-gray, bioclastic to sandy, 5Y8/1		
	Pararotalia mexicana at 600-610'		
	Eponides mariannensis at 650-660'	170	770
Upper Eocene Undif. 770	Sand: yellowish-gray, fine-grained, moderately sorted, calcareous, with bryozoa and fossil fragments, 5Y8/1		
	Asterocyclina sp. and Nummulites floridensis at 790-800'	115	885

T.D. 885

WELL NO: GGS 1540 ALTITUDE: 212 ft.
WELL NAME: Billy Lilliott TOTAL DEPTH: 546 ft.
COUNTY: Toombs DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Sand: light brown, fine- to coarse-grained, subangular to subrounded grains, and Clay; soft, sandy, with accessory iron, 5YR6/4	10	10
In Miocene Hawthorne Undif. 10	Sand: very pale orange, fine- to coarse-grained, angular to subrounded grains, with rare mica and lignite, and Clay; white, 10YR8/2	110	120
	Clay: yellowish-gray, soft to indurated, sandy in part, and Sand; fine- to coarse-grained, subangular to rounded grains, with rare mica and lignite, and accessory iron, 5Y8/1	110	230
	Clay: yellowish-gray, slightly calcareous, sandy in part, becoming more indurated at depth, and Sand; as above, with rare phosphate grains, 5Y8/1 Feldspar present below 260' Phosphate common below 310'	160	390
	Limestone: very light gray, soft, friable, very sandy, and Sand; fine- to coarse-grained, subangular to rounded grains, with macroshell fragments and phosphate grains, shell fragments increasing at depth, N8 Dense, sandy limestone at 500-510'	120	510
Oligocene Undif. 510	Limestone: yellowish-gray, dense, biomicritic, with algal nodules, macroshell fragments, and foraminifers, 5Y8/1 Pararotalia mexicana, Lepidocyclina sp., and Pyrgo sp.	20	530
	No samples	16	546

T.D. 546

WELL NO: GGS 1542 ALTITUDE: 230 ft.
WELL NAME: A. B. Cox TOTAL DEPTH: 820 ft.
COUNTY: Toombs DESCRIBED BY: GGS, Previous Investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
Miocene Altamaha 0	Sand: grayish-orange, fine- to coarse-grained, sub-angular to subrounded grains, and Clay; red, sandy, unconsolidated, 10YR7/4	10	10
	Clay: light red, sandy, moderately indurated, 5R6/6	10	20
	Sand: moderate orange pink, fine- to coarse-grained, sub-angular to subrounded grains, and Clay; sandy, iron stained, 10R7/4	70	90
	Clay: yellowish-gray, red, and white, sandy in part, iron stained, and Sand; fine- to coarse-grained, angular to subrounded grains, 5Y7/2 - 5YR7/2	20	110
Miocene Hawthorne Undif. 110	Sand: grayish-orange pink, fine- to coarse-grained, angular to subangular, with rare mica and heavy minerals, 10R8/2	50	160
	Sand: pinkish-gray, fine- to very coarse-grained, angular to subrounded grains, and Clay; white, poorly consolidated, 5YR8/1	10	170
	Sand: yellowish-gray, fine- to medium-grained, angular to subangular, with phosphate grains, 5YR8/1	10	180
	Sand: pinkish-gray, fine- to very coarse-grained, angular to subrounded, and Clay; white, poorly consolidated, and phosphate grains, 5YR8/1	50	230
	Sand: yellowish-gray, fine- to coarse-grained, subangular to rounded grains, and Clay; brown, translucent, cherty, to white, compacted, and rare phosphate grains, 5Y7/2	40	270
	Sand: yellowish-gray, fine- to coarse-grained, subangular to rounded grains, and Clay; gray-green, indurated, and rare mica and lignite, phosphate grains common, 5Y7/2	40	310
	Sand: yellowish-gray, fine- to coarse-grained, subrounded to rounded grains, with phosphate grains common, and Clay; white to gray, rare, 5Y7/2 Mica (rare) at 340 - 350'	90	400
	Sand: light gray, fine- to coarse-grained, subrounded to rounded grains, with phosphate grains, bivalve and echinoid fragments common, N7	30	430
	Sand: grayish-yellow green, fine- to coarse-grained, sub-angular to subrounded grains, with phosphate grains common, and Limestone; micritic, soft, with rare macroshell fragments, and Clay; rare, 5GY7/2	30	460
	Limestone: very light gray, coquina, composed of bivalve fragments, and Sand; fine- to coarse-grained, sub-angular to rounded grains, with phosphate grains common, lignite rare, N8	40	500

	Sand: very light gray, fine- to coarse-grained, angular to subangular grains, with abundant bivalve shell fragments, phosphate grains, N8 Micritic limestone at 530 - 550' ----------	50	550
	Sand: grayish-yellow green, fine- to medium-grained, angular to subrounded grains, and Limestone; micritic, with macroshell fragments, and phosphate grains common, 5GY7/2 ----------	20	570
	Sand: very light gray, fine- to medium-grained, angular to subrounded grains, and Limestone; micritic, with abundant macroshell fragments, and Dolomite; saccharoidal, and phosphate grains, N8 ----------	10	580
	Sand: grayish-yellow green to very light gray, fine- to very coarse-grained, angular to subangular grains, with macroshell fragments and phosphate grains, and Limestone; micritic, dense, sandy, 5GY7/2 - N8 ------	60	640
Oligocene Undif. 640	Limestone: very light gray, bioclastic, with fragments of bivalves and echinoids, algal nodules, and foraminifers, N8 Pararotalia mexicana, Sphaerogypsina sp., Quinqueloculina sp. at 640 - 650' Nummulites sp. at 710 - 720' Lepidocyclina sp. at 790 - 800' ----------	180	820

T.D. 820

WELL NO: GGS 1740 ALTITUDE: 208 ft.
WELL NAME: J. W. Beasley TOTAL DEPTH: 740 ft.
COUNTY: Toombs DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: grayish-orange pink, fine- to very coarse-grained, and Clay; consolidated, 5YR7/2 ----------	30	30
Miocene Hawthorne Undif. 30	Sand: yellowish-gray, fine- to very coarse-grained, subangular to rounded grains, with feldspar, rare mica and lignite, and phosphate grains, and Clay; white to iron stained, some is sandy, 5Y7/2 Chert present at 430-350' ----------	330	360
	Sand: yellowish-gray, fine- to coarse-grained, angular to subrounded grains, with macroshell fragments and phosphate grains common, with Clay; soft, sandy, at top of interval, and at depth, Limestone; soft, micritic, sandy, to recrystallized, saccharoidal, 5Y8/1 White to green clay at 370-410' ----------	230	590

	Limestone: yellowish-gray, coquina, composed of bivalve shell fragments, dense and recrystallized, and Sand; fine- to medium-grained, angular, calcite cemented, with phosphate grains, 5Y8/1 ----------	60	650
	Sand: light greenish-gray, fine- to coarse-grained, sub-angular to rounded grains, with macroshell fragments and phosphate grains common, and Dolomite; finely saccharoidal, phosphatic, sandy, 5GY8/1 ----------	30	680
Oligocene Undif. 680	No samples ----------	50	730
	Limestone: very light gray, dense, recrystallized, bio-clastic, with foraminifers, N8 Pararotalia mexicana, Nummulites sp., Dictyoconus sp. at 730-740' ----------	10	740

T.D. 740

WELL NO: GGS 1754
WELL NAME: H. B. Avant
COUNTY: Toombs
ALTITUDE: 255 ft.
TOTAL DEPTH: 600 ft.
DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: moderate orange pink, fine- to coarse-grained, angular to subrounded grains, and Clay; soft, sandy, becoming more indurated at depth, with rare white clay, 5R8/4 ----------	90	90
	Sand: very pale orange, fine- to coarse-grained, angular to subrounded grains, with rare mica, and Clay; soft to moderately indurated, sandy, 10YR8/2 ----------	10	100
	Sand: very pale orange, fine- to coarse-grained, sub-angular to rounded, feldspathic, and Clay; soft, sandy, 10YR8/2 Mica present at 140-160' ----------	70	170
Miocene Hawthorne Undif. 170	Clay: yellowish-gray, indurated, sandy in part, and Sand; as above, 5Y8/1 ----------	10	180
	Sand: yellowish-gray, fine- to coarse-grained, subangular to rounded grains, with mica, lignite, phosphate grains, and accessory iron, and Clay; soft and sandy to indurated, 5Y8/1 ----------	90	270
	Sand: yellowish-gray, fine- to very coarse-grained, sub-angular to rounded grains, feldspathic, with phosphate grains, lignite and mica, (rare) and Clay; white, sandy, partially indurated, 5Y7/2 ----------	90	360
	Sand: yellowish-gray, fine- to coarse-grained, angular to subrounded grains, with rare mica, and phosphate grains common, and Limestone; micritic, sandy, and soft, to indurated, with rare macroshell fragments, becoming more abundant at depth, and Clay; sandy, calcareous, decreasing at depth, 5Y7/2 ----------	240	600

T.D. 600

WELL NO: GGS 1801 ALTITUDE: 240 ft.
WELL NAME: Edgar Galbreath TOTAL DEPTH: 609 ft.
COUNTY: Toombs DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: moderate orange pink to very pale orange, fine- to coarse-grained, subangular to subrounded, feldspathic, and Clay; soft, sandy, somewhat iron stained, 5YR8/4-10YR8/2	100	100
Miocene Hawthorne Undif. 100	Sand: yellowish-gray, fine- to coarse-grained, subangular to subrounded grains, with rare mica, and Clay; soft, sandy, somewhat indurated, 5Y8/1 Rare phosphate grains below 160'	90	190
	Sand: yellowish-gray, fine- to coarse-grained, subangular to subrounded grains, feldspathic, with rare bivalve shell fragments, and Clay; soft, sandy, 5Y8/1 Rare mica at 230-260'	70	260
	Clay: yellowish-gray, soft to indurated, calcareous, sandy and Sand; as above, 5Y8/1 Rare phosphate grains at 270-290'	30	290
	Clay: light greenish-gray, indurated, and Sand; fine- to medium-grained, subangular, with rare mica, phosphate grains, and lignite, 5GY8/1 Macroshell fragments common 300-340'	50	340
	Sand: light greenish-gray, fine- to medium-grained, subangular, feldspathic, and Clay; as above, with rare mica and macroshell fragments, abundant phosphate grains, 5GY8/1	10	350
	Limestone: light greenish-gray, coquina, composed of bivalve fragments and sandy micritic limestone, and Sand; fine- to coarse-grained, subangular to subrounded grains, and Clay; green, and phosphate grains, 5GY8/1	40	390
	Clay: light greenish-gray, slightly calcareous, with phosphate grains, lignite, and macroshell fragments, and Limestone; soft, micritic, sandy, and Sand; as above, 5GY8/1	20	410
	Clay and Limestone: clay is soft, calcareous and sandy, limestone is soft, micritic, sandy, and Sand; fine- to coarse-grained, subangular, with phosphate grains, 5GY8/1	40	450
	Limestone: light greenish-gray, coquina, composed of bivalve fragments and sandy micritic limestone, and Sand; fine- to medium-grained, subangular, 5GY8/1	50	500

Oligocene Undif. 500	Limestone: pinkish-gray, dense, biomicritic, recrystallized, with fragments of bryozoans, echinoids, ostracods, bivalves and foraminifers, 5YR8/1 Pararotalia mexicana, Amphistegina sp., Dictyoconus sp., Sphaerogypsina sp., Pyrgo sp., Quinqueloculina sp. at 500-570' Lepidocyclina sp. at 510-570' Cibicides sp. Lenticulina sp. at 570-609' ----------	109	609

T.D. 609

WELL NO: GGS 1802
WELL NAME: C. J. Spell
COUNTY: Toombs
ALTITUDE: 188 ft.
TOTAL DEPTH: 750 ft.
DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples ----------	10	10
In Miocene Altamaha 10	Sand: grayish-orange, medium- to coarse-grained, subangular to subrounded grains, and Clay; very sandy, somewhat iron stained, 10YR7/4 ----------	20	30
	Clay: very light gray, friable, sandy, and Sand; fine- to coarse-grained, angular to subrounded, N8 ----------	10	40
	Clay: grayish-orange, indurated, sandy, and Sand; fine- to coarse-grained, angular to subrounded grains, 10YR7/4 ----------	30	70
	Clay; yellowish-gray, friable to indurated, sandy in part, iron stained, 5Y8/1 ----------	10	80
	Sand: yellowish-gray, fine- to very coarse-grained, subangular to rounded grains, and Clay; friable, very sandy, 5Y8/1 ----------	10	90
Miocene Hawthorne Undif. 90	Sand: very pale orange, fine- to medium-grained, subangular to rounded grains, and Clay; friable, very sandy, 5Y8/1 ----------	50	140
	Clay: yellowish-gray friable to compacted, sandy in part, and Sand; fine- to coarse-grained, angular to subrounded, with phosphate grains, 5Y8/1 ----------	60	200
	Sand: yellowish-gray, fine- to medium-grained, subangular to subrounded, with phosphate grains common, mica rare, and Clay; brown, indurated, at depth, 5Y7/2 ----------	50	250
	Clay: grayish-yellow green, soft and friable, sandy and micaceous, to white, pure, and Sand; as above, 5GY7/2 ----------	60	310

	Sand: grayish-yellow green, fine- to very coarse-grained, subrounded to rounded, with phosphate grains common, Clay; pure to sandy, 5GY7/2		
	Rare macroshell fragments at 380-390' ----------	80	390
	Clay: indurated, calcareous, sandy in part, and Sand; fine- to coarse-grained, subangular to subrounded, with phosphate grains common, mica rare, 5Y7/2 -------	10	400
	Sand: yellowish-gray, fine- to very coarse-grained, subangular to rounded grains, with macroshell fragments and phosphate grains common, mica rare, and Limestone; micritic, sandy in part, and Clay; calcareous, 5Y8/1 ----------	230	630
Oligocene	Lithology as above: with foraminifers		
Undif.	Pararotalia mexicana at 630-640' ----------	30	660
630	Limestone: very light gray, biomicritic, with fragments of macroshells, bryozoans, echinoids and foraminifers, N8 ----------	90	750

T.D. 750

WELL NO: GGS 336 ALTITUDE: 180 ft.
WELL NAME: Jordan Heirs #1 TOTAL DEPTH: 3997 ft.
COUNTY: Wheeler DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene	Sand: grayish-orange pink, very fine- to very coarse-grained, angular grains, feldspathic, with heavy		
Hawthorne	minerals and muscovite, 5YR7/2 ----------	40	40
Undif.	Sand: yellowish-gray to light gray, very fine- to coarse-grained, subangular grains, with heavy minerals,		
0	muscovite, and phosphate grains, and Claystone; white to yellowish-green, sandy in part, phosphatic, spiculitic, with shell impressions, 5Y8/1 ----------	60	100
	Sand: light gray to yellowish-gray, medium-grained, angular to subangular, with heavy minerals, and Claystone; as above, N8 to 5Y8/1 ----------	30	130
	Sand: light gray to yellowish-gray, fine- to coarse-grained, angular grains, slightly phosphatic, with traces of heavy minerals, and Claystone; white to yellowish-green, slightly calcareous, slightly phosphatic, micaceous in part, with diatom impressions, N8 to 5Y8/1 ----------	160	290
	Sand: yellowish-gray to light greenish-gray, very fine- to medium-grained, subangular grains, indurated, with calcareous clay cement, phosphatic, with muscovite, heavy minerals, and macroshell fragments, and Clay; light green, indurated, phosphatic, calcareous, micaceous, 5Y7/1 to 5GY7/1 ----------	70	360

Oligocene Undif. 360	Limestone: yellowish-gray, granular, dense to slightly porous, fossiliferous, with molds and fragments of gastropods, echinoids, and macroshells, and foraminifers, and Sand; fine- to medium-grained, caved(?), 5Y7/2 Pararotalia mexicana(?), Elphidium sp. at 360 -370' Lepidocyclina sp. at 370 - 380' Asterigerina subacuta at 390 - 400' ----------	40	400
	Limestone: very light gray, dense, granular to micritic, slightly sandy, slightly argillaceous, very fossiliferous, with fragments and molds of bryozoans, algae, echinoids, crabs, and macroshells, and foraminifers, N8 Lepidocyclina sp., Discorinopsis sp., and Sphaerogypsina globula at 420 - 430' ----------	50	450
	Limestone: very pale brownish-orange, porous, microcoquina, recrystallized, with many small foraminifers, 10YR7/2 Discorbis sp. and Cibicides sp. at 450-460' ---------	30	480
U. Eocene Ocala Undif 480	Limestone: very light olive-gray to very pale brownish-orange, porous, bioclastic, with abundant bryozoans, trace of sand, 5Y7/1 to 10YR7/2 Nummulites floridensis, Lenticulina sp., Reussella sp., Textularia sp. at 480 - 490' Siphonina sp., Bolivina sp., Discorbis sp., Angulogerina sp., Cassidulina sp., Nonion advenum at 490 - 500' Buliminella sp. at 500-510' Dentalina sp. at 510 - 520' Globorotalia increbescens at 520 - 530' ----------	90	570
	Limestone: yellowish-gray to very pale orange, bioclastic, slightly micritic, abundantly fossiliferous, with fragments of echinoids, bryozoans, gastropods, and larger foraminifers, 5Y8/1 to 10YR8/2 Asterocyclina sp., at 570-580' Nummulites sp., Cibicides mississippiensis, Lenticulina sp., Lepidocyclina pustulosa, Nodosaria sp. at 620 - 630' Globigerina eoceana, Globorotalia increbescens, Nonionella sp., Lenticulina cf. inusitatus at 630 - 640' Cibicides sp., Planulina sp., Cibicides cf. blanpiedi, Uvigerina cf. glabrans, Lenticulina sp. at 640 - 650' Bulimina cf. sculptilis, Baggina sp. at 650 - 660' Reussella cf. moodyensis, Buliminella sp. at 670 - 680' ----------	120	690
	Limestone: very pale orange to yellowish-gray, granular, bioclastic, with abundant foraminifers, sparsely glauconitic and pyritic, and Dolomite; light olive-brown, very finely sucrosic, pyritic, glauconitic, and Sand; very fine- to fine-grained, angular grains, with trace of muscovite, 10YR8/2 to 5Y8/1 Cibicides americanus, Discocyclina sp. (?) at 730 - 740' Globigerina cf. ouachitaensis at 760 - 770' ---------	170	860

M. Eocene Undif. 860	Sand: light gray, becoming light greenish-gray at depth, very fine- to coarse-grained, subangular grains, and Limestone; granular, pyritic, glauconitic, fossiliferous, with sparse macroshells, and foraminifers, and Dolomite; sandy, glauconitic, N7 to 5GY7/1 Anomalina cf. bilateralis, Globorotalia sp. at 860 - 870' Frondicularia sp. at 860 - 870' ----------	70	930
	Limestone: light gray, chalky, granular, with poorly preserved foraminifers, and Sand; as above, and Dolomite; sandy, glauconitic, and Chert; yellow to amber, at certain levels, N7 to N8 Mississippina sp. at 930 - 940' ----------	50	980
	Sand: light gray, becoming light greenish-gray at depth, very fine- to coarse-grained, subrounded grains, and Limestone; dense, slightly glauconitic, sandy, with granular pyrite and glauconite, and Chert; reddish, sparse, N8 to 5GY7/1 Discorinopsis sp. at 980 - 990' Gyroidina sp. at 1020 - 1030' ----------	70	1050
	Limestone: yellowish-gray to light greenish-gray, dense, argillaceous, sandy to very sandy, glauconitic, and Clay; grayish-green, indurated, fissile, 5Y7/1 to 5GY7/1 ----------	50	1100
	Siltstone: yellowish-gray (greenish- to bluish-gray at certain levels) calcareous, shaley, and Limestone; dense, argillaceous, glauconitic, fossiliferous, with poorly preserved foraminifers, 5Y8/1 ----------	40	1140
	Sand: yellowish-gray to light greenish-gray, very fine- to medium-grained, with granular glauconite, heavy minerals, sparse pyrite, and Limestone; as above, and Chert; tan, at certain levels, 5Y8/1 to 5GY7/1 Acarinina cf. primativa at 1250 - 1260' Floralis sp. and ostracods at 1260 - 1270' Subbotina cf. triloculinoides at 1290 - 1300 --------	180	1320
L. Eocene/ Paleocene Undif. 1320	Siltstone and Limestone: dark greenish-gray, interbedded, siltstone is calcareous, glauconitic, slightly micaceous, limestone is dense, pyritic, glauconitic, fossiliferous, with poorly preserved foraminifers, 5G5/1 to 5GY5/1 Globigerina cf. velascoensis, Morozovella cf. subbotinae at 1320 - 1330' Alabamina wilcoxensis at 1390-1400' ----------	130	1450
	Sand: light gray to greenish-gray at depth, very fine- to very coarse-grained, moderately sorted, angular grains, with sparse heavy minerals and pyrite, granular glauconite, and muscovite at certain levels, and Siltstone; as above, N7 to 5GY6/1 ----------	170	1620
	Sand: greenish-gray, very fine- to fine-grained, well sorted, angular grains, indurated, 5GY6/1 ----------	40	1660

	Sand: greenish-gray, very fine- to very coarse-grained, moderately sorted, angular grains, with sparse heavy minerals, and granular glauconite, and Siltstone; as above, 5G6/1		
	Macroshell fragments at 1730-1750'	100	1760
	Sand: very light gray, very fine- to coarse-grained, angular grains, and Limestone; white, crystalline, finely glauconitic, N8	20	1780
Cretaceous Undif. 1780	Sand: greenish-gray to very light gray, very fine- to fine-grained, well sorted, angular grains, with muscovite and heavy minerals, 5GY6/1 to N8		
	Anomalina pseudopapillosa at 1780-1790'	360	2140
	Sand: yellowish-gray, medium-grained, poorly sorted, partially indurated, calcareous, glauconitic, with muscovite, 5Y8/1	40	2180
	No samples	100	2280
	Sand: light olive gray to medium light gray, fine- to very coarse-grained, poorly sorted, calcareous, phosphate grains and phosphate replaced macrofossils, with feldspar and mica, traces of lignite, Silt; clayey, micaceous, 5Y6/1 to N6	190	2470
	Sand: olive gray to light olive gray, medium- to very coarse-grained, poorly sorted, calcareous, phosphatic, with glauconite and lignite, feldspar, Silt; clayey, sandy, micaceous, 5Y4/1 to 5Y6/1	240	2710
	Sand: light olive gray, medium- to coarse-grained, poorly sorted, calcareous, partially indurated, with phosphate and traces of glauconite and pyrite, Silt; clayey, micaceous, 5Y6/1	280	2990
	No samples	40	3030
	Same lithology as in 2710-2990'	90	3120
	Sand: yellowish-gray to light brown, coarse- to very coarse-grained, poorly sorted, feldspathic, slightly calcareous, with phosphate, traces of pyrite and pyroxene(?), Silt; clayey, micaceous, with traces of lignite, 5Y8/1 to 5YR6/4	660	3780
Triassic(?) Undif. 3780	Sand: pale yellowish-brown to pale brown, medium- to very coarse-grained, poorly sorted, with glauconite, Siltstone; very micaceous, calcareous, Quartzite; medium-grained, crystalline, with pyroxene(?), 10YR6/1 to 5YR5/2	217	3997
T.D. 3997			

WELL NO: GGS 340 ALTITUDE: 235 ft.
WELL NAME: Stewart #1 TOTAL DEPTH: 340 ft.
COUNTY: Wheeler DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
		No samples	100	100
In Miocene Altamaha 100	In Miocene Hawthorne 100	Sand: fine- to coarse-grained, with white feldspar(?) and Clay; pale green to mottled, sandy	40	140
Miocene Hawthorne Undif. 140		Sand: fine- to medium-grained, and Clay; pale green, sandy, and Limestone; white, sandy	20	160
		Clay: light gray to purple, mottled, sandy, and Limestone; as above, with rare macroshell fragments	30	190
		Sand: fine- to medium-grained, with rare macroshell fragments and phosphate grains	70	260
		Limestone: dense, dolomitic, very sandy, with abundant macroshell fragments (coquina)	10	270
		Sand: fine- to medium-grained, calcareous, with abundant macroshell fragments	25	295
Oligocene Undif. 295	Oligocene Suwannee 295	Limestone: nodular, recrystallized, dense, fossiliferous, becoming softer and more porous at depth Pararotalia bryamensis at 295-310' Asterigerina subacuta 300-310'	45	340

T.D. 340 T.S. 340

WELL NO: GGS 3080 ALTITUDE: 172 ft.
WELL NAME: Southern Natural Gas Co. Towns #1 TOTAL DEPTH: 4063 ft.
DESCRIBED BY: GGS
COUNTY: Wheeler

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples	60	60
In Miocene Undif. 60	Sand: yellowish-gray to very pale orange, medium- to coarse-grained, poorly sorted, slightly clayey, sparsely calcareous, with heavy minerals and phosphate, with macrofossil fragments, Clay; sandy, silty, nodular, 5Y8/1 to 10YR8/2	150	210
	Sand: yellowish-gray, coarse-grained, poorly sorted, clayey, with phosphate, Limestone; sandy, 5Y8/1	50	260

Oligocene Undif. 260	Limestone: yellowish-gray, fine-grained, with bryozoa and Lepidocyclina sp., Sand; medium- to fine-grained, moderately to poorly sorted, 5Y7/2 Pararotalia mexicana at 350-360' ----------	150	410
Upper Eocene Undif. 410	Limestone: yellowish-gray, fine-grained, with bryozoa and and trace of glauconite, 5Y8/1 Asterocyclina sp. at 530-540' Nummulites floridensis at 550-540' ----------	320	730
Middle Eocene Claiborne Undif. 730	Limestone: yellowish-gray, sandy, fine-grained, dolomitic, with heavy minerals, Sand; medium-grained, moderately sorted, 5Y8/1 ----------	190	920
	Limestone: light gray, sandy, abundant fine-grained heavy minerals, with glauconite and chert, N7 ----------	110	1030
	Limestone: yellowish-gray, glauconitic, with abundant oyster shell fragments, 5Y8/1 ----------	60	1090
Middle Eocene Claiborne Tallahatta 1090	Sand: very light gray, to greenish-gray, medium-grained, moderately sorted, very glauconitic, N8 to 5GY6/1 Globigerina frontosa, Acarinina spinuloinflata, and Morozovella aragonensis at 1140-1150' ----------	140	1230
	No samples ----------	40	1270
In Lower Eocene/ Paleocene Undif. 1270	Silt: olive-gray, clayey, calcareous, with phosphate, 5Y4/1 Morozovella acuta (small) throughout ----------	20	1290
	No samples ----------	10	1300
	Limestone: medium light gray, sandy, glauconitic, with phosphate and trace of pyrite, Sand; medium-grained, moderately sorted, Silt; clayey, calcareous, N6 -----	250	1550
	Sand: medium light gray to light olive gray, medium- to fine-grained moderately to poorly sorted, phosphatic, glauconitic, with traces of pyrite, Silt; clayey, calcareous, Limestone; sandy, glauconitic, N6 to 5Y4/1 ----------	240	1790
	No samples ----------	30	1820
	Lithology same as for 1550-1790' ----------	45	1865
Cretaceous Undif. 1865	Sand: light gray to medium gray, medium-grained, moderately sorted, micaceous, phosphatic, Silt; clayey, sandy, calcareous, N7 to N5 ----------	95	1960
	No samples ----------	20	1980

	Limestone: medium gray, sandy, with phosphate and oyster shell fragments, Silt; clayey, calcareous, N5 -------	30	2010
	Silt: olive gray, clayey, fissile, calcareous, phosphatic, 5Y4/1 ----------	130	2140
	No samples ----------	30	2170
	Same lithology as for 2010-2140' ----------	120	2290
	Silt: medium light gray, clayey, sandy, with heavy minerals and glauconite, lignitic, micaceous, N6 Globigerinelloides sp. at 2380-2410' ----------	120	2410
	Description in GGS files ----------	1665	4075

T.D. 4075

WELL NO: GGS 3084 ALTITUDE: 161 ft.
WELL NAME: Southern Natural Gas Co. McRae #1 TOTAL DEPTH: 3642 ft.
COUNTY: Wheeler DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples ----------	50	50
In Miocene Undif. 50	Sand: very light gray to yellowish-gray, very coarse-grained, moderately sorted, calcareous, N8 to 5Y8/1 ----------	70	120
	Clay: yellowish-gray, sandy, 5Y8/1 ----------	50	170
	Limestone: yellowish-gray, sandy, contains numerous fragments of macrofossils, 5Y8/1 ----------	30	200
	Clay: yellowish-gray, sandy, calcareous, 5Y8/1 ----------	30	230
	Limestone: yellowish-gray, crystalline, sandy, with phosphate, numerous fragments of macrofossils, 5Y8/1 ----------	20	250
Oligocene/ Upper Eocene Undif. 250	Limestone: light olive gray, granular, with chert, bryozoa, 5Y6/1 ----------	40	290
	Clay: light olive gray, micaceous, calcareous, 5Y6/1 ----	45	335
	Limestone: yellowish-gray, sandy, with bryozoa, 5Y8/1 Lepidocyclina sp. throughout ----------	85	420
	No samples ----------	10	430
	Sand: yellowish-gray, coarse- to very coarse-grained, moderately sorted, clayey, Limestone; sandy, Clay; sandy, 5Y8/1 ----------	65	495
	Limestone: yellowish-gray, sandy, with chert, 5Y8/1 ----	20	515
	Claystone: light olive gray, silty, sandy, calcareous, 5Y6/1 ----------	55	570

	Limestone: yellowish-gray, bioclastic, with phosphate, Dolomite; 5Y8/1		
	Asterocyclina sp. at 570-580'	130	700
Middle Eocene	Sand: light gray, coarse- to very coarse-grained, calcareous, with glauconite, Limestone; sandy, glauconitic,		
Claiborne	dolomitic, with very fine-grained pyrite, N7	90	790
Undif.	Limestone: light gray, fine-grained, with glauconite and		
700	fine-grained pyrite, N7	170	960
	No samples	10	970
	Limestone: same lithology as for 700 to 790'	80	1050
	Limestone: light gray, fine-grained, with chert and glauconite, N7	60	1110
	No samples	10	1120
	Limestone: same lithology as for 1050 to 1110'	55	1175
	Sand: light gray, coarse-grained, moderate- to well-sorted, calcareous, glauconitic, N7		
	Cibicides westi at 1220-1230'	65	1240
Lower Eocene/	Sand: light gray, medium- to coarse-grained, well to moderately sorted, calcareous, glauconitic, with		
Paleocene	abundant macrofossil fragments, N7	170	1410
Undif.	Limestone: very light gray, fine-grained, argillaceous, soft, with chert and pyrite, Sand; very coarse-		
1240	grained, poorly sorted, angular, N8	40	1450
	Limestone: light olive gray, sandy, cherty, pyritic, Sand; medium- to coarse-grained, poorly sorted,		
	pyritic, cherty, 5Y6/1	50	1500
	Limestone: light olive gray, sandy, cherty, pyritic, Sand; medium- to coarse-grained, silty, with pyrite		
	and chert, 5Y6/1	60	1560
	No samples	30	1590
	Sand: olive gray, fine-grained, poorly sorted, silty, clayey, pyritic, calcareous, micaceous, glauconitic,		
	5Y4/1	30	1620
	No samples	30	1650
	Lithology as in 1590-1620'	205	1855
Cretaceous	Sand: olive gray, fine-grained, poorly sorted, calcareous, clayey, silty, micaceous, glauconitic, with phosphate,		
Undif.	5Y4/1		
1855	Globigerinelloides sp. at 1900-1910'	185	2040
	Silt: light olive gray, clayey, micaceous, sandy, calcareous, Sand; phosphatic, medium- to coarse-grained,		
	poorly sorted, glauconitic, 5Y6/1	130	2170
	No samples	20	2190
	Same lithology as for 2040-2170'	20	2210
	Sand: light olive gray, medium- to coarse-grained, poorly sorted, calcareous, glauconitic, Silt; clayey,		
	lignitic, calcareous, micaceous, 5Y6/1	60	2270
	No samples	10	2280

	Sand: light gray, fine- to coarse-grained, poorly sorted, pyritic, glauconitic, with phosphate, Silt; clayey, micaceous, calcareous, N7	10	2290
	No samples	10	2300
	Sand: light olive gray, medium- to coarse-grained, poorly sorted, micaceous, calcareous, feldspathic, with traces of lignite and glauconite, 5Y6/1	380	2680
	Clay: medium gray, silty, micaceous, sandy, Sand; medium- to coarse-grained, silty, feldspathic, calcareous, N5	30	2710
	Sand: medium light gray, medium- to coarse-grained, poorly sorted, calcareous, with phosphate, Clay; fissile, silty, micaceous, N6	30	2740
	Silt: medium gray to medium light gray, fissile, clayey, sandy, micaceous, calcareous, Sand; medium- to coarse-grained, poorly sorted, with traces of phosphate and lignite, N5 to N6	220	2960
	Sand: light olive gray, medium- to very coarse-grained, feldspathic, micaceous, calcareous, clayey, 5Y6/1	50	3010
	Sandstone: grayish-orange pink to pale yellowish-brown, medium- to coarse-grained, poorly sorted, friable, calcareous, micaceous, with heavy minerals and trace of glauconite, 5YR7/2 to 10YR6/2	290	3300
	Sand: grayish-orange pink, very coarse-grained, poorly sorted, calcareous, feldspathic, partially indurated, with pyroxene (?), traces of talc, and pyritized lignite, 5YR7/2	100	3400
	No samples	10	3410
In Triassic(?) Undif. 3410	Silt: pale brown to pale reddish-brown, clayey, sandy, very micaceous, calcareous, Sand; medium- to very coarse-grained, poorly sorted, with feldspar, 5YR5/2 to 10R5/4	232	3642

T.D. 3642

WELL NO: GGS 420 ALTITUDE: 355 ft.
WELL NAME: C. E. Buck Farm #1 TOTAL DEPTH: 180 ft.
COUNTY: Worth DESCRIBED BY: S. M. Herrick

SUMMARY:

THIS REPORT	HERRICK	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Miocene Undif. 0	Sand: fine- to medium-grained, argillaceous, carbonaceous	6	6
		Clay: tan, very sandy, limonitic, argillaceous, and Sand; fine- to coarse-grained, limonitic, and, at depth, Clay; pale green, sandy, and Limestone; residual, leached	39	45
		Clay: pale green, very sandy	15	60
		Clay: as above, and light gray, with Limestone; white, dense, sandy, rare	5	65
Oligocene Undif. 65	Oligocene Suwannee 65	Clay: as above, and Limestone; dense, somewhat sandy	5	70
		Limestone: dense, sandy, and nodular, recrystallized, fossiliferous Pararotalia bryamensis common at 70-75' Chert present at 75-96' Lepidocyclina sp. and Argyrotheca sp. at 135-155'	110	180
T.D. 180	T.D. 180			

WELL NO: GGS 1231 ALTITUDE: 425 ft.
WELL NAME: W. J. Pate TOTAL DEPTH: 460 ft.
COUNTY: Worth DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined	100	100
In Miocene Hawthorne Undif. 100	Sand: medium- to coarse-grained, and Dolomite; microcrystalline	20	120
	Sand: indurated, in calcareous argillaceous matrix, with sparse mica	10	130
	Sand: fine- to coarse-grained, and Clay; sandy, with Limestone; sandy, at depth	50	180
	Limestone: bioclastic, sandy, with smaller foraminifers	10	190

Oligocene Undif. 190	Limestone: white, bioclastic, recrystallized Pararotalia mexicana at 240-250' Nummulites panamensis, Nummulites sp. at 270-280' ---	105	295
	Limestone: as above, dolomitic, bioclastic, with bryozoans and larger foraminifers Lepidocyclina sp. at 295-315' Macroshell fragments abundant at 410-420' Chert present at 420-460' ----------	165	460

T.D. 460

WELL NO: GGS 1235 ALTITUDE: 350 ft.
WELL NAME: Houste TOTAL DEPTH: 300 ft.
COUNTY: Worth DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	No samples ----------	3	3
In Miocene Hawthorne Undif. 3	Clay: red, and Sand; fine- to medium-grained, subangular to subrounded grains ----------	41	44
	Clay: red to gray, calcareous, and Sand; fine-grained ---	23	67
	Sand: grayish-pink, calcareous ----------	4	71
	Clay: gray, calcareous, sandy ----------	25	96
	Limestone: gray, sandy, and Sand; fine- to medium-grained ----------	75	171
	Limestone: brownish-gray, and Clay; greenish-gray indurated ----------	18	189
	Limestone: light gray, sandy, and Clay; as above --------	36	225
Oligocene Undif. 225	Limestone: light gray, with bryozoan remains ----------	75	300

T.D. 300

WELL NO: GGS 1238 ALTITUDE: 372 ft.
WELL NAME: Irvin Lawhorne TOTAL DEPTH: 240 ft.
COUNTY: Worth DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Clay: grayish-orange, sandy, and Sand; fine- to medium-grained, subrounded grains, and Limestone, 10YR7/4	10	10
	Clay: grayish-orange to very light gray, mottled, indurated, calcareous, 10YR7/4 - N8	10	20
	Clay: light gray, slightly calcareous, silty, and Sand; medium-grained, subrounded grains, N7	10	30
	Sand: very light gray to grayish-orange, argillaceous, N8 - 10YR7/4	10	40
	Clay: very light gray, indurated, silty, N8	10	50
	Sand: medium gray, calcareous, and Limestone; white, N5-N8	10	60
	Clay: very light gray, calcareous, silty, becoming sandy at depth, N8	60	120
	Limestone: white, sandy, and Sand; fine- to medium-grained, subangular to subrounded, N8	20	140
	Sand: very light gray, argillaceous, N8	20	160
	Sand: yellowish-gray, slightly calcareous, 5Y8/1	10	170
	Sand: very coarse-grained, angular to subrounded	10	180
	Sand: fine-grained, argillaceous, and Limestone; white, increasing at depth, and Clay; green	40	220
	No samples	20	240

T.D. 240

WELL NO: GGS 1265 ALTITUDE: 407 ft.
WELL NAME: Fred Brown TOTAL DEPTH: 250 ft.
COUNTY: Worth DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Hawthorne Undif. 0	Clay: dark reddish-brown to very light gray, mottled, sandy, limonitic, 10R3/4 to N8	40	40
	Clay: yellowish-gray to grayish-orange, silty, limonitic, 5Y7/2 to 10YR7/4	40	80
	Chert: weathered, and Limestone; white, sandy, N9	6	86
	Chert: dark yellowish-orange, to white, and Sand; calcareous, micaceous, 10YR6 to N9	4	90
	Sand: clear, fine-grained, micaceous, and Chert; weathered, variously calcareous and argillaceous	40	130
	Clay and Sand: pale red to pale reddish-brown, calcareous, and Limestone; white, and Chert; weathered, 10R6/2 to 10R5/4	90	220
	Limestone: white, sandy, fossiliferous, with macroshell fragments and bryozoan remains, N9	15	235
Oligocene Undif. 235	Limestone: argillaceous, fossiliferous, with large disc-shaped foraminifers	15	250

T.D. 250

WELL NO: GGS 1405 ALTITUDE: 372 ft.
WELL NAME: City of Sumner TOTAL DEPTH: 405 ft.
COUNTY: Worth DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: dark yellowish-orange, fine- to coarse-grained, subrounded grains, in clay matrix, with some iron cemented aggregates, sparse feldspar, 10YR6/6	40	40
Miocene Hawthorne Undif. 40	Clay: grayish-orange, hackly, sandy, micaceous, and Sand; minor amount, 10YR7/4	40	80
	Limestone: white to very light gray, argillaceous to sandy, and Sand; fine- to medium-grained, with rare feldspar, N8 to N9	105	185
	Limestone: white, sandy, fossiliferous, with macroshell fragments and echinoid spines, N9	20	205

	Sand: coarse-grained, subrounded, and Limestone; bio-		
Oligocene	clastic, recrystallized, with echinoids		
Undif.	Lepidocyclina sp. ----------	40	245
240	Limestone: nodular, bioclastic, recrystallized, rarely cherty		
	Pararotalia mexicana, Globigerina sp. at 260-320' ---	160	405

T.D. 405

WELL NO: GGS 1762 ALTITUDE: 340 ft.
WELL NAME: Grady Tompkins TOTAL DEPTH: 440 ft.
COUNTY: Worth DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICK-NESS IN FEET	DEPTH IN FEET
	Not examined ----------	150	150
In Miocene Hawthorne Undif. 150	Clay: very light gray to light olive-gray, sandy, and Sand; fine- to very coarse-grained, subangular to subrounded grains, and Limestone; soft, micritic, rare, N8 to 5Y6/1 ----------	30	180
	Clay: yellowish-gray, soft, becoming more indurated at depth, sandy, and Sand; fine- to very coarse-grained, subangular grains, and Dolomite; microcrystalline, 5Y8/1 ----------	40	220
	Clay: greenish-brown to yellowish-gray, sandy in part, and Limestone; micritic, with rare lignite, 5GY7/2 ----------	20	240
	Clay: yellowish-gray, calcareous, pure to sandy, 5Y7/2 ----------	30	270
	Clay: grayish-yellow-green, soft, sandy, and Sand; fine- to coarse-grained, subangular to subrounded grains, micaceous, lignitic, and Limestone; micritic, rare, 5GY7/2 ----------	10	280
	Limestone: light greenish-gray, sandy, 5GY8/1 ----------	10	290
	Clay: grayish-yellow-green, pure to calcareous and sandy, and Limestone; micritic, sandy, and Sand; fine- to very coarse-grained, subangular to subrounded, micaceous, lignitic, 5GY7/2 to 5GY8/1 ----------	40	330
	Clay: light greenish-gray, calcareous, sandy, and Lime-stone; white, micritic, and Sand; fine- to coarse-grained, subangular to subrounded grains, micaceous 5GY8/1 ----------	50	380
	Clay: greenish-gray, pure, indurated, and Sand; coarse-grained, subangular to subrounded grains, and Dolomite; microcrystalline, 5GY6/1 ----------	10	390

	Sand: grayish-yellow-green, fine- to very coarse-grained, subangular to rounded grains, with macroshell fragments, and Limestone; micritic, sandy, and Clay; calcareous, with mica and pyrite, 5GY7/2 ----------	10	400
	Limestone: yellowish-gray, bioclastic, recrystallized, sandy in part, bivalve impressions and fragments are abundant, 5Y8/1 ----------	10	410
Oligocene Undif. 410	Limestone: very light gray, bioclastic, recrystallized, with fragments of bivalves, gastropods, echinoids, ostracods, and foraminifers, N8 Pararotalia mexicana at 410-420' Lepidocyclina sp. at 420-430' ----------	20	430
	No samples ----------	10	440

T.D. 440

WELL NO: GGS 1939 ALTITUDE: 360 ft.
WELL NAME: C. A. Tompkins TOTAL DEPTH: 620 ft.
COUNTY: Worth DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Sand: pale reddish-brown to pale red, fine- to coarse-grained, with rare feldspar, 10R5/4 to 10R6/2 -------	20	20
	Sand: yellowish-gray, coarse- to very coarse-grained, angular to subangular grains, in clay matrix, 5Y7/2 ----------	20	40
Miocene Hawthorne Undif. 40	Sand: light brown to yellowish-gray, fine- to medium-grained, in clay matrix, 5YR6/4 to 5Y7/2 ----------	30	70
	Clay: pale olive, very sandy, and Sand; fine-grained, in clay matrix, 10Y6/2 ----------	10	80
	Sand: yellowish-gray, fine-grained, sparsely micaceous, argillaceous, 5Y8/4 ----------	10	90
	Clay: yellowish-gray, sandy, 5Y7/2 ----------	20	110
	Sand: yellowish-gray, coarse-grained, subrounded grains, and Clay; sandy, 5Y7/2 ----------	20	130
	Sand: yellowish-gray, fine-grained, sparsely micaceous, and Clay; hackly, sandy, 5Y7/2 ----------	30	160
	Sand: yellowish-gray, fine- to very coarse-grained, and Clay; unconsolidated, 5Y7/2 ----------	50	210
	Sand: medium- to coarse-grained, and Clay; dark, hackly, to waxy, and Limestone; micritic, sandy, and phosphate grains ----------	10	220

	Clay: yellowish-gray, calcareous, sandy, and Sand; fine- to coarse-grained, with clay matrix, 5Y7/2 ----------	50	270
	Clay: hackly and pure, to sandy, and Sand; poorly sorted ----------	10	280
	Sand: fine-grained, and Clay; hackly, sandy, sparsely micaceous, with rare fish teeth, and phosphate grains ----------	30	310
	Clay: light olive-gray to medium gray, hackly, slightly sandy, 5Y6/1 to N5 ----------	20	330
	Sand and Clay: sand is coarse- to very coarse-grained, clay is hackly, slightly sandy, 5Y7/2----------	30	360
Oligocene Undif. 360	Limestone: gray, argillaceous, and Clay; gray to green, N7 to N8		
	Lepidocyclina sp. at 360-370'		
	Nummulites sp. common below 380' ----------	100	460
	Dolomite: tan, saccharoidal, and Limestone; as above, 10YR7/4 ----------	70	530
	Limestone: yellowish-gray, micritic to dolomitic, 5Y8/1		
	Nummulites sp. common below 530-540' ----------	10	540
	Limestone: yellowish-gray, granular, sparsely glauconitic, fossiliferous, with fragments of macroshells, and foraminifers, 5Y8/1		
	Lepidocyclina sp., Nummulites sp. at 540-570' -------	30	570
	Limestone: yellowish-gray, finely recrystallized, and Dolomite; finely crystalline, at depth ----------	50	620

T.D. 620

WELL NO: GGS 1999
WELL NAME: R. R. Pope
COUNTY: Worth
ALTITUDE: 370 ft.
TOTAL DEPTH: 610 ft.
DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
	Not examined ----------	240	240
In Miocene Hawthorne Undif. 240	Sand: yellowish-gray, fine- to medium-grained, and Clay; gray, unconsolidated, and Limestone; micritic, sandy, 5Y8/1 ----------	44	284
	Sand: fine- to coarse-grained, in calcareous matrix -----	22	306
	Clay: greenish-gray, indurated, and Sand; fine- to coarse-grained, and Limestone; dolomitic, sandy, with rare macroshell fragments and fish teeth ----------	24	330
	Clay: greenish-gray, sandy ----------	22	352
	Clay: as above, and Limestone; argillaceous ----------	22	374

Oligocene Undif. 374	Limestone: yellowish-gray, micritic to bioclastic, with abundant larger foraminifers comprising most of sample, 5Y8/1 Nummulites sp. at 374-396' Lepidocyclina sp. at 396-440' ----------	66	440
	Limestone: yellowish-gray, bioclastic, granular, with larger foraminifers, and, at depth, Dolomite; bluish-gray, to tan, massive, saccharoidal, 5Y8/1 Brachiopods and other macroshells at 484-504' Lepidocyclina favosa(?) at 504-526' ----------	130	570
U. Eocene Ocala Undif. 570	Limestone: very pale orange, bioclastic, recrystallized, abundantly fossiliferous, 10YR8/2 Lepidocyclina sp., bryozoans, echinoids, all abundant at 570-598' ----------	28	598
	Limestone: as above, and Dolomite; tan, saccharoidal, 10YR8/2 ----------	12	610

T.D. 610

WELL NO: GGS 2045 ALTITUDE: 340 ft.
WELL NAME: W. F. Benson TOTAL DEPTH: 210 ft.
COUNTY: Worth DESCRIBED BY: GGS, previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
Residuum 0	Clay: reddish-brown to gray, sandy ----------	20	20
In Miocene Hawthorne Undif. 20	Sand: poorly sorted, argillaceous, and Chert ----------	10	30
	Sand: medium- to coarse-grained, and Limestone; white to light gray ----------	10	40
	Limestone: yellowish-gray, sandy, and Chert, 5Y7/2 ------	50	90
Oligocene Undif. 90	Limestone: very pale orange, granular, bioclastic, becoming chalky at depth, 10YR8/2 Pararotalia mexicana at 90-100' Asterigerina subacuta at 110-120' ----------	100	190
U. Eocene Ocala Undif. 190	Limestone: very pale orange, bioclastic, recrystallized, with fragments of bryozoans and brachipods, and foraminifers, 10YR8/2 Asterocyclina sp. at 200-210' ----------	20	210

T.D. 210

WELL NO: GGS 2066 ALTITUDE: 395 ft.
WELL NAME: Ernie Wimberly TOTAL DEPTH: 320 ft.
COUNTY: Worth DESCRIBED BY: GGS previous investigator

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Altamaha 0	Clay: pale red purple to very light gray, mottled, sandy, and Sand; medium- to coarse-grained, subangular to subrounded grains, 5RP6/2 to N8	10	10
	Sand: dark yellowish-orange, coarse-grained, subangular grains, limonitic, 10YR6/6	20	30
	Clay: dark reddish-brown to very light gray, mottled, sandy, and Sand; fine- to coarse-grained, subangular grains, 10R3/4 to N8	10	40
Miocene Hawthorne Undif. 40	Sand: very pale orange, fine- to medium-grained, argillaceous, 10YR8/2	20	60
	Clay: mottled, silty to sandy, with rare mica, 5YR7/2	30	90
	Clay: yellowish-gray, silty, 5Y8/1	20	110
	Clay: white, dense, blocky, somewhat silty, N9	20	130
	Clay: very light gray, silty, slightly calcareous, and Sand; rare, N8	30	160
	Sand: yellowish-gray, argillaceous, calcareous, 5Y8/1	20	180
	Limestone: yellowish-gray to white, sandy, argillaceous, 5Y8/1 to N9	40	220
	Limestone: white, fine-grained, and Clay; greenish-gray, N9 and 5GY6/1	10	230
	Limestone: yellowish-gray, sandy, argillaceous, 5Y7/2	60	290
	Limestone: white to very light gray, soft, and Clay; greenish-gray, N9 to N8 and 5GY6/1	10	300
Oligocene Undif. 300	No samples	10	310
	Limestone: pinkish-gray, dense, recrystallized, 5YR8/1	10	320

T.D. 320

WELL NO: GGS 3154
WELL NAME: Southern Investors Cecil Key #1
COUNTY: Worth

ALTITUDE: 322 ft.
TOTAL DEPTH: 5568 ft.
DESCRIBED BY: GGS

SUMMARY:

THIS REPORT	DESCRIPTION	THICKNESS IN FEET	DEPTH IN FEET
In Miocene Undif. 0	Sand: moderate orange pink to yellowish-gray, fine- to medium-grained, moderately sorted, clayey, 5YR8/4 to 5Y8/1		
	Diatoms and sponge spicules at 90-100'	200	200
	Sand: yellowish-gray, fine- to medium-grained, well to moderately sorted, clayey, sparsely dolomitic, 5Y8/1	220	420
Oligocene Undif. 420	Sand: yellowish-gray to light olive gray, fine- to coarse-grained, moderately sorted, calcareous, with fragments of bryozoa and foraminifers, 5Y8/1 to 5Y6/1		
	Lepidocyclina sp. throughout		
	Pararotalia mexicana at 450-460'	130	550
	Limestone: yellowish-gray, bioclastic to granular, bryozoa, algae, Dolomite; crystalline, vuggy, 5Y8/1	270	820
	Limestone: pale yellowish-brown, granular, with chert, bryozoa, Dolomite; crystalline, 10YR6/1	105	925
Upper Eocene Undif. 925	Limestone: light olive gray, granular to finely granular, with chert and pyrite, Sand; fine-grained, moderately sorted, 5Y6/1	115	1040
Middle Eocene Claiborne Undif. 1040	Limestone: light olive gray, granular, glauconitic, with chert, Sand; fine- to medium-grained, well to moderately sorted, glauconitic, Dolomite; crystalline, 5Y6/1		
	Discocyclina sp. at 1040-1050'		
	Nummulites mariannensis at 1150-1160'	150	1190
	Sand: greenish-gray to light olive gray, fine-grained, well to moderately sorted, glauconitic, pyritic, Limestone; sandy, partially silicified, 5G6/1 to 5Y6/1	180	1370
Lower Eocene/ Paleocene Undif. 1370	Sand: light olive gray, fine- to medium-grained, moderately sorted, glauconitic, Limestone; sandy, granular, glauconitic, 5Y6/1	100	1470
	Limestone: pale yellowish-brown, crystalline, dense, Sand; fine-grained, poorly sorted, glauconitic, with iron oxide and heavy minerals, oyster shell fragments, Silt; clayey, 10YR6/2	200	1670

Cretaceous Undif. 1670	Sand: pale yellowish-brown, fine-grained, poorly sorted, glauconitic, Siltstone; sandy, calcareous, with heavy minerals, Limestone; sandy, 10YR6/2	95	1765
	Sand: pale yellowish-brown, fine-grained, poorly to moderately sorted, silty, pyritic, clayey, Limestone; sandy, 10YR6/2 Rugoglobigerina sp. at 1800-1810'	55	1820
	Sand: pale yellowish-brown, fine- to medium-grained, poorly to well sorted, pyritic, with heavy minerals and iron oxide, and Limestone; sandy, 10YR6/2	260	2080
	Sand: pale yellowish-brown, fine-grained, poorly to moderately sorted, clayey, pyritic, lignitic, with phosphate, and Limestone; sandy, 10YR6/2	50	2130
	Sand: light olive-gray to pale yellowish-brown, fine-grained, moderately sorted, clayey, 5Y5/1 to 10YR6/2	170	2300
	Sand: light olive-gray, fine-grained, poorly sorted, clayey, pyritic, silty, 5Y5/1	180	2480
	Sand: very fine- to medium-grained, slightly silty, with pyrite and glauconite, fossiliferous, with fragments of macrofossils and foraminifers	100	2580
	Sand: fine- to very coarse-grained, with traces of silt and shale, glauconitic, pyritic, with traces of heavy minerals	150	2730
	Sand: fine-grained, glauconitic, pyritic, with sparse lignite, microfossiliferous, and Shale; silty	480	3210
	Sand: fine- to very coarse-grained, glauconitic, with mica and lignite, and Shale; red, sandy, and Graywacke; red	420	3630
	Sand: fine- to very coarse-grained, calcareous, slightly silty, glauconitic, pyritic, and Shale; gray, calcareous, pyritic	1190	4820
	Sand: fine- to very coarse-grained, poorly sorted, with mica, lignite, and glauconite, traces of heavy minerals, and Shale; red, sparse	270	5090
	Sand: fine- to medium-grained, moderately to well sorted, sparsely glauconitic, and Shale; red and gray, sparse	180	5270
	No samples	30	5300
	Lithology as in 5090-5270'	10	5310
	Sand: fine- to very coarse-grained, poorly sorted, slightly silty, phosphatic, with mica and pyrite, and Shale; red and gray, sparse	80	5390
	No samples	70	5460
	Sand: fine- to coarse-grained, poorly to well sorted, glauconitic, with pyrite and lignite, and Shale; red to gray, and Limestone; light gray	108	5568

T.D. 5568

EXPLANATION

- ●[1863] WELL LOCATION - Number is Georgia Geologic Survey (GGS) well identification number
- ●[18K49] WELL LOCATION - Number and letter combination is U.S. Geological Survey topographical grid and well identification number
- ⊙[221] PETROLEUM EXPLORATION WELL LOCATION - Georgia Geologic Survey and U.S. Geological Survey well identification numbers as above
- ⊡[3541] CORE TEST WELL LOCATION - Number is Georgia Geologic Survey well identification number
- ⊡[B3] CORE TEST WELL LOCATION - Number and letter combination is Georgia Power Company identification number

Base from U.S. Geological Survey
State base map, 1970

10 0 10 20 30 40 MILES

Scale 1:500,000

WELL LOCATIONS, GULF TROUGH AREA, GEORGIA.

$351/500