

GEORGIA
STATE DIVISION OF CONSERVATION
DEPARTMENT OF MINES, MINING AND GEOLOGY
GARLAND PEYTON, Director

THE GEOLOGICAL SURVEY
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WELL LOGS OF THE
COASTAL PLAIN OF GEORGIA

by

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ATLANTA
1961

CLAY COUNTY

Location: Northeast part of town, top of high hill, at Well No.: GGS 435
 elevated steel reservoir, in Fort Gaines Elev.: 400
 Owner: No. 2 City of Fort Gaines
 Driller: Layne-Atlantic Company
 Drilled: 1955

	Thickness (feet)	Depth (feet)
Middle Eocene: Claiborne Group: Tallahatta Formation:		
Sand: fine to coarse-grained, subangular; clay, brick-red, sandy, limonitic	43	43
Sand: fine to coarse-grained, subangular; limestone, yellowish and leached, sandy; some clay, yellowish-green with some gray to chocolate-colored, blocky, carbonaceous, sandy, micaceous; fragments of buhrstone (latter at depth), dark-gray to brown, extremely dense, opaque, and crystalline.....	41	84
Lower Eocene: Wilcox Group (Undifferentiated):		
Clay: dark-gray, silty, carbonaceous; limestone, light-gray, dense, saccharoidal, coarsely glauconitic; sand, as above.....	41	125
Clay: dark-gray, silty, carbonaceous, pyritiferous	72	197
Sand: fine to medium-grained, subangular, indurated at certain levels, abundantly glauconitic.....	31	228
Paleocene: Midway Group: Clayton Formation:		
Sand: fine to coarse-grained, subangular, scattered grains of pale-green quartz	41	269
Clay (or fuller's earth): light-gray, silty, blocky, carbonaceous, micaceous; some sand, as above.....	29	298
Sand: coarse-grained, subangular; some clay, as above	5	303
Limestone: light-gray, somewhat soft and chalky, fossiliferous (fragments and casts of megafossils, bryozoan remains, Ostracods, and some Foraminifera).....	79	382
<i>Argyrotheca</i> sp. at 310-330.		
<i>Anomalina midwayensis</i> at 330-351.		
<i>Discorbis midwayensis</i> var. at 351-371.		
Limestone: as above but dense (much calcitized), pyritiferous, sandy, sandier with depth.....	73	455

	Thickness (feet)	Depth (feet)
Summary:		
Middle Eocene (Tallahatta formation)	84	84
Lower Eocene (Wilcox group, undifferentiated)	144	228
Paleocene (Clayton formation)	227	455

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	41	269
Limestone	149	455

CLAY COUNTY

Location: Approximately 5 mi. west of Bluffton.
 Owner: No. 1 H. B. Hightower
 Driller: Layne-Atlantic Company
 Drilled: 1955

Well No.: GGS 464
 Elev.: 400

	Thickness (feet)	Depth (feet)
Middle Eocene: Claiborne Group: Lisbon Formation:		
Sand: fine to coarse-grained; some clay, gray to red (mottled), sandy, limonitic	57	57
Sand: fine to coarse-grained; interbedded stringers of clay, yellowish-green, sandy, micaceous	23	80
Sand: coarse-grained; some clay, tan to dark-brown, sandy	15	95
Limestone: yellowish-green to cream, dense, sandy, sparsely phosphatic, fossiliferous (fragments and molds of megafossils, Ostracods, and Foraminifera)	51	146
<i>Cibicides westi</i> at 95-100.		

Tallahatta Formation:

Sand: fine to coarse-grained, subangular, sparsely phosphatic; some clay, yellowish-green with red streaks (mottled), sandy, micaceous	82	228
<i>Cibicides tallahattensis</i> , <i>Valvulineria danvillensis</i> var. at 228-238.		

Lower Eocene: Wilcox Group (Undifferentiated):

Clay: dark-gray, sandy, carbonaceous, micaceous; limestone, light-gray, dense, crystalline, sandy, coarsely glauconitic, fossiliferous (some macroshells)	21	249
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