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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Prepared cooperatively by the U. S. Geological Survey

ATLANTA
1961

	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 — Well No.: GGS 464
Owner: No. 1 H. B. Hightower — Elev.: 400
Driller: Layne-Atlantic Company
Drilled: 1955

	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
Cibicides westi 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
Cibicides tallahattensis, *Valvulineria danvillensis* 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

	Thickness (feet)	Depth (feet)
Clay: dark-gray, sandy, carbonaceous, micaceous, pyritiferous	116	365
Sand: fine to medium-grained, subangular, abundantly glauconitic	13	378
Paleocene: Midway Group: Clayton Formation:		
Sand: fine to coarse-grained, subangular, grains of pale-green quartz	14	392
Clay: dark-gray, silty, carbonaceous, fossiliferous at depth (Ostracods and Foraminifera)	38	430
Eponides dorfi, Robulus wilcoxensis, Valvulineria wilcoxensis, Valvulineria scrobiculata at 392-412.		
Limestone: light-gray, dense, crystalline but somewhat argillaceous and "earthy," pyritiferous, fossiliferous (fragments and molds of megafossils, bryozoan remains, and some Foraminifera)	24	454
Robulus midwayensis at 422-433.		

Summary:

Middle Eocene (Lisbon formation)	146	146
Middle Eocene (Tallahatta formation)	82	228
Lower Eocene (Wilcox group, undifferentiated)	150	378
Paleocene. (Clayton formation)	76	454

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	14	392
Limestone	24	454

CLAY COUNTY

Location: At City Water Works in Fort Gaines
Owner: No. 3 City of Fort Gaines
Driller: Layne Atlantic Company
Drilled: 1958

Well No.: GGS 556
Elev.: 146

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Clay: gray to tan to reddish-brown (somewhat mottled), sandy, limonitic	11	11
Sand: medium-grained, angular, limonitic	5	16