

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

THE GEOLOGICAL SURVEY
Bulletin Number 70

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)
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
<i>Eponides dorfi</i> , <i>Robulus wilcoxensis</i> , <i>Valvulineria wilcoxensis</i> , <i>Valvulineria scrobiculata</i> 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
<i>Robulus midwayensis</i> 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

	Thickness (feet)	Depth (feet)
Paleocene: Midway Group: Clayton Formation:		
Sand: as above; marl, black, carbonaceous, micaceous, fossiliferous (macroshells, echinoid spines, Ostracods and Foraminifera)	7	23
<i>Robulus</i> sp., <i>Valvulineria wilcoxensis</i> , <i>Valvulineria scrobiculata</i> , <i>Eponides dorfi</i> at 16-23.		
Sand: fine to coarse-grained, angular; marl, as above.....	77	100
Limestone: gray, dense, crystalline, sandy, pyritiferous, fossiliferous (fragments, casts and molds of megafossils, bryozoan remains and Foraminifera).....	34	134
<i>Robulus midwayensis</i> , <i>Discorbis midwayensis</i> var. <i>trinitensis</i> at 105-116.		
Sand: medium-grained, angular.....	27	161
Marl: gray, silty, micaceous; limestone, as above.....	6	167
<i>Eponides lotus</i> at 161-167.		
Limestone: gray, dense, crystalline, sandy, coarsely glauconitic, fossiliferous (fragments, casts and molds of megafossils)	6	173
Sand: fine to coarse-grained, angular.....	14	187
Upper Cretaceous: Providence Sand:		
Marl: dark, bluish-gray to black, highly micaceous, carbonaceous, sandy, pyritiferous; sand, as above.....	21	208
Sand: fine to coarse-grained, angular, somewhat arkosic, indurated at certain horizons; interbedded stringers of marl, gray, sandy, micaceous, fossiliferous at certain levels (macroshells, Ostracods and Foraminifera)	161	369
<i>Anomalina clementiana</i> at 213-223.		
<i>Anomalina pseudopapillosa</i> , glauconite prominent at 322-331.		
Ripley Formation:		
Marl: gray, sandy, micaceous	41	410
Marl: dark bluish-gray to black, silty, very micaceous, carbonaceous, pyritiferous, sideritic, fossiliferous (macroshells, Ostracods and Foraminifera).....	59	469
<i>Robulus munsteri</i> at 410-431.		
<i>Robulus munsteri</i> , <i>Gaudryina rudita</i> at 431-469.		

	Thickness (feet)	Depth (feet)
Summary:		
Pliocene to Recent (undifferentiated)	16	16
Paleocene (Clayton formation)	171	187
Upper Cretaceous (Providence sand)	182	369
Upper Cretaceous (Ripley formation)	100	469

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	14	187
Sand: fine to coarse-grained	161	369

CLINCH COUNTY

Location: 5 mi. east of Stockton
 Owner: No. 1 J. E. Mathews
 Driller: Winter Hardware Company
 Drilled: March 1942

Well No.: GGS 86
 Elev.: 187

	Thickness (feet)	Depth (feet)
No samples	10	10
In Pliocene to Recent (Undifferentiated):		
Sand: medium-grained, subrounded; (near bottom of interval) clay, brownish-gray	10	20
Clay: rather dark-brownish-gray, blocky, sandy, more sandy with depth	20	40
Clay: as above but much sandier, light-brown to jet-black, polished, phosphatic pebbles ¹	60	100
Miocene (Undifferentiated):		
Clay: pale-yellowish-green, sandy, somewhat phosphatic	40	140
Clay: as above but somewhat indurated, tough	20	160
Limestone: white to cream, much calcitized, somewhat saccharoidal, sandy	20	180
Summary:		
No samples	10	10
In Pliocene to Recent (undifferentiated)	90	100
Miocene (undifferentiated)	80	180

Potential Water-Bearing Zones:

Limestone	20	180
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¹Reworked from older beds of Miocene age.