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

	Thickness (feet)	Depth (feet)
In Paleocene: Midway Group: Clayton Formation:		
Indurated sand: fine to coarse-grained, subangular, rather dense and nonporous	?	600
No samples	60	660
Limestone: light-gray, extremely dense and crystalline, sandy, fossiliferous (macroshells, bryozoan remains, and some Foraminifera)	?	660
Nodosaria affinis, Robulus midwayensis at 660.		

Summary:

No samples	320	320
In middle Eocene (Tallahatta formation)	40	360
No samples	40	400
In lower Eocene (Wilcox group, undifferentiated)	170	570
No samples	30	600
In Paleocene (Clayton formation)	60	660

Potential Water-Bearing Zones:

Limestone occurring below depth of 660.

EARLY COUNTY

Location: 1.2 mi. north of Saffold
Owner: No. 1 Jakin Elementary School
Driller: E. J. Carlisle
Drilled: August 1953

Well No.: GGS 351
Elev.: 201

	Thickness (feet)	Depth (feet)
Residuum:		
Clay: gray to pink to purple (mottled), very sandy, limonitic	45	45
Sand: fine to coarse-grained, subangular, arkosic	30	75
Clay: tan, very sandy, limonitic, with scattered fragments of residual limestone	15	90
Sand: medium to coarse-grained, subangular, arkosic; some clay, as above	45	135

	Thickness (feet)	Depth (feet)
In Middle Eocene: Claiborne Group: Lisbon Formation:		
Clay: dark-green, somewhat indurated and tough, coarsely glauconitic, sandy, fossiliferous (small Gastropods, Ostracods, and Foraminifera)	105	240
Siphonina claibornensis, Cibicides westi, Asterocyclina sp. at 135-150.		
Lepidocyclina sp., and *Operculinoides* sp. common to abundant at 150-165.		
Limestone: yellow, dense and crystalline, sandy, coarsely glauconitic, fossiliferous (a coquina)	45	285
Tallahatta Formation:		
Sand: coarse-grained, subangular clay, tan, sandy; some limestone, yellow, rather soft and leached, sandy	15	300
Claystone (or argillaceous sandstone): dark-green, extremely dense and somewhat crystalline, coarsely glauconitic, cherty (a buhrstone), carbonaceous, fossiliferous (some macroshells); clay, gray to tan to pink (mottled), sandy	120	420
Indurated sand: fine to medium-grained, subangular, coarsely glauconitic	12	432
Limestone: gray, very dense and massive, crystalline, sandy, coarsely glauconitic, fossiliferous (fragments, casts and molds of Pelecypods)	20	452
Lower Eocene: Wilcox Group (Undifferentiated):		
Sand: fine to medium-grained, subangular, somewhat indurated at certain levels, coarsely but abundantly glauconitic	50	502
Limestone: gray, dense and crystalline, coarsely and abundantly glauconitic, fossiliferous (megafossils); some clay, dark-brown, silty, lignitic, micaceous, pyritiferous, fossiliferous (Foraminifera at certain levels)	20	522
Clay: as in above sample	236	758

	Thickness (feet)	Depth (feet)
Paleocene: Midway Group: Clayton Formation:		
Indurated sand: fine to medium-grained, subangular, glauconitic, fossiliferous (macroshells, Ostracods, and Foraminifera)	70	828
Macroshells abundant at 768-778.		
Discorbis midwayensis at 768-778.		
Operculinoides catenula common at 788-798.		
Limestone: gray, nodular, sandy, fossiliferous (some macroshells, bryozoan remains, and Foraminifera)	22	850
Pseudophragmina stephensoni at 838-850.		

Summary:

Residuum	135	135
In middle Eocene (Lisbon formation)	150	285
In middle Eocene (Tallahatta formation)	167	452
Lower Eocene (Wilcox group, undifferentiated)	306	758
Paleocene (Clayton formation)	92	850

Potential Water-Bearing Zones:

Sand: fine to medium-grained	50	502
Indurated sand grading downward into limestone	92	850

Remarks:

The main body of the Clayton formation proper lies below total depth of this well. For abundant ground-water supplies the well should be drilled deeper into the Clayton formation.

EARLY COUNTY

Location: 1 mi. south of road intersection in Damascus, east side of Highway 45, between highway and Seaboard Airline R.R.
Well No.: GGS 358
Elev.: 229
Owner: No. 1 Kestler School
Driller: E. J. Carlisle
Drilled: August 1953

	Thickness (feet)	Depth (feet)
Residuum:		
Clay: bluish-gray to purple to red (mottled), sandy, limonitic, residual limestone at depth	85	85