

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)
Potential Water-Bearing Zones:		
Sand: fine to coarse-grained.....	20	114

Remarks:

The best aquifers (sand) in this area occur much deeper than the total depth of this well. Such aquifers belong to the more deeply buried Eutaw and Tuscaloosa formations.

SUMTER COUNTY

Location: Northeastern part of County, near Flint River, Well No.: GGS 137
 few hundred yd. south of Creek Branch, east side of Elev.: 278
 north-south County Road
 Owner: No. 6 USGS Test Hole
 Driller: Scott Bros.
 Drilled: August 1946

	Thickness (feet)	Depth (feet)
Residuum:		
Clay: mottled, very sandy, limonitic.....	20	20
Upper Eocene: Jackson Group: Ocala Limestone:		
Limestone: cream, glauconitic at depth, sandy, fossiliferous (macroshells and Foraminifera at certain levels).....	26	46
<i>Lepidocyclina</i> sp., <i>Gypsina globula</i> at 30-40.		
Middle Eocene: Claiborne Group: Lisbon Formation:		
Marl: light-gray, sandy, glauconitic (finely disseminated grains), fossiliferous (macroshells, bryozoan remains, and Foraminifera); interbedded limestone, cream, dense, sandy, glauconitic, fossiliferous (macroshells).....	44	90
<i>Gyroidina soldanii</i> var., <i>Siphonina claibornensis</i> , <i>Cibicides westi</i> at 46-50 core.		
Tallahatta Formation:		
Sand: fine to coarse-grained, angular, phosphatic, fossiliferous (a coquina).....	100	190
Limestone: gray, dense, sandy, glauconitic, fossiliferous (macroshells).....	10	200

	Thickness (feet)	Depth (feet)
Lower Eocene: Wilcox Group (Undifferentiated):		
Clay: dark-gray, silty, carbonaceous, glauconitic.....	60	260
Paleocene: Midway Group: Clayton Formation:		
Sand: fine to medium-grained, angular, somewhat indurated; thin stringers of clay, light-gray, micaceous.....	30	290
Clay: dark-gray to black, carbonaceous, glauconitic, micaceous (finely disseminated)	20	310
Limestone: gray, dense, crystalline, sandy, fossiliferous (casts and molds of megafossils and occasional bryozoan remains)....	50	360
Upper Cretaceous: Providence and Ripley (Undifferentiated):		
Sand: fine to coarse-grained, angular.....	20	380
Sand: as above; marl, bluish-gray, silty, micaceous, fossilifer- ous (megafossils and Foraminifera at depth).....	70	450
<i>Anomalina pseudopapillosa</i> at 420-430.		
Summary:		
Residuum	20	20
Upper Eocene (Ocala limestone).....	26	46
Middle Eocene (Lisbon formation).....	44	90
Middle Eocene (Tallahatta formation).....	110	200
Lower Eocene (Wilcox, undifferentiated).....	60	260
Paleocene (Clayton formation).....	100	360
Upper Cretaceous (Providence and Ripley, undifferentiated).....	90	450
Potential Water-Bearing Zones:		
Sand: fine to medium-grained.....	30	290
Limestone	50	360
Sand: fine to coarse-grained.....	20	380

SUMTER COUNTY

Location: In Americus
 Owner: City of Americus
 Driller: Layne-Atlantic Company
 Drilled: 1947

Well No.: GGS 147
 Elev.: 412

	Thickness (feet)	Depth (feet)
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Middle Eocene: Claiborne Group: Tallahatta Formation:

Clay: mottled, sandy, limonitic; tongues of sand, fine to me- dium-grained, angular	37	37
Sand: fine to coarse-grained, angular.....	52	89