

**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

**Stephen M. Herrick, Geologist**  
United States Geological Survey



Prepared cooperatively by the U. S. Geological Survey

---

**ATLANTA**  
**1961**

## Remarks:

Additional water-bearing sands occur below a depth of 300 feet, but will have to be determined by more exact means than can be done on the basis of cuttings on which the above log is based. The electric log of this well would furnish such exacting information, but, so far, this log has not yet been released for this well.

## SUMTER COUNTY

Location: Americus

Well No.: GGS 504

Owner: No. 1 Sweet Potato House

Driller: Southeastern Drilling Company

Drilled: 1956

	Thickness (feet)	Depth (feet)
--	---------------------	-----------------

**Residuum:**

Sand: fine-grained, argillaceous, limonitic.....	10	10
--	----	----

Clay: pale-green to red (mottled), sandy.....	10	20
---	----	----

Sand: fine to coarse-grained, angular.....	10	30
--	----	----

**Middle Eocene: Claiborne Group: Tallahatta Formation:**

Clay: pale-green to red (mottled), sandy, blocky.....	10	40
---	----	----

Sand: coarse-grained, angular.....	10	50
------------------------------------	----	----

**Lower Eocene: Wilcox Group (Undifferentiated):**

Clay: olive-green to tan to red (mottled), very sandy, glauconitic.....	10	60
---	----	----

Clay: bluish-gray, fissile, sandy, glauconitic.....	40	100
---	----	-----

Glauconite very abundant at 90-100.

**Paleocene: Midway Group: Clayton Formation:**

Sand: coarse-grained; some clay, as above.....	50	150
--	----	-----

Clay: light to dark-gray to black, somewhat blocky; sand, as above.....	10	160
---	----	-----

Sand: coarse-grained, subangular.....	10	170
---------------------------------------	----	-----

Clay: black, fissile, finely micaceous; some sand as above.....	10	180
---	----	-----

Limestone: gray, dense (much calcitized), somewhat sandy, glauconitic, fossiliferous (fragments and molds of macroshells, bryozoan remains, Ostracods, and Foraminifera).....	30	210
---	----	-----

*Robulus degolyeri*, *Robulus midwayensis*, *Siphonina wilcoxensis*, *Eponides lotus*, *Discorbis midwayensis* var. *trinitatensis*, *Anomalina umbonifera*, *Cibicides howelli*, *Cibicides praecursorius* at 180-190.

	Thickness (feet)	Depth (feet)
Sand: coarse-grained to finer-grained at depth, angular, arkosic .....	20	230

**Upper Cretaceous: Providence and Ripley (Undifferentiated):**

Sand: fine-grained .....	10	240
--------------------------	----	-----

Sand: as above; clay, light-gray, silty, micaceous, more pyritiferous and fossiliferous at depth .....	50	290
--	----	-----

*Anomalina pseudopapillosa* at 280-290.

Sand: gray, medium-grained, indurated, fossiliferous (fragments and molds of macroshells) .....	50	340
---	----	-----

Marl: dark-gray, silty, micaceous, fossiliferous .....	70	410
--	----	-----

*Epistomina caracolla*, *Planulina correcta*, *Planulina natcheensis* at 340-350.

**Summary:**

Residuum .....	30	30
Middle Eocene (Tallahatta formation) .....	20	50
Lower Eocene (Wilcox group, undifferentiated) .....	50	100
Paleocene (Clayton formation) .....	130	230
Upper Cretaceous (Providence and Ripley, undifferentiated) .....	180	410

**Potential Water-Bearing Zones:**

Sand: coarse-grained .....	10	50
Sand: fine to coarse-grained .....	50	150
Limestone .....	30	210
Sand: fine to coarse-grained .....	20	230

**TALBOT COUNTY**

Location: Near Geneva  
 Owner: No. 1 Geneva School  
 Driller: Layne-Atlantic Company  
 Drilled: September 1954

Well No.: GGS 403  
 Elev.: 575

Thickness (feet)	Depth (feet)
---------------------	-----------------

**Upper Cretaceous: Tuscaloosa Formation:**

Sand: yellow to light-tan, somewhat argillaceous, fine to coarse-grained, angular .....	5	5
---	---	---

Clay (or kaolin): white to gray to red (mottled), very sandy, arkosic .....	13	18
---	----	----