

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

DOUGHERTY COUNTY

Location: 7 mi. southwest of Albany, 3.5 mi. north of Well No.: GGS 11
 Lockette, Land Lot 116, 2nd Land District Elev.: 197
 Owner: No. 1 Reynolds Bros. Lumber Company
 Driller: J. K. Sealy et al
 Drilled: 1942

	Thickness (feet)	Depth (feet)
No samples	280	280
In Middle Eocene: Claiborne Group: Tallahatta Formation:		
Sand: fine to medium-grained, angular, phosphatic	129	409
No samples	23	432
Sand: as above; marl, gray, silty, micaceous, glauconitic, fos- siliferous (some Foraminifera)	33	465
<i>Valvulineria jacksonensis</i> var., <i>Alabama</i> sp. at 432-465.		
Lower Eocene: Wilcox Group (Undifferentiated):		
Sand: as above; marl, gray to darker-gray at depth, mica- ceous, carbonaceous, fossiliferous at certain levels (Fora- minifera)	29	494
<i>Globorotalia wilcoxensis</i> at 465-494.		
Sand: fine-grained, angular, abundantly glauconitic	30	524
Clay: light-gray, somewhat fissile; sand, as above	34	558
No samples	17	575
In Paleocene: Midway Group: Clayton Formation:		
Limestone: white, crystalline, coarsely glauconitic, sandy; in- durated sand at depth, fine-grained, dense, glauconitic (finely disseminated)	15	590
Indurated sand: fine-grained, rather dense, glauconitic; inter- bedded marl, dark-gray to black, fissile, carbonaceous, micaceous	25	615
<i>Operculinoides catenula</i> common, <i>Robulus midwayensis</i> , <i>Robulus degolyeri</i> at 585-623.		
Limestone: light-gray, dense, crystalline, sandy to very sandy in its lower part, glauconitic, fossiliferous (macroshells, bryozoan remains, and some Foraminifera)	135	750
Sand: fine to coarse-grained, angular	20	770

Thickness
(feet) Depth
(feet)

Upper Cretaceous: Providence and Ripley Formations (Undifferentiated):

Marl: gray, somewhat chalky, micaceous, glauconitic, pyritiferous, fossiliferous (megafossils, Ostracods, and Foraminifera) 20 790

Gaudryina rudita, *Anomalina pseudopapillosa* at 770-790.

Indurated sand: fine to coarse-grained, angular, fossiliferous (a coquina) 25 815

Sand: fine to coarse-grained, angular; interbedded marl, as above 255 1,070

Cibicides harperi, *Textularia ripleyensis* at 925-955.

Globotruncana cretacea, *Dorothia* sp. at 955-985.

Marl: as above 30 1,100

Cusseta and Blufftown Formations (Undifferentiated):

Marl: bluish-gray to brown, somewhat fissile at depth, silty, micaceous, glauconitic, carbonaceous, pyritiferous, abundantly fossiliferous at certain levels (megafossils, Ostracods and Foraminifera); interbedded sand, fine to coarse-grained, angular, glauconitic, somewhat phosphatic, fossiliferous (macroshells) 1,170 2,270

Planulina taylorensis at 1105-1135.

Kyphopyxa christneri, *Vaginulina texana* at 1585-1615.

Sand: fine to medium-grained, somewhat indurated, glauconitic, micaceous, fossiliferous (macroshells) 95 2,365

Eutaw Formation (Restricted):

Sand: fine to coarse-grained, angular, somewhat indurated, micaceous, phosphatic, glauconitic, fossiliferous (a coquina) 140 2,505

Tuscaloosa Formation:

Sand: fine to coarse-grained, angular, arkosic, scattered grains of "rose quartz"; interbedded clay, yellowish-green, somewhat iron-stained, micaceous, sandy 315 2,820

Clay or shale: dark-gray to black, carbonaceous (finely disseminated), fossiliferous at certain levels (casts of megafossils); interbedded sand, fine to coarse-grained, angular, glauconitic 100 2,920

	Thickness (feet)	Depth (feet)
Sand: medium-grained, glauconitic, micaceous	15	2,935
Sand: coarse-grained, angular, massive, arkosic; interbedded clay, brick-red to dark-green (mottled), highly micaceous, sandy	365	3,300 ¹

Summary:

No samples	280	280
In middle Eocene (Tallahatta formation)	185	465
Lower Eocene (Wilcox group, undifferentiated)	93	558
No samples	17	575
In Paleocene (Clayton formation)	195	770
Upper Cretaceous (Providence and Ripley formations)	330	1,100
Upper Cretaceous (Cusseta and Blufftown formations)	1,265	2,365
Upper Cretaceous (Eutaw formation)	140	2,505
Upper Cretaceous (Tuscaloosa formation)	795	3,300

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	85	385
Limestone:	135	750
Sand: fine to coarse-grained	20	770

DOUGHERTY COUNTY

Location: 3.5 mi. west of Dougherty-Worth County Well No.: GGS 248
 line and 0.5 mi. south of Atlantic Coast Line R.R. Elev.: 223
 Owner: No. 1 U. S. Marine Corps
 Driller: Layne-Atlantic Company
 Drilled: 1951

	Thickness (feet)	Depth (feet)
Residuum:		
Sand: fine to medium-grained, limonitic; clay, mottled, sandy	20	20
Clay: gray to brown (mottled), sandy, limonitic, and frag- ments of residual limestone	20	40
No samples	12	52

¹Not reported below 3,300.