

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)
Summary:		
Residuum	68	68
Middle Eocene (Claiborne group, undifferentiated)	170	238
Lower Eocene (Wilcox group, undifferentiated)	92	330
Paleocene (Clayton formation)	123	453

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	20	126
Sand: fine to coarse-grained	50	190
Sand: fine to coarse-grained	16	366
Limestone	53	453

TERRELL COUNTY

Location: Southeastern part of city, west side of Highway 50, in Dawson

Well No.: GGS 407

Owner: No. 1 Matthew Williams

Elev.: 354

Driller: Layne-Atlantic Company

Drilled: 1954

	Thickness (feet)	Depth (feet)
Residuum:		
Sand: fine to coarse-grained, angular; interbedded clay, mottled, sandy, carbonaceous, limonitic	23	23
Sand: as above; clay, chocolate; scattered fragments of residual limestone	41	64

Middle Eocene: Claiborne Group: Lisbon Formation:

Marl: yellowish-green, somewhat fissile, sandy, micaceous, fossiliferous (some poorly preserved Foraminifera)	11	75
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Spiroplectammia mississippiensis var., *Textularia cuyleri*,
Siphonina claibornensis, *Cibicides westi* at 64-75.

Sand: fine to coarse-grained, angular; some limestone, yellow, sandy, fossiliferous (macroshells and Foraminifera)	10	85
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Limestone: yellow, dense (much calcitized), saccharoidal, very sandy, fossiliferous (macroshells and Foraminifera)	20	105
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Asterigerina lisbonensis at 85-105.

Sand: fine to coarse-grained, angular, coarsely glauconitic, fossiliferous (macroshells)	21	126
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	Thickness (feet)	Depth (feet)
Tallahatta Formation:		
Sand: fine to coarse-grained, angular, coarsely glauconitic, sparsely phosphatic; interbedded marl, yellowish-green, fissile, sandy, micaceous, fossiliferous (Foraminifera at certain horizons)	74	200
<i>Cibicides tallahattensis</i> at 126-146.		
<i>Cibicides tallahattensis</i> , <i>Valvulineria danvillensis</i> var. <i>gyroidinoides</i> , <i>Cibicides blampiedi</i> at 167-200.		

Lower Eocene: Wilcox Group (Undifferentiated):

Limestone: gray, extremely dense and crystalline, sandy, coarsely glauconitic, fossiliferous (some macroshells); some clay, dark-gray, silty, carbonaceous, micaceous, pyritiferous, glauconitic	28	228
Clay: dark-gray, silty, carbonaceous, micaceous, glauconitic, pyritiferous, fossiliferous (some Foraminifera at certain levels)	62	290
<i>Robulus wilcoxensis</i> , <i>Eponides dorfi</i> , <i>Anomalina umbonifera</i> , <i>Valvulineria scrobiculata</i> , <i>Siphonina wilcoxensis</i> at 228.		

Paleocene: Midway Group: Clayton Formation:

Sand: fine to coarse-grained, subangular, scattered grains of pale-green quartz; some clay, gray to red (mottled), silty, micaceous, carbonaceous, bauxitic?	20	310
Sand: as above; some clay, dark-gray to black, somewhat fissile, carbonaceous, micaceous	51	361
Limestone: light-gray, dense (much calcitized), somewhat sandy, coarsely glauconitic, fossiliferous (fragments and molds of macroshells, bryozoan remains, Ostracods, and Foraminifera); interbedded marl, dark-gray, fissile, carbonaceous, finely micaceous, pyritiferous, fossiliferous (Foraminifera)	11	372
<i>Anomalina midwayensis</i> , <i>Robulus midwayensis</i> , <i>Globulina gibba</i> var., <i>Robulus alabamensis</i> , <i>Cibicides howelli</i> at 361-372.		
Limestone: as above	62	434

Summary:

Residuum	64	64
Middle Eocene (Lisbon formation)	62	126
Middle Eocene (Tallahatta formation)	74	200
Lower Eocene (Wilcox group, undifferentiated)	90	290
Paleocene (Clayton formation)	144	434

	Thickness (feet)	Depth (feet)
Potential Water-Bearing Zones:		
Sand: fine to coarse-grained	95	200
Sand: fine to coarse-grained	71	361
Limestone	62	434

TERRELL COUNTY

Location: About 2 mi. southwest of Dawson
 Owner: No. 1 Stephen Cocke Fish Hatchery
 Driller: M. M. Gray and Company
 Drilled: September 1956

Well No.: GGS.503
 Elev.: 374

	Thickness (feet)	Depth (feet)
Residuum and Middle Eocene (Undifferentiated):		
Sand: fine to coarse-grained, angular; some clay, light-gray to brick-red, sandy, limonitic	200	200
Lower Eocene: Wilcox Group (Undifferentiated):		
Clay: dark-gray to brown, somewhat fissile, micaceous, carbonaceous, abundantly glauconitic	100	300
Paleocene: Midway Group: Clayton Formation:		
Sand: fine to coarse-grained, subangular, scattered grains of pale green quartz	50	350
Clay (or fuller's earth): dark-gray, blocky, silty, micaceous, carbonaceous	10	360
Limestone: light-gray to white, dense (much calcitized), sandy, coarsely glauconitic, pyritiferous, fossiliferous (macroshells, bryozoan remains, Ostracods, and Foraminifera)	95	455
<i>Gyroidina aequilateralis</i> , <i>Eponides lotus</i> , <i>Globulina gibba</i> , <i>Cibicides praecursorius</i> at 355-365.		
No. samples	25	480
In Upper Cretaceous (Undifferentiated):		
Marl: bluish-gray, silty, somewhat chalky, pyritiferous, micaceous, fossiliferous (macroshells, Ostracods, and Foraminifera); interbedded sand, fine-grained, micaceous, pyritiferous, fossiliferous (macroshells, Ostracods, and Foraminifera)	100	580
<i>Anomalina pseudopapillosa</i> at 480-490.		
Sand: fine to coarse-grained, angular, micaceous, phosphatic	17	597