

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)
Oligocene (Undifferentiated):		
Limestone: light-gray to white at depth, nodular, highly calcitized, crystalline, sandy, fossiliferous (some echinoid and bryozoan remains and Foraminifera)	60	230
<i>Rotalia mexicana</i> var., <i>Gypsinia globula</i> ¹ at 170-180.		
<i>Lepidocyclina</i> sp. at 210-220.		
Limestone: as above but much softer, massive, fossiliferous (echinoid and bryozoan remains, and Foraminifera)	30	260
<i>Lepidocyclina</i> sp., <i>Coskinolina</i> ? ¹ sp., <i>Dictyoconus</i> ¹ sp. at 230-240.		

Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: cream, much calcitized, crystalline, fossiliferous at certain levels (bryozoan remains and Foraminifera)	115	375
<i>Operculinoides floridensis</i> common at 260-270.		
Limestone: white, dense (highly calcitized); massive, relatively unfossiliferous	140	515

Summary:

Miocene (undifferentiated)	170	170
Oligocene (undifferentiated)	90	260
Upper Eocene (Ocala limestone)	255	515

Potential Water-Bearing Zones:

Limestone	305	515
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TERRELL COUNTY

Location: Approximately 300 ft. south of Central of Georgia R.R., east side of main street in Dawson
 Well No.: GGS 213
 Elev.: 347
 Owner: No. 3 City of Dawson
 Driller: Layne-Atlantic Company
 Drilled: December 1950

	Thickness (feet)	Depth (feet)
Residuum:		
Sand: fine to coarse-grained, angular; clay, yellow to olive-green to red (mottled), sandy, limonitic; residual limestone, yellow, iron-stained, leached, cherty, fossiliferous (bryozoan remains, occasional Ostracods and Foraminifera)	20	20
<i>Rotalia byramensis</i> var., <i>Quinqueloculina</i> sp. at 0-15.		

¹Reworked (?) fossil of middle Eocene age.

	Thickness (feet)	Depth (feet)
Sand: fine to coarse-grained; fragments of residual limestone, as above	42	62
Middle Eocene: Claiborne Group: Lisbon Formation:		
Sand: fine to coarse-grained, some indurated, fossiliferous at depth (macroshells); interbedded marl, yellowish-green, somewhat indurated, sandy, micaceous, fossiliferous (some Foraminifera)	58	115
<i>Cibicides westi</i> at 62-77.		
<i>Asterigerina lisbonensis</i> at 77-92.		
Abundant macroshells at 92-107.		
Tallahatta Formation:		
Sand: fine to coarse-grained, sparsely phosphatic	59	174
<i>Cibicides tallahattensis</i> at 128-143.		
Sand: fine to coarse-grained, fossiliferous (abundant macroshells); some clay, gray, fissile, micaceous, carbonaceous, mottled and bauxitic at depth.....	33	207
Lower Eocene: Wilcox Group (Undifferentiated):		
Limestone: gray, dense, crystalline, sandy, coarsely glauconitic, fossiliferous (macroshells)	4	211
Clay: dark-gray, silty, carbonaceous, micaceous, glauconitic, fossiliferous (Foraminifera at certain levels)	64	275
<i>Cibicides howelli</i> , <i>Anomalina umbonifera</i> at 221-236.		
Sand: fine to coarse-grained, subangular, abundantly glauconitic	21	296
Paleocene: Midway Group: Clayton Formation:		
Sand: fine to coarse-grained, subangular, grains of pale-green quartz; some clay (or fuller's earth), light-gray, blocky, somewhat indurated, micaceous.....	35	331
Clay (or fuller's earth); some sand, as above	10	341
Limestone: light-gray, dense (much calcitized), sandy, coarsely glauconitic, fossiliferous (macroshells, bryozoan remains, Ostracods, and Foraminifera); interbedded clay, black, fissile, carbonaceous, finely micaceous, pyritiferous, fossiliferous (Foraminifera)	15	356
<i>Robulus</i> cf. <i>R. degolyeri</i> , <i>Cibicides praecursorius</i> , <i>Cibicides howelli</i> at 341-356.		

	Thickness (feet)	Depth (feet)
Limestone: as above, very sandy at depth	129	485

Discorbis midwayensis, *Robulus midwayensis*, *Globulina gibba* var., *Eponides lotus*, *Cibicides praecursorius* at 356-371.

Upper Cretaceous: Post-Tuscaloosa (Undifferentiated):

Limestone and sand: as above; marl, bluish-gray, silty, micaceous, pyritiferous, fossiliferous (macrofossils, Ostracods, and Foraminifera)	9	494
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Anomalina pseudopapillosa at 485-494.

Indurated sand: fine-grained, glauconitic, micaceous, fossiliferous (macroshells, Ostracods, and Foraminifera); marl, as above	45	539
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Marl: bluish-gray, silty, micaceous; pyritiferous, fossiliferous (macroshells and microfossils)	489	1,028
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Planulina taylorensis at 936-952.

Summary:

Residuum	62	62
Middle Eocene (Claiborne group, undifferentiated)	145	207
Lower Eocene (Wilcox group, undifferentiated)	89	296
Paleocene (Clayton formation)	189	485
Upper Cretaceous (post-Tuscaloosa, undifferentiated)	543	1,028

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	115	207
Sand: fine to coarse-grained	29	310
Limestone	129	485