

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: gray to cream to light-brown at depth, rather massive, nodular, crystalline, somewhat saccharoidal, much calcitized, fossiliferous (casts and molds of Gastropods, some bryozoan remains and Foraminifera)	110	510
<i>Pyrgo</i> sp. at 400-410.		
<i>Quinqueloculina</i> sp., <i>Rotalia mexicana</i> var. at 410-420.		
<i>Dictyoconus</i> sp. ² at 420-430.		

Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: as above, but light-gray and more calcitized at depth, fossiliferous (bryozoan remains and abundant Foraminifera)	90	600
<i>Lepidocyclina</i> sp., <i>Operculinoides floridensis</i> at 510-520.		
<i>Asterocyclina</i> sp., <i>Operculinoides</i> sp. abundant at 530-540.		

Summary:

Miocene (undifferentiated)	400	400
Oligocene (undifferentiated)	110	510
Upper Eocene (Ocala limestone)	90	600

Potential Water-Bearing Zones:

Limestone	200	600
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COFFEE COUNTY

Location: 200 ft. from north line, 2,000 ft. from east line of Land Lot 275, 1st Land District Well No.: GGS 445
 Owner: No. 1-A Nina McLean Elev.: 193
 Driller: Carpenter Oil Company
 Drilled: August 1954

	Thickness (feet)	Depth (feet)
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Miocene (Undifferentiated):

Sand: fine to coarse-grained, angular, arkosic; interbedded clay, light-gray to pale-green, sandy, phosphatic and fossiliferous at depth (macroshells)	200	200
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²Reworked (?) fossil of middle Eocene age.

	Thickness (feet)	Depth (feet)
Limestone: white, dense, sandy, phosphatic, fossiliferous at certain levels (casts and molds of megafossils).....	90	290
Oligocene (Undifferentiated):		
Limestone: light-gray, massive, highly calcitized and crystalline, somewhat sandy, fossiliferous (some megafossils, bryozoan remains, and Foraminifera).....	110	400
<i>Quinqueloculina</i> sp., <i>Rotalia mexicana</i> var., <i>Gypsina globula</i> ¹ at 300-310.		
White, somewhat soft and granular limestone carrying <i>Lepidocyclina</i> ¹ sp. at 340-350.		
<i>Lepidocyclina</i> ¹ sp. at 380-390.		
In Upper Eocene: Jackson Group: Ocala Limestone:		
Limestone: cream, somewhat soft and granular, fossiliferous (some bryozoan remains and Foraminifera); considerable limestone, as above.....	50	450
<i>Lepidocyclina</i> sp., <i>Robulus arcuato-striatus</i> var., <i>Gypsina globula</i> at 400-410.		
<i>Operculinoides floridensis</i> common at 430-440.		
Limestone: white, much calcitized, rather granular and loosely consolidated at depth, very fossiliferous, some macroshells, bryozoan remains, and abundant Foraminifera.....	125	575
<i>Operculinoides floridensis</i> and <i>Asterocyclina nassauensis</i> common at 500-510.		
Limestone: as above; interbedded dolomitic(?) limestone, brown, saccharoidal.....	100	675
Middle Eocene: Claiborne Group: Lisbon Formation:		
Limestone: cream, much calcitized, granular, cherty at certain levels, fossiliferous (echinoid and bryozoan remains and some Foraminifera).....	155	830
Tallahatta Formation:		
Limestone: as above but glauconitic; interbedded brown limestone, saccharoidal, somewhat dolomitized?, glauconitic.....	85	915
<i>Operculinoides</i> sp., <i>Lepidocyclina</i> sp. at 840-850.		

¹Reworked(?) fossil of middle Eocene age.

	Thickness (feet)	Depth (feet)
Limestone: white to light-gray, rather massive, crystalline, glauconitic, sandy, fossiliferous (fragments and impressions of megafossils)	95	1,010
Lower Eocene: Wilcox Group (Undifferentiated):		
Indurated sand to white limestone at depth: fine to medium-grained, subangular grains, coarsely but rather abundantly glauconitic; interbedded brown limestone, dark-brown, saccharoidal, glauconitic; sand, fine to coarse-grained, subangular	135	1,145
Indurated sand: light-gray, fine-grained, glauconitic, micaceous; interbedded beds of clay, greenish-gray, laminated, micaceous; limestone, dark-gray, dense, crystalline, sandy, finely glauconitic	85	1,230
Paleocene: Midway Group: Clayton Formation:		
Limestone: light-gray, somewhat nodular, dense, crystalline, fossiliferous (fragments and molds of Gastropods)	60	1,290
Sand: fine to coarse-grained, subangular, indurated at certain levels; interbedded limestone, as above	230	1,520
Upper Cretaceous (Undifferentiated):		
Sand: fine to coarse-grained, indurated at certain levels, micaceous, pyritiferous; interbedded marl, gray, silty, somewhat chalky, micaceous, fossiliferous at certain levels (macroshells, Ostracods, and Foraminifera)	383	1,903
<i>Anomalina pseudopapillosa</i> at 1520-1530.		
<i>Gaudryina rudita</i> at 1670-1680.		
<i>Loxostoma plaitum</i> at 1680-1690.		
Summary:		
Miocene (undifferentiated)	290	290
Oligocene (undifferentiated)	110	400
In upper Eocene (Ocala limestone)	275	675
Middle Eocene (Lisbon formation)	155	830
Middle Eocene (Tallahatta formation)	180	1,010
Lower Eocene (Wilcox group, undifferentiated)	220	1,230
Paleocene (Clayton formation)	290	1,520
Upper Cretaceous (undifferentiated)	383	1,903

	Thickness (feet)	Depth (feet)
Potential Water-Bearing Zones:		
Limestone	275	575
Limestone	155	830

COLQUITT COUNTY

Location: 80 ft. south of First Avenue at Water Works in Moultrie
 Owner: No. 4 City of Moultrie
 Driller: Stevens Southern Drilling Company
 Drilled: October 1943

Well No.: GGS 22
 Elev.: 308

	Thickness (feet)	Depth (feet)
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Pliocene to Recent (Undifferentiated):

Sand: fine to coarse-grained, subangular; clay, dark-gray to black, sandy, lignitic, limonitic	10	10
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Miocene (Undifferentiated):

Sand: fine-grained, phosphatic (finely disseminated); some clay, yellowish-green, somewhat indurated, tough	83	93
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Clay: dark-green, somewhat indurated, blocky, sandy; interbedded limestone, white, to light-brown (latter dolomitized, saccharoidal), rather massive, sandy	282	375
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Limestone: white to light-brown (latter dolomitized, saccharoidal), massive, somewhat saccharoidal, sandy	95	470
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Dolomitic limestone: dark-brown, massive, saccharoidal	25	495
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Oligocene (Undifferentiated):

Limestone: light-gray to brown, nodular, crystalline, dense, much calcitized, fossiliferous (Ostracods and abundant Foraminifera); interbedded dolomitic limestone, dark-brown, saccharoidal, massive	50	545
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Rotalia mexicana var., *Asterigerina* sp., *Lepidocyclina* sp. at 495-505.

Upper Eocene: Jackson Group: Ocala Limestone:

Dolomitic limestone: light-brown, saccharoidal, massive	155	700
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