

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

	Thickness (feet)	Depth (feet)
Summary:		
Miocene (undifferentiated)	290	290

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	10	110
Dolomitic limestone	40	280

Remarks:

Dolomitic limestone yields mineralized water. The above well should have been drilled deeper in order to obtain water from Oligocene and upper Eocene limestones.

COFFEE COUNTY

Location: In Nicholls
 Owner: City of Nicholls
 Driller: M. M. Gray Drilling Company
 Drilled: 1955

Well No.: GGS 434
 Elev.: 180¹

	Thickness (feet)	Depth (feet)
Miocene (Undifferentiated):		
Clay: bluish-gray to red (mottled) sandy, limonitic	30	30
Sand: fine to coarse-grained, angular, arkosic	40	70
Clay: pale-green, sandy, phosphatic at depth; interbedded sand, fine to medium-grained, angular	110	180
Clay: light-gray to pale-green, blocky, sandy, phosphatic	110	290
Limestone: white, dense, crystalline, much calcitized, sandy	30	320
Clay: as above, but somewhat sandier	30	350
Limestone: white, dense, crystalline, much calcitized, sandy, phosphatic, fossiliferous (casts and molds of megafossils)	20	370
No. samples	20	390
Limestone: as above	10	400

¹Average elevation taken from State Highway map.

	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.