

**GEORGIA**  
**STATE DIVISION OF CONSERVATION**  
DEPARTMENT OF MINES, MINING AND GEOLOGY  
GARLAND PEYTON, Director

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**THE GEOLOGICAL SURVEY**  
Bulletin Number 70

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**WELL LOGS OF THE**  
**COASTAL PLAIN OF GEORGIA**

by

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Prepared cooperatively by the U. S. Geological Survey

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**ATLANTA**  
**1961**

## Remarks:

More copious water supplies may be obtained by drilling deeper (than 180) into the water-bearing, underlying limestones of Oligocene and upper Eocene age.

## CLINCH COUNTY

Location: 17 mi. south of Homerville, Land Lot 200, 12th Land District  
 Well No.: GGS 124  
 Owner: No. 1 Gillican  
 Driller: Georgia Resources Company  
 Drilled: 1940  
 Elev.: 187

	Thickness (feet)	Depth (feet)
No samples .....	248	248
<b>In Miocene (Undifferentiated):</b>		
Clay: dark-green, blocky, sandy .....	14	262
No samples .....	12	274
Sand: fine to coarse-grained, angular, somewhat arkosic, phosphatic .....	51	325
Clay: light-gray, sandy .....	3	328
Limestone: white, dense, sandy .....	22	350
Sand: fine to medium-grained, angular, phosphatic .....	10	360
Limestone: white, dense, sandy .....	10	370
Sand: as above, interbedded dolomitic limestone, light-brown, saccharoidal .....	75	445
<b>Oligocene (Undifferentiated):</b>		
Limestone: cream; nodular, considerably calcitized, fossiliferous (macroshells, echinoid and bryozoan remains, and some Foraminifera) .....	75	520
<b>Upper Eocene: Jackson Group: Ocala Limestone:</b>		
Limestone: cream, fossiliferous (megafossils, echinoid and bryozoan remains, and Foraminifera) .....	180	700
<i>Asterocyclina</i> sp., <i>Operculinoides</i> sp., <i>Heterostegina</i> sp., <i>Gypsina globula</i> at 520.		
<i>Camerina striatoreticulata</i> , <i>Amphistegina pinarensis</i> var. at 690-700.		

	Thickness (feet)	Depth (feet)
Dolomitic limestone: light-brown, saccharoidal .....	23	723
No samples .....	72	795

#### In Middle Eocene: Claiborne Group (Undifferentiated):

Dolomitic limestone: light to dark-brown, saccharoidal, gypsiferous at certain horizons; interbedded limestone, gray to cream, fossiliferous at certain levels (Foraminifera)..... 397 1,192

*Cribratulina floridana* at 862-868.

Limestone: cream to light-brown (latter dolomitic at certain levels), much calcitized, crystalline, cherty, fossiliferous (abundant Foraminifera at certain horizons)..... 315 1,507

#### Summary:

No samples .....	248	248
In Miocene (undifferentiated) .....	197	445
Oligocene (undifferentiated) .....	75	520
Upper Eocene (Ocala limestone) .....	203	723
No samples .....	72	795
In middle Eocene (Claiborne group, undifferentiated) .....	712	1,507

#### Potential Water-Bearing Zones:

Limestone .....	255	700
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#### Remarks:

The rocks below depth of 700 are predominantly gypsiferous dolomitic limestones, which yield mineralized water. Wells, therefore, should not be drilled below 700 in this area.

#### COFFEE COUNTY

Location: 75 ft. southeast of school building in Ambrose      Well No.: GGS 236  
 Owner: No. 1 Ambrose School      Elev.: 310  
 Driller: H. B. Truluck  
 Drilled: September 1951

	Thickness (feet)	Depth (feet)
<b>Miocene (Undifferentiated):</b>		
Clay: bluish-gray to red (mottled), sandy, limonitic .....	20	20
Sand: fine to medium-grained, angular.....	20	40