

**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**

	Thickness (feet)	Depth (feet)
<b>Lower Cretaceous(?) (Undifferentiated):</b>		
Sand: fine-grained, highly micaceous; interbedded clay, green to red, sandy, micaceous .....	102	4,348

**Basement Complex (Undifferentiated):**

Crystalline rock .....	27	4,375
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**Summary:**

No samples .....	120	120
In Miocene (undifferentiated) .....	465	585
Oligocene (undifferentiated) .....	15	600
Upper Eocene (Ocala limestone) .....	265	865
Middle Eocene (Claiborne group, undifferentiated) .....	1,190	2,055
Lower Eocene (Wilcox group, undifferentiated) .....	170	2,225
Paleocene (Clayton formation) .....	495	2,720
Upper Cretaceous (post-Tuscaloosa, undifferentiated) .....	1,155	3,875
Upper Cretaceous (Tuscaloosa formation) .....	371	4,246
Lower Cretaceous(?) (undifferentiated) .....	102	4,348
Basement complex (undifferentiated) .....	27	4,375

**Potential Water-Bearing Zones:**

Limestone .....	220	820
Sand: fine to coarse-grained .....	135	1,000
Limestone .....	200	1,200
Sand: fine to coarse-grained .....	65	2,200

**PIERCE COUNTY**

Location: 2.3 mi. northeast of Offerman, Land Lot 332, 4th Land District  
 Well No.: GGS 120  
 Elev.: 75  
 Owner: No. 1 Donald Clark  
 Driller: W. B. Hinton  
 Drilled: May 1939

	Thickness (feet)	Depth (feet)
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**Summary:**

No samples .....	111	111
In Miocene (undifferentiated) .....	539	650
Oligocene (undifferentiated) .....	51	701
Upper Eocene (Ocala limestone) .....	174	875
Middle Eocene (Claiborne group, undifferentiated) .....	1,220	2,095
Lower Eocene (Wilcox group, undifferentiated) .....	290	2,385

	Thickness (feet)	Depth (feet)
Paleocene (Clayton formation) .....	365	2,750
Cretaceous (undifferentiated) .....	1,598	4,348
First observed <i>Globotruncana</i> sp. at 2747-2778.		
First observed <i>Anomalina henbesti</i> at 3322-3353.		
First observed <i>Planulina texana</i> at 3414-3444.		
First observed <i>Kyphopyxa christneri</i> at 3444-3474.		
First observed <i>Vaginulina texana</i> at 3598-3629.		
Basement complex (undifferentiated) .....	7	4,355

**Remarks:**

Samples of poor quality. Formational tops noted above are approximate.

**PIERCE COUNTY**

Location: In Patterson  
 Owner: No. 1 J. C. Echols  
 Driller: Layne-Atlantic Company  
 Drilled: 1955

Well No.: GGS 465.  
 Elev.: 105<sup>1</sup>

	Thickness (feet)	Depth (feet)
<b>Pliocene to Recent (Undifferentiated):</b>		
Sand: fine to medium-grained, finely disseminated phosphatic grains; interbedded clay, gray to tan to purple (mottled), sandy .....	30	30
Sand: fine to coarse-grained, angular, arkosic .....	115	145
<b>In Miocene (Undifferentiated):</b>		
Clay: dark-green, sandy, phosphatic; interbedded sand, fine to coarse-grained .....	50	195
Black, phosphatic pebbles prominent at 165-175.		
Clay: dark-green, sandy, phosphatic .....	115	310
Dolomitic limestone: light-brown, saccharoidal, sandy, phosphatic; some limestone, white, dense, much calcitized, sandy .....	20	330
Sand: fine to coarse-grained, phosphatic .....	80	410
Limestone: white, dense, much calcitized, sandy, phosphatic; interbedded sand, fine to coarse-grained, phosphatic; dolomitic limestone, light-brown, saccharoidal, sandy, phosphatic; clay, dark-green, sandy, phosphatic .....	80	490

<sup>1</sup>Average elevation based on Georgia State Highway Maps.