

**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

**Stephen M. Herrick, Geologist**  
United States Geological Survey



Prepared cooperatively by the U. S. Geological Survey

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**ATLANTA**  
**1961**

## BEN HILL COUNTY

Location: Land Lot 120, 3rd Land District  
 Owner: No. 1 W. A. Pope  
 Driller: W. B. Graham  
 Drilled: 1947

Well No.: GGS 160  
 Elev.: 370<sup>1</sup>

	Thickness (feet)	Depth (feet)
<b>Miocene: Hawthorn Formation:</b>		
Clay: light-gray to pale-green, sandy; and sand, fine to coarse-grained .....	190	190
<b>Tampa Limestone:</b>		
Limestone: white, sandy, interbedded with thin stringers of sand and an occasional clay bed .....	70	260
Clay, light-gray, calcareous, at 230-340.		
<b>Oligocene (Undifferentiated):</b>		
Limestone: cream to white, rather dense, nodular, fossiliferous (some Foraminifera) .....	100	360
<i>Rotalia byramensis</i> at 260-270.		
<i>Dictyoconus</i> <sup>2</sup> sp. at 340-350.		
<b>Upper Eocene: Jackson Group: Ocala Limestone:</b>		
Limestone, <sup>3</sup> as above .....	20	380
<i>Operculinoides floridensis</i> , <i>Lepidocyclina</i> sp. at 360-370.		
<b>Summary:</b>		
Miocene (Hawthorn formation) .....	190	190
Miocene (Tampa limestone) .....	70	260
Oligocene (undifferentiated) .....	100	360
Upper Eocene (Ocala limestone) .....	20	380
<b>Potential Water-Bearing Zones:</b>		
Limestone .....	90	380

<sup>1</sup>Elevation taken from State Highway map.

<sup>2</sup>Reworked (?) fossil of middle Eocene age.

	Thickness (feet)	Depth (feet)
<b>Oligocene (Undifferentiated):</b>		
Limestone: white to light-gray, extremely dense and crystalline, cherty, sandy, fossiliferous (some echinoid and bryozoan remains and Foraminifera) .....	94	350
<i>Rotalia mexicana</i> var. at 256-263.		
<i>Gypsina globula</i> <sup>1</sup> at 263-275.		

**Upper Eocene: Jackson Group: Ocala Limestone:**

Limestone: cream, relatively soft, somewhat calcitized and granular, fossiliferous (echinoid and bryozoan remains and Foraminifera) .....	280	630
<i>Operculinoides floridensis</i> at 350-360.		
<i>Camerina striatoreticulata</i> at 600-615.		
Limestone: as above, interbedded with dolomitic(?) limestone, light-brown, saccharoidal .....	95	725
<i>Amphistegina pinarensis</i> var. at 630-645.		

**Middle Eocene(?): Claiborne Group (Undifferentiated):**

Limestone: cream, nodular, much calcitized, very sandy, fossiliferous (some bryozoan remains and Foraminifera) .....	14	739
<i>Lepidocyclina</i> sp. at 725-739.		

**Summary:**

Miocene (Hawthorn formation) .....	210	210
Miocene (Tampa limestone) .....	46	256
Oligocene (undifferentiated) .....	94	350
Upper Eocene (Ocala limestone) .....	375	725
Middle Eocene(?) (Claiborne group, undifferentiated) .....	14	739

**Potential Water-Bearing Zones:**

Limestone .....	280	630
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<sup>1</sup>Reworked (?) fossil of middle Eocene age.