

**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

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



Prepared cooperatively by the U. S. Geological Survey

---

**ATLANTA**  
**1961**

## BAKER COUNTY

Owner: No. 1 West Baker Elementary School  
 Drilled: 1956

Well No.: GGS 479

	Thickness (feet)	Depth (feet)
<b>Residuum:</b>		
Sand: fine to coarse-grained, angular; fragments of residual limestone .....	10	10
Clay: gray, tan and red, sandy, limonitic, carbonaceous; fragments of residual limestone .....	70	80
<b>Upper Eocene: Jackson Group: Ocala Limestone:</b>		
Limestone: dense, much calcitized, sandy, coarsely glauconitic, and fossiliferous at depth; some clay as above .....	114	194
Limestone with macrofossils at 95-194.		

## Summary:

Residuum .....	80	80
Upper Eocene (Ocala limestone) .....	114	194

## Potential Water-Bearing Zones:

Limestone .....	114	194
-----------------	-----	-----

## BEN HILL COUNTY

Location: City of Fitzgerald  
 Owner: City of Fitzgerald Well No. 3  
 Driller: Layne-Atlantic Company  
 Drilled: April 1948

Well No.: GGS 154  
 Elev.: 357

	Thickness (feet)	Depth (feet)
<b>Miocene: Hawthorn Formation:</b>		
Sand: fine to coarse-grained; some clay, light-gray to red (mottled), sandy .....	74	74
Clay: pale-green, sandy; some sand as above .....	186	210
<b>Tampa Limestone:</b>		
Limestone: white, sandy, fossiliferous (macroshells and rare Foraminifera); some clay, light-gray, calcareous .....	46	256
<i>Sorites</i> sp. at 240-256.		

	Thickness (feet)	Depth (feet)
--	---------------------	-----------------

**Oligocene (Undifferentiated):**

Limestone: white to light-gray, extremely dense and crystalline, cherty, sandy, fossiliferous (some echinoid and bryozoan remains and Foraminifera) .....	94	350
---	----	-----

*Rotalia mexicana* var. at 256-263.*Gypsina globula*<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
---	-----	-----

*Operculinoides floridensis* at 350-360.*Camerina striatoreticulata* at 600-615.

Limestone: as above, interbedded with dolomitic(?) limestone, light-brown, saccharoidal .....	95	725
---	----	-----

*Amphistegina pinarensis* var. at 630-645.**Middle Eocene(?): Claiborne Group (Undifferentiated):**

Limestone: cream, nodular, much calcitized, very sandy, fossiliferous (some bryozoan remains and Foraminifera) .....	14	739
--	----	-----

*Lepidocyclina* 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
-----------------	-----	-----

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