

**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**

## MITCHELL COUNTY

Location: 1.7 mi. northeast of Cotton, 0.1 mi. north of Highway 93  
 Well No.: GGS 400  
 Elev.: 340<sup>1</sup>  
 Owner: No. 1 Cotton Consolidated Elementary School  
 Drilled: October 1954

|   | Thickness<br>(feet) | Depth<br>(feet) |
|---|---------------------|-----------------|
| <b>Miocene (Undifferentiated):</b>  |                     |                 |
| Clay: bluish-gray to purple (mottled), sandy, limonitic.....                | 23                  | 23              |
| Clay: tan to olive-green, sandy, limonitic.....                             | 41                  | 64              |
| Clay: yellowish-green, sandy, phosphatic (finely disseminated)...           | 51                  | 115             |
| Dolomitic limestone: light-brown, rather dense.....                         | 13                  | 128             |
| Clay: dark-green, sandy; interbedded limestone, white, dense,<br>sandy..... | 80                  | 208             |
| Limestone: white, dense, sandy, dolomitized and brown at<br>depth.....      | 108                 | 316             |
| <b>Summary:</b>   |                     |                 |
| Miocene (undifferentiated).....   | 316                 | 316             |
| <b>Potential Water-Bearing Zones:</b>                                       |                     |                 |
| Limestone.....  | 108                 | 316             |

**Remarks:**

Better aquifers occur below total depth (316) of above well.

## MITCHELL COUNTY

Location: 10.5 mi. southwest of Camilla via Highway 97 to junction with county road, then 0.12 mi. west via county road to site which is 0.1 mi. north of county road  
 Well No.: GGS 417  
 Owner: No. 1 Oak Grove Elementary School  
 Driller: Layne-Atlantic Company  
 Drilled: March 1955

|   | Thickness<br>(feet) | Depth<br>(feet) |
|---|---------------------|-----------------|
| <b>Residuum:</b>  |                     |                 |
| Clay: mottled, sandy, limonitic, fragments of residual lime-<br>stone at depth..... | 38                  | 38              |

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

|  | Thickness<br>(feet) | Depth<br>(feet) |
|--|---------------------|-----------------|
| Clay: dark-brown, sandy, limonitic; residual limestone, as above | 20                  | 58              |
| No samples   | 5                   | 63              |

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

|  |    |    |
|--|----|----|
| Limestone: somewhat leached but soft, porous, fossiliferous<br>(some Foraminifera) | 21 | 84 |
|--|----|----|

*Camerina* cf. *C. striatoreticulata* at 63-84.

**Summary:**

|                                   |    |    |
|-----------------------------------|----|----|
| Residuum                          | 58 | 58 |
| No samples                        | 5  | 63 |
| In upper Eocene (Ocala limestone) | 21 | 84 |

**Potential Water-Bearing Zones:**

|           |    |    |
|-----------|----|----|
| Limestone | 21 | 84 |
|-----------|----|----|

**MITCHELL COUNTY**

Location: In Camilla

Well No.: GGS 564

Owner: No. 4 City of Camilla

Elev.: 180'

Driller: Layne-Atlantic Company

|  | Thickness<br>(feet) | Depth<br>(feet) |
|--|---------------------|-----------------|
| <b>Residuum:</b>   |                     |                 |
| Clay: light-gray to tan to pink (mottled), very sandy, limonitic | 25                  | 25              |
| Clay: dark-brown to olive-green, lignitic, sandy, limonitic      | 21                  | 46              |
| Limonitic bed: dark-brown, dense                                 | 4                   | 50              |

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

|  |     |     |
|--|-----|-----|
| Limestone: yellow to tan at depth, calcitized, more calcitized<br>and crystalline with depth, fossiliferous (macroshells, echi-<br>noid and bryozoan remains, Ostracods, and Foraminifera) | 291 | 341 |
|--|-----|-----|

*Operculina mariannensis* at 50-61.

*Heterostegina ocalana*, *Gypsina globula*, *Lepidocyclina* sp.  
at 101-115.

*Camerina striatoreticulata* at 115-135.

*Amphistegina pinarensis* var. at 255-263.

*Lepidocyclina* sp. common at 330-337.

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