

**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)
Sand: fine to coarse-grained, subangular, more indurated at depth, phosphatic, fossiliferous (a coquina at certain levels).....	40	430

**Oligocene (Undifferentiated):**

Limestone: light-gray, somewhat reddish-brown to cream at depth, nodular, very sandy, sparsely phosphatic, fossiliferous (echinoid and bryozoan remains, Ostracods, and Foraminifera at certain levels).....	90	520
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*Rotalia mexicana* var. at 440-450.

*Quinqueloculina* sp., *Elphidium* sp., *Rotalia mexicana* var. at 450-460.

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

Limestone: reddish-brown to cream, rather soft and chalky, somewhat granular at depth, fossiliferous (common to abundant echinoid and bryozoan remains and Foraminifera).....	27	547
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*Camerina striatoreticulata*, *Lepidocyclina* sp. at 520-530.

*Camerina striatoreticulata* abundant at 530-547.

**Summary:**

Miocene (undifferentiated) .....	430 <sup>1</sup>	430
Oligocene (undifferentiated) .....	90	520
Upper Eocene (Ocala limestone).....	27	547

**Potential Water-Bearing Zones:**

Limestone .....	107	547
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**MONTGOMERY COUNTY**

Location: Near Ailey

Well No.: GGS 515

Owner: No. 1 Ailey Elementary and High School

Elev.: 253<sup>1</sup>

Driller: Scott Brothers

Drilled: 1955

	Thickness (feet)	Depth (feet)
<b>Miocene (Undifferentiated):</b>		
Clay: pale-green to mottled, sandy; interbedded sand, fine to medium-grained, subangular, phosphatic.....	315	315

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

	Thickness (feet)	Depth (feet)
<b>Oligocene (Undifferentiated):</b>		
Limestone: light-gray, nodular, extremely dense and crystalline, very sandy, somewhat cherty, sparsely phosphatic, fossiliferous (some echinoid and bryozoan remains, and Foraminifera) .....	65	380
<i>Rotalia mexicana</i> var., <i>Asterigerina</i> sp. at 315-320.		
<i>Gypsina globula</i> <sup>2</sup> , <i>Quinqueloculina</i> sp., <i>Rotalia mexicana</i> var., <i>Asterigerina</i> sp. at 320-330.		

Limestone: as above, but reddish-brown .....	20	400
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**Upper Eocene: Jackson Group: Ocala Limestone:**

Limestone: cream, rather soft and chalky, somewhat granular at depth, fossiliferous (echinoid and bryozoan remains and Foraminifera) .....	112	512
<i>Lepidocyclina</i> sp. common at 400-410.		
<i>Gypsina globula</i> common at 410-420.		
<i>Lepidocyclina</i> <sup>3</sup> sp. common to abundant at 450-460.		

**Summary:**

Miocene (undifferentiated) .....	315	315
Oligocene (undifferentiated) .....	85	400
Upper Eocene (Ocala limestone) .....	112	512

**Potential Water-Bearing Zones:**

Limestone .....	132	512
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**MONTGOMERY COUNTY**

Location: Approximately 6 mi. south of Soperton      Well No.: GGS 600  
 on U.S. Highway 221 (State Highway 56)  
 Owner: No. 1 C. H. Goff  
 Driller: M. M. Gray Well Drilling Company  
 Drilled: 1959

	Thickness (feet)	Depth (feet)
<b>Miocene (Undifferentiated):</b>		
Clay: pale-yellowish-green with red to purple streaks (mottled), very sandy, limonitic .....	50	50
Sand: fine to medium-grained, subangular, arkosic .....	55	105

<sup>2</sup>Reworked (?) fossil of middle Eocene age.<sup>3</sup>Probably *Lepid. chapieri*.