

**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>In Upper Eocene: Jackson Group: Ocala Limestone:</b>		
Limestone: cream, calcitized, granular (in texture), fossiliferous at certain levels (bryozoan remains and Foraminifera) .....	260	650
<i>Lepidocyclina chaperi</i> at 397-419.		
<i>Lepidocyclina ocalana</i> at 541-551.		
<i>Ampistegina pinarensis</i> var. at 582-595.		

**Summary:**

Miocene (undifferentiated) .....	212	212
Oligocene (undifferentiated) .....	178	390
In upper Eocene (Ocala limestone) .....	260	650

**Potential Water-Bearing Zones:**

Limestone .....	438	650
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**TWIGGS COUNTY**

Location: Approximately 3.5 mi. east of Huber; 2.5 mi. east of U.S. Highway 129, and 1.5 mi. south of a cross-roads at machine shop

Well No.: GGS 354  
Elev.: 507'

Owner: J. M. Huber Company  
Driller: Southeastern Drilling Company  
Drilled: August 1953

	Thickness (feet)	Depth (feet)
<b>Upper Eocene: Jackson Group: Barnwell Formation:</b>		
Clay: red, very sandy, limonitic .....	20	20
Clay: yellowish-green, carbonaceous, blocky .....	30	50
Limestone: white, somewhat leached, sandy at depth, fossiliferous (macroshells, echinoid and abundant bryozoan remains) .....	40	90
Sand: fine to coarse-grained, angular; inclusions of kaolin, white, micaceous .....	20	110

**Upper Cretaceous: Tuscaloosa Formation:**

Sand: fine to coarse-grained, angular .....	30	140
Kaolin: white to dark-gray, micaceous, carbonaceous, sandy .....	20	160
Sand: fine to coarse-grained, angular .....	25	185

	Thickness (feet)	Depth (feet)
<b>Summary:</b>		
Upper Eocene (Barnwell formation).....	110	110
Upper Cretaceous (Tuscaloosa formation).....	75	185

**Potential Water-Bearing Zones:**

None because static water level is below total depth of well.

**TWIGGS COUNTY**

Location: Few hundred yards south of Well 354  
 Owner: J. M. Huber Company  
 Driller: Layne-Atlantic Company  
 Drilled: October 1953

Well No.: GGS 360  
 Elev.: 470

	Thickness (feet)	Depth (feet)
<b>Upper Eocene: Jackson Group: Barnwell Formation:</b>		
Clay: olive-green to red (mottled), very sandy, limonitic.....	15	15
Clay: yellowish-green, sandy; fragments of limestone.....	17	32
Limestone: white, very sandy.....	14	46
Sand: fine to coarse-grained, somewhat arkosic.....	60	106
<b>Upper Cretaceous: Tuscaloosa Formation:</b>		
Sand: fine to coarse-grained, angular; interbedded clay (or kaolin) .....	230	336
Kaolin: white, micaceous.....	6	342

**Summary:**

Upper Eocene (Barnwell formation).....	106	106
Upper Cretaceous (Tuscaloosa formation).....	236	342

**Potential Water-Bearing Zones:**

Sand: fine to coarse-grained.....	60	260
Sand: fine to coarse-grained.....	31	305
Sand: fine to coarse-grained.....	18	336

**Remarks:**

Well samples of poor quality.