

**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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United States Geological Survey



Prepared cooperatively by the U. S. Geological Survey

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**ATLANTA**  
**1961**

## DOUGHERTY COUNTY

Location: 2.6 mi. west of Dougherty-Worth County  
line and 0.75 mi. south of Atlantic Coast Line R.R.  
Owner: No. 2 U.S. Marine Corps  
Driller: Layne-Atlantic Company  
Drilled: March 1952

Well No.: GGS 290  
Elev.: 258

	Thickness (feet)	Depth (feet)
<b>Summary:</b>		
Residuum .....	70	70
Upper Eocene (Ocala limestone) .....	260	330
Middle Eocene (Lisbon formation) .....	100	430
Middle Eocene (Tallahatta formation) .....	240	670
Lower Eocene (Wilcox group, undifferentiated) .....	150	820
Paleocene (Clayton formation) .....	217	1,037

## Potential Water-Bearing Zones:

Limestone .....	245	315
Sand: fine to coarse-grained .....	36	406
Sand: fine to coarse-grained .....	28	498
Sand: fine to coarse-grained .....	64	572
Sand: fine to coarse-grained .....	50	630
Sand: fine to coarse-grained .....	18	668
Limestone .....	90	1,000
Sand: fine to coarse-grained .....	18	1,026

## Remarks:

Cuttings of extremely poor quality.

## DOUGHERTY COUNTY

Location: In Albany  
Owner: No. 15 City of Albany  
Driller: Layne-Atlantic Company  
Drilled: November 1954

Well No.: GGS 405  
Elev.: 197

	Thickness (feet)	Depth (feet)
<b>Residuum:</b>		
Sand: fine to coarse-grained; some residual limestone, yellow, dense (much calcitized), fossiliferous (macroshells, echi- noid and bryozoan remains, and Foraminifera) .....	20	20

	Thickness (feet)	Depth (feet)
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**Upper Eocene: Jackson Group: Ocala Limestone:**

Limestone: cream, saccharoidal (much calcitized), somewhat sandy, fossiliferous (Foraminifera at certain horizons).....	130	150
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*Camerina striatoreticulata* at 50-60.**Middle Eocene: Claiborne Group: Lisbon Formation:**

Limestone: white to bluish-gray, granular (in texture), sandier with increased depth, finely phosphatic, sparsely but coarsely glauconitic, fossiliferous (macroshells, abundant bryozoan remains, Ostracods, and some Foraminifera); interbedded marl, light-gray, fossiliferous (bryozoan remains and Foraminifera) .....	35	185
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*Cibicides pseudoungerianus* var. *lisbonensis*, *Cibicides westi* at 160-170.*Asterocyclus monticellensis*, *Operculinoides* sp. at 190-200.

Limestone: as above, but sandier at depth .....	25	210
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**Tallahatta Formation:**

Sand: fine to coarse-grained; some limestone, as above.....	35	245
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*Cibicides tallahattensis* at 230-240.

Limestone: bluish-gray, dense (much calcitized), sandy, coarsely but sparsely glauconitic, fossiliferous (abundant coquina and bryozoan remains); interbedded marl, light-gray, fossiliferous (Foraminifera) .....	75	320
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*Cibicides tallahattensis*, *Cibicides blanpiedi* at 261-270.

Sand: fine to coarse-grained, phosphatic; interbedded marl, dark-gray, silty, micaceous, fossiliferous (Foraminifera); limestone, white, crystalline (much calcitized), sandy, coarsely glauconitic, phosphatic, fossiliferous (macroshells).....	92	412
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Marl: dark-brown, fissile, carbonaceous, micaceous, fossiliferous (Foraminifera); interbedded sand, fine to coarse-grained, phosphatic .....	28	440
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Claystone: dark-gray, dense, somewhat cherty, sandy, abundantly glauconitic .....	4	444
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	Thickness (feet)	Depth (feet)
<b>Lower Eocene: Wilcox Group (Undifferentiated):</b>		
Marl: dark-gray, carbonaceous, micaceous, pyritiferous, fossiliferous (Foraminifera) .....	4	448
Sand: fine to medium-grained, abundantly glauconitic; interbedded marl, dark-gray, carbonaceous, micaceous, pyritiferous, fossiliferous .....	19	467
<i>Valvulineria wilcoxensis</i> , <i>Valvulineria scrobiculata</i> , <i>Eponides dorfi</i> , <i>Alabama wilcoxensis</i> , <i>Siphonina wilcoxensis</i> , <i>Cibicides howelli</i> at 445-450.		
Marl: dark-gray, silty, micaceous, pyritiferous .....	51	518
Sand: fine to coarse-grained, angular, with grains of pale-green quartz; interbedded marl, dark-gray, fissile, micaceous, carbonaceous, pyritiferous .....	52	570
<b>Paleocene: Midway Group: Clayton Formation:</b>		
Limestone: white, dense (much calcitized), sandy, coarsely glauconitic, fossiliferous (casts and molds of macroshells, echinoid and bryozoan remains, and some Foraminifera) .....	4	574
<i>Operculinoides catenula</i> , <i>Robulus midwayensis</i> at 570-580.		
Sand: fine grained, indurated at certain horizons, finely glauconitic; interbedded marl, black, fissile, micaceous, carbonaceous, fossiliferous (some Foraminifera) .....	24	598
Limestone: light-gray, crystalline (much calcitized), sandy, coarsely glauconitic, pyritiferous, fossiliferous (fragments and molds of macroshells, bryozoan remains, Ostracods, and Foraminifera) .....	108	706
Sand: fine to coarse-grained, angular; interbedded marl, light-gray, silty, micaceous; some limestone, as above .....	30	736
<b>Upper Cretaceous: Providence and Ripley Formations (Undifferentiated):</b>		
Marl: light-gray, silty, chalky, micaceous, pyritiferous, fossiliferous (macroshells, Ostracods, and Foraminifera); interbedded sand, fine to medium-grained, pyritiferous, micaceous .....	48	784
<i>Anomalina pseudopapillosa</i> at 734-754.		
Limestone: cream, somewhat sandy, fossiliferous (macroshells)	29	813

	Thickness (feet)	Depth (feet)
Sand: fine to coarse-grained, pyritiferous, micaceous, interbedded marl, gray, silty, chalky, micaceous, pyritiferous .....	63	876
Marl: bluish-gray, chalky, micaceous, pyritiferous, fossiliferous (macroshells, Ostracods, and Foraminifera); interbedded sand, fine to medium-grained, pyritiferous, micaceous .....	99	975
<i>Globotruncana</i> sp., <i>Gaudryina rudita</i> at 948-975.		

## Summary:

Residuum .....	20	20
Upper Eocene (Ocala limestone) .....	130	150
Middle Eocene (Lisbon formation) .....	60	210
Middle Eocene (Tallahatta formation) .....	234	444
Lower Eocene (Wilcox group, undifferentiated) .....	126	570
Paleocene (Clayton formation) .....	166	736
Upper Cretaceous (Providence and Ripley, undifferentiated) .....	239	975

## Potential Water-Bearing Zones:

Limestone .....	130	150
Sand .....	35	245
Sand: fine to coarse-grained .....	92	412
Sand: fine to coarse-grained .....	19	467
Sand: fine to coarse-grained .....	52	570
Limestone .....	108	706
Sand: fine to coarse-grained .....	30	736
Limestone .....	29	813
Sand: fine to coarse-grained .....	63	876

## EARLY COUNTY

Location: About 6 mi. northwest of Saffold, Land Lot 406,  
26th Land District

Well No.: GGS 121  
Elev.: 187

Owner: No. 1 A. C. Chandler

(derrick floor)

Driller: Mont Warren et al

Drilled: October 1943

	Thickness (feet)	Depth (feet)
No samples .....	615	615

## In Paleocene: Midway Group: Clayton Formation:

Indurated sand: gray, fine-grained, somewhat argillaceous, glauconitic, fossiliferous (casts of megafossils at certain