

**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**

## CAMDEN COUNTY

Location: St. Marys  
 Owner: No. 5 St. Marys Kraft Corporation  
 Driller: Layne-Atlantic Company  
 Drilled: October 1953

Well No.: GGS-364  
 Elev.: 11

	Thickness (feet)	Depth (feet)
<b>Miocene to Recent (Undifferentiated):</b>		
Sand: fine-grained, finely phosphatic .....	25	25
Clay: dark-gray, sandy, micaceous, carbonaceous, fossiliferous (macroshells) .....	17	42
Sand: fine to coarse-grained .....	24	66
Limestone: gray to light-brown, dense (much calcitized), somewhat dolomitized, sandy, finely but sparsely phosphatic, fossiliferous (molds and impressions of megafossils) ..	54	120
Sand: coarse-grained (up to size of gravel), coarsely phosphatic; fragments of limestone as above .....	210	330
Dolomitic limestone: light-brown, saccharoidal, sandy, phosphatic; some coarse, gravelly sand as above .....	38	368
Clay: dark-green, sandy; much cave from above .....	42	410
Sand: fine to coarse-grained, phosphatic; interbedded limestone, white, dense (much calcitized), sandy, phosphatic, fossiliferous (macroshells); some dolomitic limestone .....	98	508
<b>Oligocene (Undifferentiated):</b>		
Limestone: light-gray, very dense (highly calcitized), nodular, saccharoidal, fossiliferous (macroshells, bryozoan remains, and some Foraminifera) .....	22	530
<i>Asterigerina</i> sp., <i>Siphonina advena</i> , <i>Discorbis assulata</i> , <i>Cibicides mississippiensis</i> at 508-530.		
<b>Upper Eocene: Jackson Group: Ocala Limestone:</b>		
Limestone: as above; interbedded dolomitic limestone at depth .....	423	953
<i>Operculinoides</i> sp., <i>Gypsina globula</i> at 530-552.		

	Thickness (feet)	Depth (feet)
<b>Middle Eocene: Claiborne Group (Undifferentiated):</b>		
Limestone as above; interbedded dolomitic limestone .....	237	1,190
<i>Dietyoconus</i> sp. at 953-983.		

**Summary:**

Miocene to Recent (undifferentiated) .....	508	508
Oligocene (undifferentiated) .....	22	530
Upper Eocene (Ocala limestone) .....	423	953
Middle Eocene (Claiborne group, undifferentiated) .....	237	1,190

**Potential Water-Bearing Zones:**

Sand: fine to coarse-grained .....	24	66
Sand: coarse-grained (up to gravel size) .....	100	220
Sand: fine to coarse-grained .....	40	450
Limestone .....	373	823

**Remarks:**

Samples of poor quality.

**CAMDEN COUNTY**

Location: St. Marys  
 Owner: No. 4 St. Marys Kraft Corporation  
 Driller: Layne-Atlantic Company  
 Drilled: October 1953

Well No.: GGS 365  
 Elev.: 14'

	Thickness (feet)	Depth (feet)
No samples .....	65	65

**In Pliocene to Recent (Undifferentiated):**

Limestone: dark-brownish-gray, saccharoidal, massive, sandy, sparsely phosphatic, fossiliferous (molds and impressions of megafossils) .....	27	92
Sand: fine-grained, subangular to subrounded; some limestone, as above .....	20	112
Dolomitic limestone: white, saccharoidal, sandy, coarse-subrounded grains of sand and some coarse-grained, jet-black phosphatic grains; fragments of clay, dark-green, sandy .....	11	123

<sup>1</sup>Average elevation taken from State Highway map.