

**GEORGIA**  
**STATE DIVISION OF CONSERVATION**  
DEPARTMENT OF MINES, MINING AND GEOLOGY  
GARLAND PEYTON, Director

---

**THE GEOLOGICAL SURVEY**  
Bulletin Number 70

---

**WELL LOGS OF THE**  
**COASTAL PLAIN OF GEORGIA**

by

**Stephen M. Herrick, Geologist**  
United States Geological Survey



Prepared cooperatively by the U. S. Geological Survey

---

**ATLANTA**  
**1961**

	Thickness (feet)	Depth (feet)
--	---------------------	-----------------

**Oligocene (Undifferentiated):**

Limestone: light-gray, rather dense and crystalline (much calcitized), nodular, fossiliferous (Foraminifera) .....	55	445
--	----	-----

*Rotalia mexicana* var. at 390-400.**Upper Eocene: Jackson Group: Ocala Limestone:** 4

Limestone: light-gray to white, somewhat saccharoidal (much calcitized), fossiliferous (bryozoan remains, Ostracods, and (Foraminifera) .....	109	554
---	-----	-----

*Operculinoides* sp., *Asterocyclina nassauensis* at 441-451.**Summary:**

Pliocene to Recent (undifferentiated) .....	93	93
Miocene (undifferentiated) .....	297	390
Oligocene (undifferentiated) .....	55	445
Upper Eocene (Ocala limestone) .....	109	554

**Potential Water-Bearing Zones:**

Limestone .....	164	554
-----------------	-----	-----

**LONG COUNTY**

Location: West side of Atlantic Coast Line R.R. in Ludowici	Well No.: GGS 67
	Elev.: 69

Owner: No. 1 City of Ludowici

Driller: Gray Well and Pump Company

Drilled: June 1939

	Thickness (feet)	Depth (feet)
No samples .....	395	395

**In Miocene (Undifferentiated):**

Limestone: light-gray, sandy, phosphatic, fossiliferous (molds and impressions of megafossils); sand, fine to medium-grained; dolomitic limestone, light-brown, saccharoidal, sandy .....	10	405
---	----	-----

**Oligocene (Undifferentiated):**

Limestone: gray, dense (much calcitized), fossiliferous (Foraminifera); sand, as above .....	20	425
--	----	-----

*Rotalia byramensis* var., *Quinqueloculina* sp. at 405-415.*Operculinoides* sp. at 415-425.

	Thickness (feet)	Depth (feet)
Limestone: cream, massive (much calcitized), nodular, somewhat oolitic, fossiliferous (abundant Foraminifera) .....	10	435

*Miliolidae* abundant at 425-435.

#### Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: white, dense (much calcitized), somewhat saccharoidal, fossiliferous (bryozoan remains and Foraminifera)....	150	585
---	-----	-----

*Asterocyclina nassauensis*, *Pseudophragmina flintensis*, *Gypsina globula* at 435-445.

#### Summary:

No samples .....	395	395
In Miocene (undifferentiated) .....	10	405
Oligocene (undifferentiated) .....	30	435
Upper Eocene (Ocala limestone) .....	150	585

#### Potential Water-Bearing Zones:

Limestone .....	180	585
-----------------	-----	-----

#### LOWNDES COUNTY

Location: 12 mi. north of Valdosta on Highway 125      Well No.: GGS 15  
 Owner: U.S. Government (Moody Field) No. 2      Elev.: 236  
 Driller: U.S. Corps of Engineers  
 Drilled: September 1941

#### Pliocene to Recent (Undifferentiated):

Sand: fine to medium-grained, phosphatic (finely disseminated), kaolin inclusions .....	40	40
Clay: yellow, sandy, limonitic .....	25	65
Limonite prominent at 55-60.		
Sand: as above .....	5	70

#### Miocene (Undifferentiated):

Clay: olive-green, sandy, somewhat limonitic, phosphatic, sandier at depth .....	15	85
Sand: fine to coarse-grained, phosphatic .....	20	105
Clay: gray to turquoise-blue, somewhat indurated, tough, sandy, phosphatic, cherty; interbedded limestone, light-gray to white, very sandy, sparsely phosphatic; claystone, light-		