

**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**

	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
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*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
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#### 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-		

	Thickness (feet)	Depth (feet)
gray, sandy, cherty, sparsely phosphatic .....	90	195
Claystone prominent at 130-135.		
Limestone, light-gray to white, very sandy, sparsely phosphatic at 145-160.		
Brown phosphatic pebbles abundant 185-190.		
Clay: white, calcareous, very sandy, fossiliferous (bryozoan remains and Foraminifera) .....	10	205
<i>Elphidium?</i> sp., <i>Rotalia</i> sp. at 195-200.		
Dolomitic limestone: light-brown, dense, saccharoidal, sandy.....	23	228
<b>Oligocene (Undifferentiated):</b>		
Limestone: light-gray, extremely dense (highly calcitized), somewhat saccharoidal, fossiliferous (macroshells, bryozoan remains, and Foraminifera) .....	147	375
<i>Quinqueloculina</i> sp. at 230-235.		
<i>Dictyoconus</i> <sup>1</sup> sp. at 260-265.		
<b>Upper Eocene: Jackson Group: Ocala Limestone:</b>		
Limestone: cream, massive, somewhat calcitized, fossiliferous (bryozoan remains, macroshells, and Foraminifera) .....	50	425
<i>Operculinoides floridensis</i> , <i>Operculinoides</i> sp., <i>Lepidocyclina</i> sp. at 375-380.		
<i>Gypsina globula</i> at 395-400.		
<i>Pseudophragmina flintensis</i> , <i>Lepidocyclina</i> sp. at 400-405.		
<b>Summary:</b>		
Pliocene to Recent (undifferentiated) .....	70	70
Miocene (undifferentiated) .....	158	228
Oligocene (undifferentiated) .....	147	375
Upper Eocene (Ocala limestone) .....	50	425
<b>Potential Water-Bearing Zones:</b>		
Sand: fine to coarse-grained .....	20	105
Limestone .....	197	425

<sup>1</sup>Reworked(?) fossil of middle Eocene age.