

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

THE GEOLOGICAL SURVEY
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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

ATLANTA
1961

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

Limestone: cream to white, saccharoidal (much calcitized), crystalline, fossiliferous (macroshells, bryozoan remains and Foraminifera)	58	468
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Asterocyclina nassauensis, *Gypsina vesicularis*, *Operculinoides floridensis* at 410-420.

Pseudophragmina flintensis at 450-460.

Summary:

Pliocene to Recent (undifferentiated)	140	140
In Miocene (undifferentiated)	250	390
Oligocene (undifferentiated)	20	410
Upper Eocene (Ocala limestone)	58	468

Potential Water-Bearing Zones:

Limestone	78	468
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LIBERTY COUNTY

Location: 0.5 mi. south of Midway, on U.S. Highway 17, Well No.: GGS 548
at firetower Elev.: 10

Owner: No. 1 State Forestry Department

Driller: Bailey Drilling Company

Drilled: 1957

Pliocene to Recent (Undifferentiated):

Sand: fine-grained, arkosic, phosphatic (finely disseminated) ..	10	10
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Sand: fine to coarse-grained, rounded, arkosic; interbedded clay, dark-gray, to black, fissile, lignitic, micaceous	17	27
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Clay: dark-gray, blocky, carbonaceous	15	42
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Sand: very coarse-grained, rounded, arkosic	51	93
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Miocene (Undifferentiated):

Clay: dark-green, sandy, phosphatic; interbedded sand, fine to coarse-grained, phosphatic	214	307
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Dolomitic limestone: light-brown, saccharoidal, sandy, phosphatic; interbedded clay, dark-green, sandy, phosphatic; sand, fine to coarse-grained, phosphatic	83	390
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	Thickness (feet)	Depth (feet)
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Oligocene (Undifferentiated):

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

Limestone: gray, dense (much calcitized), fossiliferous (Foraminifera); sand, as above	20	425
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Rotalia byramensis var., *Quinqueloculina* sp. at 405-415.*Operculinoides* sp. at 415-425.