

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)
Paleocene (Clayton formation)	365	2,750
Cretaceous (undifferentiated)	1,598	4,348

First observed *Globotruncana* sp. at 2747-2778.

First observed *Anomalina henbesti* at 3322-3353.

First observed *Planulina texana* at 3414-3444.

First observed *Kyphopyxa christneri* at 3444-3474.

First observed *Vaginulina texana* at 3598-3629.

Basement complex (undifferentiated)	7	4,355
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Remarks:

Samples of poor quality. Formational tops noted above are approximate.

PIERCE COUNTY

Location: In Patterson
 Owner: No. 1 J. C. Echols
 Driller: Layne-Atlantic Company
 Drilled: 1955

Well No.: GGS 465.
 Elev.: 105¹

	Thickness (feet)	Depth (feet)
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Pliocene to Recent (Undifferentiated):

Sand: fine to medium-grained, finely disseminated phosphatic grains; interbedded clay, gray to tan to purple (mottled), sandy	30	30
Sand: fine to coarse-grained, angular, arkosic	115	145

In Miocene (Undifferentiated):

Clay: dark-green, sandy, phosphatic; interbedded sand, fine to coarse-grained	50	195
Black, phosphatic pebbles prominent at 165-175.		
Clay: dark-green, sandy, phosphatic	115	310
Dolomitic limestone: light-brown, saccharoidal, sandy, phosphatic; some limestone, white, dense, much calcitized, sandy	20	330
Sand: fine to coarse-grained, phosphatic	80	410
Limestone: white, dense, much calcitized, sandy, phosphatic; interbedded sand, fine to coarse-grained, phosphatic; dolomitic limestone, light-brown, saccharoidal, sandy, phosphatic; clay, dark-green, sandy, phosphatic	80	490

¹Average elevation based on Georgia State Highway Maps.

	Thickness (feet)	Depth (feet)
Limestone: white, dense, much calcitized, phosphatic, fossiliferous (casts and molds of megafossils)	68	558
Dolomitic limestone: dark-brown, saccharoidal, sandy, phosphatic, fossiliferous (molds and impressions of megafossils) ..	42	600

Oligocene (Undifferentiated):

Limestone: cream, recrystallized (much calcitized), nodular, somewhat oolitic?, fossiliferous (Foraminifera)	20	620
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*Dictyoconus*² sp., *Quinqueloculina* sp. at 600-620.

Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: light-gray to white, extremely dense (much calcitized), fossiliferous (echinoid and bryozoan remains and Foraminifera)	48	668
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Operculinoides sp. at 620-640.

Operculinoides ocanalus, *Asterocyclina nassauensis*, *Pseudophragmina flintensis*, *Gypsina globula*, *Argyrotheca* sp. at 660-668.

Summary:

Pliocene to Recent (undifferentiated)	145	145
In Miocene (undifferentiated)	455	600
Oligocene (undifferentiated)	20	620
Upper Eocene (Ocala limestone)	48	668

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	80	410
Limestone	68	668

PIERCE COUNTY

Location:

Well No.: GGS 516

Owner: No. 1 Pierce County Training School

Driller: M. M. Gray Drilling Company

Drilled: 1956

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Sand: fine to coarse-grained, arkosic, with kaolin inclusions	20	20
Clay: light-gray to red (mottled), sandy	10	30

²Reworked (?) fossil of middle Eocene age.