

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

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ATLANTA
1961

CHATHAM COUNTY

Location: Tybee Island, about 0.25 mi. N. 70° E. of Well No.: GGS 1
 lighthouse at Fort Screven Elev.: 14
 Owner: U. S. Government (War Department)
 Driller: Layne-Atlantic Company
 Drilled: September 1942

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Sand: fine-grained, subangular, cherty, somewhat micaceous.....	32	32
Sand: fine to coarse-grained, subangular, sparsely phosphatic, fossiliferous (a few fragments of molluscan shells).....	58	90
Sand: coarse-grained, subangular to subrounded, abundantly phosphatic, fossiliferous (molluscan shells).....	13	103
Miocene (Undifferentiated):		
Clay: pale-brownish-gray, blocky, sandy, phosphatic	55	158
Limestone: white, very sandy, phosphatic, fossiliferous (molds of molluscan shells).....	22	180
Oligocene (Undifferentiated):		
Limestone: light gray, sandy, somewhat nodular, sparsely phosphatic, fossiliferous (molds of molluscan shells and Foraminifera)	40	220
<i>Quinqueloculina</i> sp., <i>Lepidocyclina</i> sp., <i>Gypsina globula</i> at 180-220.		
Upper Eocene: Jackson Group: Ocala Limestone:		
Limestone: white, crystalline (in texture), much calcitized and fossiliferous (abundant bryozoan remains and Foraminifera)	195	415
<i>Operculinoides floridensis</i> , <i>Asterocyclina nassauensis</i> , <i>Robulus alato-limbatus</i> , <i>Planularia</i> sp., <i>Saracenaria</i> sp., <i>Siphonina jacksonensis</i> at 220-250.		
<i>Eponides cocoaensis</i> , <i>Asterocyclina nassauensis</i> , <i>Operculinoides floridensis</i> , <i>Planulina cocoaensis</i> , <i>Pseudophragmina flintensis</i> , <i>Gypsina vesicularis</i> , <i>Nodosaria latejugata</i> var., <i>Nonion cf. N. planatus</i> at 250-380.		

	Thickness (feet)	Depth (feet)
Limestone: cream, granular (in texture), much calcitized, fossiliferous (Foraminifera)	195	610

Camerina striatoreticulata at 430-460.

Operculina mariannensis at 490-520.

Glauconite-impregnated Foraminifera prominent at 580-610.

Lepidocyclina (Polylepidina) antillea? at 580-610.

Summary:

Pliocene to Recent (undifferentiated)	103	103
Miocene (undifferentiated)	77	180
Oligocene (undifferentiated)	40	220
Upper Eocene (Ocala limestone)	390	610

CHATHAM COUNTY

Location: 2.4 mi. east of City Hall, Savannah

Owner: No. 1 Southeastern Shipyards

Driller: Layne-Atlantic Company

Drilled: June 1941

Well No.: GGS 35

Elev.: 9

	Thickness (feet)	Depth (feet)
No samples	20	20
In Pliocene to Recent (Undifferentiated):		
Sand: fine to medium-grained, angular, arkosic; clay, dark-gray, silty, lignitic, micaceous	10	10
Sand: fine to medium-grained, angular, arkosic	30	60
Sand: as above, but coarse-grained, subrounded	12	72
Miocene (Undifferentiated):		
Clay: dark-green, sandy, phosphatic (at depth)	133	205
No samples	3	208
Limestone: light-gray, dense, sandy, phosphatic; dolomitic limestone, light-brown, saccharoidal, sandy, phosphatic	?	208
No samples	20	228