## 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

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	Thickness (feet)	Depth (feet)
Limestone: white, dense, crystalline, highly calcitized fossili- ferous (macroshells, abundant echinoid and bryozoan re- mains, Ostracods and Foraminifera)	. 20	150
Operculinoides sp. at 140-150.		
Limestone: cream, rather soft and porous but very dense and calcitized at depth, coarsely but sparsely glauconitic, fossiliferous (macroshells, abundant echinoid and bryozoan remains, Ostracods, and abundant "larger Foraminifera")	20	170
Asterocyclina sp., Lepidocyclina ocalana at 150-160.		
Operculina mariannensis, Camerina striatoreticulata at 160-170.	٠,	
Sand: fine to coarse-grained, angular	10	180
Summary:	. ;	
Residuum	50	50
Oligocene (undifferentiated)		80
Upper Eocene (Ocala limestone)	. 100	180
Potential Water-Bearing Zones:		170
Sand: fine to coarse-grained	_ 10	180
	4,	
DOG	DLY COU	NTY
ft. east of Land Lot 163, 6th Land District Elev Owner: No. 1 H. E. Walton Driller: Georgia-Florida Drilling Company	l No.: GG	S 619
Drilled: April 1960	Thickness (feet)	Depth (feet)
Miocene (Undifferentiated):		и.,
		ž
Clay: pale-greenish to brownish-gray with tan to red streaks (somewhat mottled), blocky, sandy; interbedded limestone at depth, cream, dense, sandy, somewhat cherty	110	110
as depth, cream, dense, sandy, somewhat thereby	110	110
A Time Control of the Action	W 4	

No samples

•	Thickness (feet),	Depth (feet)
In Lower Eccene: Wilcox Group (Undifferentiated):		
Sand: medium to coarse-grained, subangular, phosphatic at depth; some clay (or kaolin?), light-gray, sandy, micaceous	60	700
Sand: as above; much clay, dark-gray, silty, abundantly glauconitic, micaceous, pyritiferous	. 24	724
Paleocene: Midway Group: Clayton Formation:		
Clay: dark-gray, laminated, silty, micaceous, carbonaceous; interbedded limestone, light-gray, sandy, pyritiferous, glauconitic, fossiliferous (macroshells and bryozoan remains)	_ 30	754
Limestone: light-gray, dense, sandy, glauconitic, pyritiferous, fossiliferous (some macroshells)	<b>.</b> 56	810
Limestone: as above but sandier with depth	17	827
Upper Cretaceous: Post-Eutaw (Undifferentiated):	40 2	Ha
Sand: coarse-grained, subangular	. 81	908
Sand: fine to coarse-grained, subangular; interbedded marl, dark-bluish-gray, somewhat chalky, micaceous, pyritiferous, fossiliferous at certain levels (some macroshells, Ostracods and Foraminifera)	297	1,205
Anomalina pseudopapillosa at 900-910.		
Gaudryina rudita, Robulus munsteri, Loxostoma plaitum, Cibicides harperi, Anomalina clementiana at 1135-1145.	., .	٠.
Clay: dark-brownish-gray, laminated, silty, micaceous, lig- nitic, fossiliferous at certain levels (some macroshells, Ostracods and Foraminifera); interbedded sand, fine to coarse-grained, subangular, phosphatic	670	1,875
Planulina taylorensis at 1215-1225.		· /
Kyphopyxa christneri at 1775-1785.		. 4
Sand: medium to coarse-grained, subangular; interbedded clay, as above	128	2,003
Clay: dark-brown, laminated, silty, micaceous, glauconitic, fossiliferous at certain levels (some macroshells, Ostracods and Foraminifera); interbedded sand, fine to medium-grained, subangular, phosphatic	135	2,138
Vaginulina texana at 2025-2035.	ř	

	Thickness (feet)	Depth (feet)
Eutaw Formation (Restricted):	,*	
Sand: fine-grained, somewhat indurated at certain levels,		
micaceous, phosphatic, glauconitic, fossiliferous (macro-shells and some fish teeth)	72	2,210
In Tuscaloosa Formation:		
Sand: fine to coarse-grained, coarser-grained with depth,		
subangular, micaceous, arkosic; interbedded clay, red to purple, sandy, micaceous	742	2,952
Lower Cretaceous(?) (Undifferentiated):	•	
Sand: coarse-grained, subangular to subrounded, vari-colored, arkosic, micaceous; interbedded clay, pale-bluish-green to		
tan to red to purple (mottled), blocky, greasy-appearing,	F 00	
somewhat sandy, abundantly micaceous	<u></u> 560	3,512
Basement Complex (Undifferentiated):		Υ¥
Crystalline Rock: dark-gray to red at depth, abundantly		•
micaceous, grains of pale-green epidote and other meta-		
morphic minerals		3,748
	٧.	
Summary:		
Miocene (undifferentiated) No samples	110	110
No samples	530	- 640
In lower Eocene (Wilcox group, undifferentiated)	84 .	724
Paleocene (Clayton formation)		827
Upper Cretaceous (post-Eutaw, undifferentiated)		2,138
Upper Cretaceous (Eutaw formation, restricted)		2,210
Upper Cretaceous (Tuscaloosa formation)		2,952
Lower Cretaceous (?) (undifferentiated)	560	3,512
Basement complex (undifferentiated)		3,748
•	*	
Potential Water-Bearing Zones:	127	
Limestone	56	810
Sand: fine to coarse-grained	78	905
Sand: fine to coarse-grained		1,125
Sand: fine to coarse-grained		1,380
Sand: fine to coarse-grained		2,003
Sand: fine to coarse-grained	387	2,9521

 $<sup>^{1}</sup>$ There is a possibility that these sands may contain salt water, hence be unsuitable for human consumption.