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

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WELL LOGS OF THE COASTAL PLAIN OF GEORGIA

by

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ATLANTA
1961

	Thickness (feet)	Depth (feet)
Summary:		
Residuum	44	44
Upper Eocene (Ocala limestone)	48	92
Middle Eocene (Lisbon formation)	70	162
Middle Eocene (Tallahatta formation)	194	356
Lower Eocene (Wilcox group, undifferentiated)	216	572
Paleocene (Clayton formation)	457	1,029
Upper Cretaceous (Providence and Ripley, undifferentiated)	91	1,120
Potential Water-Bearing Zones:		
Sand: fine to coarse-grained	95	302
Sand: fine to coarse-grained	24	572
Limestone	21	684
Sand: fine to coarse-grained	42	1,016

EARLY COUNTY

Location: 1,738 ft. south and 11 ft. west of northeast corner of Land Lot 341, 26th Land District
Owner: No. 1 R. V. Ellis
Driller: Sun Oil Company

Well No.: GGS 483
Elev.: 163 (derrick floor)

	Thickness (feet)	Depth (feet)
No samples	80	80
In Middle Eocene: Claiborne Group: Lisbon Formation:		
Sand: fine to coarse-grained, angular; some marl, gray, silty, micaceous, fossiliferous (Radiolaria and some Foraminifera); limestone, yellow to light-gray at depth, crystalline, much calcitized, coarsely glauconitic, sandy, fossiliferous (megafossils and some Foraminifera)	120	200
Sigmoilina sp., *Nonion* sp., *Radiolaria* at 80-120.		
Cibicides pseudoungerianus var. *lisbonensis*, *Operculinoides* sp. at 120-160.		
Asterocyclina sp. at 160-200.		
Tallahatta Formation:		
Marl: light-gray, silty, micaceous, fossiliferous (some Foraminifera); limestone, as above	80	280
Valvulineria jacksonensis var., *Cibicides tallahattensis* at 200-240.		

	Thickness (feet)	Depth (feet)
Limestone: light-gray, extremely dense, sandy, phosphatic, coarsely glauconitic, fossiliferous (fragments and molds of megafossils)	40	320
Lower Eocene: Wilcox Group (Undifferentiated):		
Marl: dark-brown, silty, carbonaceous, micaceous, pyritiferous, fossiliferous (some Foraminifera at certain levels)	320	640
Valvulineria wilcoxensis at 320-360.		
Eponides dorfi, Valvulineria wilcoxensis at 360-400.		
Sand bed 560-620.		
Paleocene: Midway Group: Clayton Formation:		
Indurated sand: fine-grained, gray, finely glauconitic, fossiliferous (megafossils, bryozoan remains, Ostracods, and Foraminifera)	80	720
Operculinoides catenula, Asterocyclina sp., *Robulus midwayensis* at 680-720.		
Limestone: yellow, gray to white at depth, very dense, crystalline, sandy, coarsely glauconitic, pyritiferous, fossiliferous (megafossils, bryozoan remains, and some Foraminifera)	320	1,040
Marl: light-gray, somewhat indurated, chalky, micaceous, fossiliferous (Foraminifera[1])	80	1,120
Globorotalia sp., *Pseudoglandulina* sp. at 1040-1080.		
Upper Cretaceous: Post-Tuscaloosa (Undifferentiated):		
Marl: gray, chalky, micaceous, pyritiferous, glauconitic, fossiliferous (common to abundant Foraminifera)	1,200	2,320
Globotruncana cretacea at 1120-1160.		
Globotruncana cretacea common, *Guembelina* sp., *Loxostoma plaitum, Dorothia* sp., *Bolivinoides decorata* at 1160-1200.		
Planulina texana at 1360-1400.		
Kyphopyxa christneri at 1520-1560.		
Vaginulina texana at 2040-2080.		
Marl: as above, but somewhat sandier	80	2,400
No samples	10	2,410

[1]Tamesi fauna.

	Thickness (feet)	Depth (feet)
Sand: fine to medium-grained, somewhat indurated, angular, micaceous, glauconitic, phosphatic, fossiliferous (macro-shells)	40	2,450
Tuscaloosa Formation:		
Sand: fine to coarse-grained, angular, a few grains of "rose quartz"; interbedded clay, yellowish-green to purple (mottled), sandy, micaceous	290	2,740
Clay or Shale: dark-gray to black, fissile, carbonaceous, micaceous (finely disseminated producing a speckled appearance), fossiliferous (imprints of megafossils at certain levels)	290	3,030
Sand: medium to coarse-grained, angular	30	3,060
Sand: coarse-grained, angular, arkosic, massive, a few grains of "rose quartz"; interbedded clay, brick-red to dark-green (mottled), waxy, sideritic, micaceous, sandy	115	3,175

Summary:

No samples	80	80
In middle Eocene (Lisbon formation)	120	200
Middle Eocene (Tallahatta formation)	120	320
Lower Eocene (Wilcox group, undifferentiated)	320	640
Paleocene (Clayton formation)	480	1,120
Upper Cretaceous (post-Tuscaloosa, undifferentiated)	1,330	2,450
Upper Cretaceous (Tuscaloosa formation)	725	3,175

Potential Water-Bearing Zones:

Sand: fine to medium-grained	60	620
Limestone	280	1,040

ECHOLS COUNTY

Location: 660 ft. south, 666 ft. east of northwest corner of Land Lot 146, 12th Land District
Owner: No. 1 Bennett and Langdale
Driller: Humble Oil and Refining Company
Drilled: May 1949

Well No.: GGS 189
Elev.: 181 (derrick floor)

	Thickness (feet)	Depth (feet)
No samples	170	170