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)
Sand: fine to coarse-grained	13	230
Sand: fine to coarse-grained	92	337
Sand: fine to coarse-grained	47	405
Sand: fine to coarse-grained	37	467
Sand: fine to coarse-grained	25	495

PIERCE COUNTY

Location: 1.5 mi. east of Offerman, Land Lot 329, 4th Land District
Well No.: GGS 119
Elev.: 75
Owner: No. 1 Adams-McCaskill
Driller: W. B. Hinton
Drilled: May 1938

	Thickness (feet)	Depth (feet)
No samples	120	120
In Miocene (Undifferentiated):		
Sand: fine to coarse-grained; limestone, white, rather dense (much calcitized), sandy, phosphatic	360	480
Sand and limestone: as above; dolomitic limestone, light-brown, saccharoidal	105	585
Oligocene (Undifferentiated):		
Sand and limestone: as above with more limestone at depth, light-gray to white at depth, much calcitized, nodular, saccharoidal, fossiliferous (macroshells and Foraminifera)	15	600
Quinqueloculina sp. at 585-600.		
Upper Eocene: Jackson Group: Ocala Limestone:		
Limestone: white to cream, sandier more calcitized and dolomitized at depth, fossiliferous (bryozoan and echinoid remains, some macroshells, and Foraminifera)	265	865
Bryozoan remains prominent at 600-630.		
Camerina sp. at 675-690.		
Operculinoides floridensis, Lepidocyclina sp. at 690-705.		
Asterocyclina nassauensis at 705-720.		
Gypsina globula, Pseudophragmina flintensis at 720-735.		
Camerina striatoreticulata common at 735-750.		
Operculina mariannensis at 765-780.		
Limestone as above but much sandier at 780-810.		
Limestone as above but more dolomitized with depth at 810-865.		

	Thickness (feet)	Depth (feet)
Middle Eocene: Claiborne Group (Undifferentiated):		
Sand: fine to coarse-grained, phosphatic; dolomitic limestone, as above	135	1,000
Limestone: light-gray, massive, dense, much calcitized, somewhat sandy, cherty (at certain horizons), fossiliferous (fragments and molds of macroshells, a coquina at certain horizons, bryozoan remains, and Foraminifera)	200	1,200
Asterocyclina monticellensis at 1085-1100.		
Lepidocyclina (Polylepidina) antillea at 1100-1115.		
Bryozoan remains prominent at 1115-1130.		
Dolomitic limestone: brown, saccharoidal; interbedded limestone, as above	170	1,370
Limestone: cream, poorly consolidated, granular, somewhat calcitized, cherty and gypsiferous at certain horizons, fossiliferous (some Foraminifera at certain levels)	390	1,760
Operculinoides sp., *Asterocyclina* sp. prominent at 1490-1505.		
Dolomitic limestone: light-gray, saccharoidal, gypsiferous	120	1,880
Sand: fine to coarse-grained, phosphatic	15	1,895
Limestone: cream, granular, somewhat calcitized, coarsely glauconitic, dolomitized at certain horizons, fossiliferous (abundant bryozoan remains); interbedded sand, fine to medium-grained, phosphatic	75	1,970
Clay: yellowish-green, fissile, silty, micaceous	85	2,055
Marginulina sp. at 2000-2015.		
Cibicides tallahattensis at 2015-2030.		
Lower Eocene: Wilcox Group (Undifferentiated):		
Limestone: light-gray, sandy, coarsely glauconitic	30	2,085
Marl: dark-gray, fissile, sandy, glauconitic, micaceous, pyritiferous, fossiliferous (Foraminifera)	35	2,120
Limestone: white, sandy, coarsely glauconitic, fossiliferous (fragments and molds of macroshells)	15	2,135
Sand: fine to coarse-grained, subangular, phosphatic	90	2,225
Eponides dorfi, Valvulineria wilcoxensis at 2090-2105.		
Alabamina wilcoxensis at 2120-2135.		

	Thickness (feet)	Depth (feet)
Paleocene: Midway Group: Clayton Formation:		
Limestone: white, dense, much calcitized and crystalline, fossiliferous (macroshells, bryozoan remains, Ostracods, and some Foraminifera); interbedded clay, dark-gray to black, fissile, carbonaceous, micaceous (finely disseminated flakes), fossiliferous, (some Foraminifera)	75	2,300
Indurated sand: dark-gray to brown, fine-grained, phosphatic, glauconitic, micaceous, fossiliferous (macroshells, Ostracods, and Foraminifera at certain levels); interbedded marl, brown to dark-gray, silty, glauconitic, micaceous, fossiliferous (Foraminifera at various levels)	420	2,720
Discorbis midwayensis var. at 2300-2315.		
Eponides lotus at 2322-2330.		
Vaginulina longiforma at 2390-2405.		
Upper Cretaceous: Post Tuscaloosa (Undifferentiated):		
Marl: dark-brown to bluish-gray, sandy, micaceous, pyritiferous, glauconitic, fossiliferous (macroshells, Ostracods, and Foraminifera)	495	3,215
Globotruncana sp. at 2720-2735.		
Globotruncana sp., *Guembelina* sp., *Gaudryina* sp. at 2750-2765.		
Marl: brown, fissile, silty, glauconitic, carbonaceous, micaceous, fossiliferous (macro- and microfossils)	525	3,740
Planulina cf. *P. texana*, *Globorotalia micheliniana* at 3380-3395.		
Planulina taylorensis at 3455-3470.		
Kyphopyxa christneri at 3560-3575.		
Vaginulina texana at 3695-3710.		
Sand: fine to coarse-grained, phosphatic, indurated at certain horizons; interbedded marl, as above	135	3,875
Tuscaloosa Formation:		
Clay: gray to dark-green, fissile, sandy, finely micaceous, somewhat iron-stained; interbedded sand, fine to coarse-grained	75	3,950
Sand: fine to coarse-grained; interbedded clay, as above	255	4,205
Siderite nodules prominent at 3965-3980.		
Sand: fine to medium-grained, somewhat indurated, finely glauconitic, micaceous, fossiliferous (macroshells)	41	4,246

	Thickness (feet)	Depth (feet)
Lower Cretaceous(?) (Undifferentiated):		
Sand: fine-grained, highly micaceous; interbedded clay, green to red, sandy, micaceous	102	4,348
Basement Complex (Undifferentiated):		
Crystalline rock	27	4,375

Summary:

No samples	120	120
In Miocene (undifferentiated)	465	585
Oligocene (undifferentiated)	15	600
Upper Eocene (Ocala limestone)	265	865
Middle Eocene (Claiborne group, undifferentiated)	1,190	2,055
Lower Eocene (Wilcox group, undifferentiated)	170	2,225
Paleocene (Clayton formation)	495	2,720
Upper Cretaceous (post-Tuscaloosa, undifferentiated)	1,155	3,875
Upper Cretaceous (Tuscaloosa formation)	371	4,246
Lower Cretaceous(?) (undifferentiated)	102	4,348
Basement complex (undifferentiated)	27	4,375

Potential Water-Bearing Zones:

Limestone	220	820
Sand: fine to coarse-grained	135	1,000
Limestone	200	1,200
Sand: fine to coarse-grained	65	2,200

PIERCE COUNTY

Location: 2.3 mi. northeast of Offerman, Land Lot 332, 4th Land District — Well No.: GGS 120
Owner: No. 1 Donald Clark — Elev.: 75
Driller: W. B. Hinton
Drilled: May 1939

	Thickness (feet)	Depth (feet)

Summary:

No samples	111	111
In Miocene (undifferentiated)	539	650
Oligocene (undifferentiated)	51	701
Upper Eocene (Ocala limestone)	174	875
Middle Eocene (Claiborne group, undifferentiated)	1,220	2,095
Lower Eocene (Wilcox group, undifferentiated)	290	2,385