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
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BURKE COUNTY

Location: 3 mi. north of Waynesboro on Briar Creek
Owner: No. 1 John Thompson
Driller: J. Rowell
Drilled: August 1946

Well No.: GGS 139
Elev.: 199

	Thickness (feet)	Depth (feet)
No samples	44	44
In Middle Eocene: Claiborne Group (Undifferentiated):		
Limestone: light-gray, dense (much calcitized), sandy, somewhat carbonaceous, finely glauconitic, phosphatic, fossiliferous at depth (Ostracods, Foraminifera, and macroshells); interbedded marl, light-gray, glauconitic	96	140
Clay, light-gray, somewhat indurated, finely glauconitic, at 100-110.		
Macroshells common at 120-140.		
No samples	30	170
Sand: fine to coarse-grained, coarsely glauconitic	?	170
Summary:		
No samples	44	44
In middle Eocene (Claiborne group, undifferentiated)	126	170
Potential Water-Bearing Zones:		
Sand: fine to coarse-grained	30	140
Sand: fine to coarse-grained	?	170

BURKE COUNTY

Location: 2.5 mi. east of Greens Cut
Owner: No. 3 well Three Creeks Oil Company
Drilled: May 1923

Well No.: GGS 220

	Thickness (feet)	Depth (feet)
Residuum:		
Clay: reddish-brown, very sandy, limonitic; some residual limestone	30	30

	Thickness (feet)	Depth (feet)
Upper Eocene: Jackson Group: Barnwell Formation:		
Limestone: white, dense, crystalline, sandy, sparsely phosphatic, fossiliferous (macroshells, echinoid and bryozoan remains, and some Foraminifera)	45	75
Elphidium texanum, Nonion inexcavatus, Valvulineria jacksonensis, Cibicides americanus var. *antiquus* at 30-75.		
Middle Eocene: Claiborne Group: Lisbon Formation:		
Marl: light-gray to pale, yellowish-green, sandy, limey, hard lime nodules, fossiliferous at certain levels (echinoid and bryozoan remains, Ostracods, and Foraminifera)	54	129
Spiroplectammina mississippiensis var., *Textularia dibollensis, Nonion inexcavatus, Nonion advena, Discorbis georgiana, Siphonina claibornensis, Valvulineria danvillensis* var. *gyroidinoides, Cibicides pseudoungerianus* var. *lisbonensis, Cibicides americanus* var. *antiquus, Cibicides danvillensis* at 116-118.		
Clay: dark-green, blocky, somewhat indurated and tough, sandy	16	145
Sand: fine to medium-grained; clay, light-gray to dark-brown, block, carbonaceous, finely disseminated flakes of mica	16	161
Clay: dark-brown to black, lignitic, micaceous, sandy, coarse grains of sand	25	186
Clay: as above, but light-gray, very sandy	9	195
Upper Cretaceous: Tuscaloosa Formation:		
Sand: coarse-grained, angular, arkosic, many grains coated with white kaolin; interbedded clay (or kaolin), white to gray to red to purple (mottled), micaceous, somewhat sandy	644	839
Clay: light-gray to tan to olive-green to red (mottled), sideritic, micaceous, greasy; interbedded sand, very coarse-grained, angular, arkosic	86.7	925.7

Summary:

Residuum	30	30
Upper Eocene (Barnwell formation)	45	75
Middle Eocene (Lisbon formation)	120	195
Upper Cretaceous (Tuscaloosa formation)	730.7	925.7

	Thickness (feet)	Depth (feet)
Potential Water-Bearing Zones:		
Sand: fine to coarse-grained	3	129
Sand: fine to coarse-grained	13	208
Sand: fine to coarse-grained	13	312
Sand: fine to coarse-grained	25	356
Sand: fine to coarse-grained	23	421
Sand: fine to coarse-grained	34	538

Remarks:

Other water-bearing sands are present below depth of 538 (above), but samples are not of sufficient excellence to permit delineation.

BURKE COUNTY

Location: Approximately 2.5 mi. east of Greens Cut — Well No.: GGS 316
Owner: No. 2 well Three Creeks Oil Company
Drilled: 1923

	Thickness (feet)	Depth (feet)
No samples	128	128
In Middle Eocene: Claiborne Group: Lisbon Formation:		
Marl: cream to pale yellowish-green, somewhat sandy, glauconitic, limey, with hard lime nodules, fossiliferous (macroshells, echinoid and bryozoan remains, Ostracods, and Foraminifera)	62	190
Nonion advena, Discorbis georgiana, Gyroidina soldanii var., *Cibicides americanus* var. *antiquus, Cibicides pseudoungerianus* var., *Cibicides danvillensis, Cibicides westi* at 128-144.		
Sand: fine to coarse-grained, subangular, sparsely phosphatic	24	214
Sand: fine to coarse-grained, subrounded; clay, dark-green, somewhat indurated and fissile, micaceous; claystone, dark-brown, dense, cherty	8	222
Sand: as above; clay, dark-green to dark-brown to black, somewhat fissile, micaceous	56	278
In Upper Cretaceous: Tuscaloosa Formation:		
Sand: fine to coarse-grained, subangular, arkosic, many grains coated with red clay	40	318