GEORGIA
STATE DIVISION OF CONSERVATION
DEPARTMENT OF MINES, MINING AND GEOLOGY
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WELL LOGS OF THE COASTAL PLAIN OF GEORGIA

by

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ATLANTA
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CALHOUN COUNTY

Location: 6 ft. west and 15 ft. south of north footing of steel water tower in Arlington
Owner: No. 2 City of Arlington
Driller: Layne-Atlantic Company
Drilled: January 1953

Well No.: GGS 330
Elev.: 306

	Thickness (feet)	Depth (feet)
Residuum:		
Clay: pale olive-green to tan to red to purple (mottled), very sandy, limonitic	125	125
Sand: fine to coarse-grained, angular	30	155
No samples	20	175
In Middle Eocene: Claiborne Group (Undifferentiated):		
Sand: fine to coarse-grained, angular, somewhat phosphatic, fossiliferous (macroshells); interbedded marl, pale-green to light-gray, silty, carbonaceous, micaceous, fossiliferous (some Foraminifera); limestone, light-gray, dense, very sandy, glauconitic, fossiliferous (macroshells, some bryozoan remains, and Foraminifera)	185	360
Asterigerina lisbonensis at 228-239.		
Discorbis yeguaensis at 269-280.		
Glauconite prominent at 341-351.		
Lower Eocene(?): Wilcox Group (Undifferentiated):		
Limestone: light-gray, dense, sandy, abundantly glauconitic	5	365
Clay: dark-gray, silty, carbonaceous, micaceous	17	382

Summary:

Residuum	155	155
No samples	20	175
In middle Eocene (Claiborne group, undifferentiated)	185	360
Lower Eocene(?) (Wilcox group, undifferentiated)	22	382

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	30	155
Sand: fine to coarse-grained	76	354

Remarks:

Additional aquifers, as for example the Clayton formation, occur in this area at depths lower than the total depth (382) of the above described well. Quality of samples on this well is poor; much better cuttings could have been collected. Moreover, the sands penetrated during drilling of this well were reported dry. This report is considered questionable. Many of these sands might have been sealed-off by mud during drilling, hence appeared to be dry when tested.

CALHOUN COUNTY

Location: 12 ft. north and 6 ft. west of southwest footing of water tower, ½ block north of Courthouse, west side of Highway 55, in Morgan — Well No.: GGS 331 — Elev.: 252
Owner: No. 1 City of Morgan
Driller: Layne-Atlantic Company
Drilled: December 1952

	Thickness (feet)	Depth (feet)
Residuum:		
Sand: fine to coarse-grained, subangular, limonitic; interbedded clay, light-gray with red streaks (somewhat mottled), sandy	4	4
Clay: light-gray to pale-brownish-green with tan to red streaks (mottled), very sandy, limonitic	20	24
Upper Eocene(?): Jackson Group: Ocala Formation:		
Limestone: white to cream, rather dense and massive, somewhat saccharoidal, sandy, fossiliferous (molluscan shells, bryozoan remains, and Foraminifera)	10	34
Lepidocyclina sp., *Camerina* sp. at 24-34.		
In Middle Eocene: Claiborne Group: Lisbon Formation:		
Limestone: white to light-gray, dense, crystalline, coarsely but sparsely glauconitic, sandy, somewhat fossiliferous (molluscan shells, bryozoan remains, Ostracods, and Foraminifera); interbedded clay, light-gray, sandy, carbonaceous, micaceous; indurated sand or sandstone, pale-green, fine-grained, very dense, highly siliceous, micaceous, carbonaceous	81	115
Nonion advena, Cibicides pseudoungerianus var., *Cibicides* cf. *C. westi* at 45-55.		
Cibicides westi at 55-65.		
Asterigerina lisbonensis common at 65-75.		