

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

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Prepared cooperatively by the U. S. Geological Survey

ATLANTA
1961

	Thickness (feet)	Depth (feet)
Potential Water-Bearing Zones:		
Limestone	230	540

TOOMBS COUNTY

Location: 4.5 mi. south of R.R. in Lyons via U.S. Highway 1, 1.4 mi. west of Highway 1 via east-west dirt road on north side of said road at top of prominent hill
 Owner: No. 1 Gibson
 Driller: Tropic Oil and Gas Company
 Drilled: June 1945

Well No.: GGS 95
 Elev.: 198

	Thickness (feet)	Depth (feet)
No samples	375	375
In Miocene (Undifferentiated):		
Limestone: white, somewhat recrystallized, calcitized; sand, phosphatic; some clay, pale-green, sandy	10	385
No samples	15	400
Sand: fine to medium-grained, subangular, phosphatic; some clay, as above; limestone, white, sandy, phosphatic, fossiliferous (macroshells)	48	448
Oligocene (Undifferentiated):		
Limestone: gray, extremely dense, crystalline, cherty, sandy, sparsely phosphatic, fossiliferous (echinoid and bryozoan remains)	1	449
Limestone: reddish-brown, rather soft and chalky, fossiliferous (echinoid and bryozoan remains and Foraminifera)	37	486
<i>Rotalia mexicana</i> var., <i>Quinqueloculina</i> sp. at 449-456.		
No samples	20	506
In Upper Eocene: Jackson Group: Ocala Limestone:		
Limestone: reddish-brown, soft and somewhat chalky, very fossiliferous at certain levels (echinoid and bryozoan remains and "larger" Foraminifera)	128	634
<i>Camerina striatoreticulata</i> common to abundant, <i>Lepidocyclus</i> sp. at 512-520.		

	Thickness (feet)	Depth (feet)
Limestone: cream, soft, fossiliferous ("larger Foraminifera" and bryozoan remains)	126	760

Lepidocyclina sp. common at 634-662.

Operculina mariannensis at 740-750.

Middle Eocene: Claiborne Group: Lisbon Formation:

Limestone: light-gray, calcitized and granular, somewhat loosely consolidated, glauconitic at depth, fossiliferous at certain levels (megafossils, echinoid and bryozoan remains, and some Foraminifera); interbedded dolomitic limestone, gray, saccharoidal, glauconitic at depth	330	1,090
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Asterigerina sp., *Nonion advena*, *Nonion inexcavatus*, *Discorbis assulata*, *Gyroidina soldanii* var., *Cibicides americanus* var. at 760-770.

Glauconite common at 1033-1088.

Tallahatta Formation:

Limestone: as above; interbedded sand, fine to medium-grained, subangular, coarsely glauconitic; limestone, white, rather massive, coarsely glauconitic, fossiliferous (fragments, casts and molds of megafossils)	90	1,180
Sand: fine to medium-grained, subangular, phosphatic, somewhat indurated at certain levels	130	1,310

In Lower Eocene(?): Wilcox Group (Undifferentiated):

Clay: dark-gray, somewhat indurated and fissile, micaceous, carbonaceous, glauconitic, fossiliferous (megafossils and some Foraminifera); interbedded thin beds of claystone, dark-gray, dense, abundantly glauconitic, cherty; beds of sand, as above	145	1,455
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Paleocene: Midway Group: Clayton Formation:

Limestone: light-gray, dense, crystalline, sandy, coarsely glauconitic, fossiliferous at certain levels (macroshells with bryozoan remains); interbedded clay, dark-gray to black, somewhat fissile, carbonaceous, micaceous	90	1,545
Sand: medium-grained, angular; interbedded clay, as above	155	1,700

Upper Cretaceous(?) (Undifferentiated):

Sand: fine to coarse-grained, angular; clay, dark-gray, somewhat fissile, micaceous, pyritiferous	151	1,851
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	Thickness (feet)	Depth (feet)
Upper Cretaceous: Post-Tuscaloosa (Undifferentiated):		
Sand: fine to medium-grained, angular; interbedded clay, dark-gray, micaceous, pyritiferous, fossiliferous at certain horizons (Foraminifera)	149	2,000
<i>Anomalina pseudopapillosa</i> at 1851-1856.		
<i>Planulina taylorensis</i> at 2157-2162.		
Marl: dark-gray to brown at depth, silty, carbonaceous, micaceous, pyritiferous, fossiliferous at certain horizons (macroshells and Foraminifera)	358	2,358
Marl: as above; interbedded sand, fine to medium-grained, angular, glauconitic, phosphatic, fossiliferous at certain horizons (macroshells)	262	2,620
Sand: fine to medium-grained, angular, phosphatic, somewhat indurated, fossiliferous (macroshells)	50	2,670
Tuscaloosa Formation:		
Sand: fine to coarse-grained, angular, arkosic; relatively thin stringers of clay, gray to pale-green, somewhat fissile, iron-stained, micaceous, sandy	130	2,800
Clay or shale: gray, carbonaceous, micaceous having a somewhat speckled appearance; interbedded sand, fine to coarse-grained, angular, arkosic	130	2,930
Sand: fine to coarse-grained, angular	91	3,021
Sand: coarse-grained, angular, arkosic, rather massive; interbedded clay, green to red (mottled), micaceous, sideritic, sandy	489	3,510
Lower Cretaceous(?) (Undifferentiated):		
Clay: mottled, waxy, highly micaceous, sandy; interbedded sand, fine to coarse-grained, angular, arkosic	153	3,663
Sideritic nodules common at 3552-3562.		
Basement Complex (Undifferentiated):		
Crystalline rocks	17	3,680
Summary:		
No samples	375	375
In Miocene (undifferentiated)	73	448
Oligocene (undifferentiated)	38	486
No samples	20	506
In upper Eocene (Ocala limestone)	254	760

	Thickness (feet)	Depth (feet)
Middle Eocene (Lisbon formation)	330	1,090
Middle Eocene (Tallahatta formation)	220	1,310
In lower Eocene (?) (Wilcox group, undifferentiated)	145	1,455
Paleocene (Clayton formation)	245	1,700
Upper Cretaceous (?) (undifferentiated)	151	1,851
Upper Cretaceous (post-Tuscaloosa, undifferentiated)	819	2,670
Upper Cretaceous (Tuscaloosa formation)	840	3,510
Lower Cretaceous (?) (undifferentiated)	153	3,663
Basement complex (undifferentiated)	17	3,680

Potential Water-Bearing Zones:

Limestone	310	760
Sand: fine to medium-grained	130	1,310
Sand: medium-grained	135	1,680

TREUTLEN COUNTY

Location: 6 mi. west of Soperton, Land Lot 221, Ga. Well No.: GGS 127
 Military District 1386 Elev.: 291
 Owner: No. 1 James Fowler
 Driller: Rose and Ray
 Drilled: 1940

	Thickness (feet)	Depth (feet)
No samples	765	765

In Middle Eocene: Claiborne Group (Undifferentiated):

Limestone: light-gray to white, dense, crystalline, sandy, phosphatic (finely disseminated), coarsely glauconitic, fossiliferous (fragments, casts and molds of megafossils, Ostracods and Foraminifera)

130 895

Nonion advena, *Gyroidina soldanii* var., *Eponides jacksonensis*, *Nonion inexcavatus*, *Cibicides pseudoungerianus*, *Cibicides americanus* var. at 765-815.

Lepidocyclina (*Polylepidina*) *antillea*, *Asterigerina* sp. at 815-825.

Asterocyclina monticellensis at 835-855.

Indurated sand: dark-gray, somewhat argillaceous, dense, phosphatic (finely disseminated), carbonaceous, micaceous, fossiliferous (some Foraminifera)

20 915

Cibicides blaupiedi at 895-915.