

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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ATLANTA
1961

BLECKLEY COUNTY

Location: 0.6 mi. north of Railway Depot in Cochran, Well No.: GGS 106
 approximately 0.25 mi. east of Highway 129 in Elev.: 364
 Cochran

Owner: No. 1, Hill Lumber Company

Driller: Layne-Atlantic Company

Drilled: February 1946

	Thickness (feet)	Depth (feet)
Miocene (Undifferentiated):		
Clay: pale-green to mottled, sandy, limonitic	79	79
Oligocene (Undifferentiated):		
Limestone: gray, extremely dense (silicified), very cherty	17	96
Summary:		
Miocene (undifferentiated)	79	79
Oligocene (undifferentiated)	17	96

Potential Water-Bearing Zones:

None observed to total depth of well; well unsuccessful.

BLECKLEY COUNTY

Location: Northeastern part of city, 0.5 mi. east of Well No.: GGS 195
 Highway 129 in City of Cochran Elev.: 354
 Owner: City of Cochran Well No. 2
 Driller: Layne-Atlantic Company
 Drilled: December 1949

	Thickness (feet)	Depth (feet)
Miocene and Oligocene Residuum:		
Clay: mottled to pale-green, sandy; some sand, fine to coarse-grained; fragments of residual limestone, much leached, cherty, fossiliferous (bryozoan remains and Foraminifera)	95	95
<i>Rotalia byramensis</i> at 0-95.		
In Oligocene (Undifferentiated):		
Limestone: white, dense (much calcitized), cherty, fossiliferous (some bryozoan remains and impressions of mega-fossils)	4	99

	Thickness (feet)	Depth (feet)
Upper Eocene: Jackson Group: Cooper Marl:		
Sand: fine to medium-grained, limey, fossiliferous (Foraminifera)	26	125
<i>Bulimina jacksonensis</i> , <i>Uvigerina</i> sp. at 99-125.		
Barnwell Formation (Twiggs Clay Member):		
Marl: light-gray, somewhat sandy to "tight," glauconitic, fossiliferous (Foraminifera)	29	154
<i>Bulimina jacksonensis</i> common at 125-135.		
Limestone: gray, dense (much calcitized), sandy, finely glauconitic	5	159
Marl: light-gray, glauconitic; some limestone, cream, soft, fossiliferous (abundant bryozoan remains)	30	189
Ocala Limestone (Tivola Tongue):		
Limestone: cream, soft, fossiliferous (consists almost entirely of bryozoan remains)	9	198
Barnwell Formation (Twiggs Clay Member):		
Marl: light-gray, glauconitic; some limestone, cream, soft, fossiliferous (abundant bryozoan remains)	13	211
Ocala Limestone (Tivola Tongue):		
Limestone: cream, soft, fossiliferous (consists almost entirely of bryozoan remains)	39	250
<i>Lepidocyclina</i> cf. <i>L. ocalana</i> at 211-217.		
Middle Eocene: Claiborne Group: Gosport Sand:		
Sand: fine to medium-grained, angular	10	260
Lisbon Formation:		
Clay: light-gray, sandy, finely glauconitic; fossiliferous (some Foraminifera)	60	320
<i>Cibicides westi</i> at 260-320.		
Lower Eocene(?) and Paleocene(?) (Undifferentiated):		
Sand: coarse-grained; some clay, gray to pink, sandy, lignitic	74	394
Sand: fine to medium-grained	16	410

	Thickness (feet)	Depth (feet)
Upper Cretaceous: Tuscaloosa Formation:		
Clay: white to gray to brick-red, sandy, lignitic, micaceous; some sand, fine to medium-grained	140	550
Sand: fine to coarse-grained; some thin stringers of clay, gray to pink, sandy, micaceous	61	611

Summary:

Miocene and Oligocene residuum	95	95
In Oligocene (undifferentiated)	4	99
Upper Eocene (Cooper marl)	26	125
Upper Eocene (Barnwell formation, Twiggs clay member)	64	189
Upper Eocene (Ocala limestone, "Tivola tongue")	9	198
Upper Eocene (Barnwell formation, Twiggs clay member)	13	211
Upper Eocene (Ocala limestone, "Tivola tongue")	39	250
Middle Eocene (Gosport sand)	10	260
Middle Eocene (Lisbon formation)	60	320
Lower Eocene(?) and Paleocene(?) (undifferentiated)	90	410
Upper Cretaceous (Tuscaloosa formation)	201	611

Potential Water-Bearing Zones:

Sand: fine to medium-grained	10	260
Sand: fine to coarse-grained	74	394
Sand: fine to coarse-grained	19	534
Sand: fine to coarse-grained	61	611

BLECKLEY COUNTY

Location: At Cary

Well No.: GGS 277

Owner: No. 1 Smith

Driller: H. B. Truluck

Drilled: 1950

	Thickness (feet)	Depth (feet)
No samples	25	25

In Miocene and Oligocene Residuum:

Clay: light-gray to pale-green, cherty at depth; interbedded sand, fine to coarse-grained, limonitic, arkosic	110	135
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Summary:

No samples	25	25
In Miocene and Oligocene residuum	110	135