

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

MARION COUNTY

Location: 7.5 mi. south of Marion-Talbot County line, east side of Highway 41, north side of dwelling
 Well No.: GGS 443
 Elev.: 680
 Owner: No. 1 James Rush
 Driller: Southeastern Drilling Company
 Drilled: August 1955

	Thickness (feet)	Depth (feet)
No samples	10	10

In Upper Cretaceous: Blufftown and Eutaw (Undifferentiated):

Sand: fine to coarse-grained, angular, arkosic, limonitic; interbedded clay, gray to yellow to brown to red (mottled), micaceous, sandy	244	254
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Summary:

No samples	10	10
In Upper Cretaceous (Blufftown and Eutaw, undifferentiated)	244	254

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	8	176
Sand: fine to coarse-grained	7	234
Sand: fine to coarse-grained	3	246
Sand: fine to coarse-grained	6	254

Remarks:

Additional aquifers occur at still lower levels, i.e. in the more deeply buried Tuscaloosa formation.

MARION COUNTY

Location: Approximately 4 mi. southeast of Buena Vista, about ½ mi. west of Highway 26, Land Lot 207, Land District 31
 Well No.: GGS 476¹
 Elev.: 600¹
 Owner: No. 1 Senator Burgin
 Operator: Lee Oil and Gas Company
 Drilled: February 1956

	Thickness (feet)	Depth (feet)
Paleocene: Midway Group: Clayton Formation:		
Clay: brick-red, very sandy, limonitic; inclusions of kaolin, white, sandy, micaceous	10	10
No samples	10	20

¹Approximate elevation above sea level.

	Thickness (feet)	Depth (feet)
In Upper Cretaceous: Providence Sand:		
Sand: fine to coarse-grained, subangular, micaceous, limonitic; interbedded clay, light-gray to red (somewhat mottled), sandy, micaceous	80	100
Sand: coarse-grained, subangular, arkosic, limonitic; interbedded clay, dark-bluish-gray, sandy, micaceous; pyritiferous; indurated sand, fine to medium-grained, rather dense, crystalline, pyritiferous, micaceous, fossiliferous (mega-fossils)	80	180
In Ripley and Cusseta (Undifferentiated):		
Sand: fine to medium-grained, subangular; interbedded clay, red to dark-bluish-gray, sandy, micaceous, pyritiferous, fossiliferous at certain levels (macroshells)	250	430
Sand: coarse-grained, subangular; interbedded clay, white, to red (mottled), sandy, micaceous	50	480
In Blufftown and Eutaw (Undifferentiated):		
Sand: fine to medium-grained, subangular; interbedded clay, dark-brown, somewhat laminated, silty, very micaceous, lignitic, pyritiferous	30	510
Clay: dark-brown, laminated, silty, very micaceous, lignitic, pyritiferous, fossiliferous (macroshells, Ostracods and Foraminifera at depth); interbedded sand, fine to medium-grained, subangular, micaceous, pyritiferous, lignitic	410	920
Sand: medium-grained, coarser-grained with increased depth, subangular, phosphatic, somewhat arkosic, micaceous, pyritiferous	40	960
In Upper Tuscaloosa Formation:		
Sand: coarse-grained, subangular, arkosic, lignitic, containing scattered grains of "rose quartz"	110	1,070
Sand: as above but somewhat finer-grained; interbedded kaolin, light-gray to red (mottled), sandy, micaceous	80	1,150
In Middle Tuscaloosa Formation:		
Clay: dark-gray to pale-yellowish-green, somewhat iron stained, laminated, sandy, micaceous, carbonaceous; interbedded sand, coarse-grained, subangular, arkosic	160	1,310

	Thickness (feet)	Depth (feet)
In Lower Tuscaloosa Formation:		
Sand: coarse-grained, subangular grains of "rose quartz"; interbedded clay, yellowish-green to brick red to purple (mottled), very micaceous, greasy appearing, sandy.....	220	1,530
Sand: as above but finer-grained; interbedded clay, as above.....	60	1,590

Basement Complex (Undifferentiated):

Crystalline rock: dark-gray to black, dense, crystalline, biotite gneiss (?)	180	1,770
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Summary:

Paleocene (Clayton formation).....	10	10
No samples	10	20
In Upper Cretaceous (Providence sand).....	160	180
In Upper Cretaceous (Ripley and Cusseta, undifferentiated).....	300	480
In Upper Cretaceous (Blufftown and Eutaw, undifferentiated).....	480	960
In Upper Cretaceous (Tuscaloosa formation).....	630	1,590
Basement complex (undifferentiated).....	180	1,770

Remarks:

1. Interval 430-480 probably representative of Cusseta sand.
2. Interval 920-960 possible Eutaw formation restricted.

MILLER COUNTY

Location: Below elevated steel reservoir in Colquitt
 Owner: No. 2 City of Colquitt
 Driller: W. B. Graham
 Drilled: June 1946

Well No.: GGS 112
 Elev.: 169

	Thickness (feet)	Depth (feet)
No samples	450	450
In Lower Eocene: Wilcox Group (Undifferentiated):		
Limestone: white, sandy, coarsely glauconitic, fossiliferous (Foraminifera)	70	520
<i>Asterocyclina</i> sp. at 510-520.		
Sand: fine to medium-grained, glauconitic, fossiliferous (Foraminifera)	140	660
<i>Eponides dorfi</i> at 600-610.		
Marl: gray, silty, carbonaceous, micaceous.....	50	710
No samples	230	940