

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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Prepared cooperatively by the U. S. Geological Survey

ATLANTA
1961

	Thickness (feet)	Depth (feet)
Tuscaloosa Formation:		
Sand: fine to coarse-grained, arkosic; some clay (or kaolin), gray to pink (mottled), micaceous, sandy	35	315
No samples	11	326
Sand: coarse-grained, arkosic	34	360
No samples	36	396
Sand: fine to coarse-grained	109	505
Clay: gray to brick-red, very micaceous, sandy	12	517

Summary:

Paleocene (Clayton formation)	32	32
No samples	3	35
In Upper Cretaceous (Providence sand)	85	120
In Upper Cretaceous (Ripley and Cusseta, undifferentiated)	90	210
In Upper Cretaceous (Blufftown and Eutaw, undifferentiated)	70	280
Upper Cretaceous (Tuscaloosa formation)	237	517

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	25	145
Sand: fine to coarse-grained	30	190
Sand: fine to coarse-grained	20	230
Sand: fine to coarse-grained	40	320
Sand: fine to coarse-grained	40	410
Sand: fine to coarse-grained	25	480

Remarks:

Overall quality of samples poor. Potential water-bearing zones selected from electric log of well.

PEACH COUNTY

Location: 1.0 mi. northeast of Central of Georgia R.R. Station, in Fort Valley

Well No.: GGS 426

Elev.: 525¹

Owner: No. 1 Atlantic Ice Company

Driller: Layne-Atlantic Company

Drilled: April 1955

	Thickness (feet)	Depth (feet)
Paleocene: Midway Group: Clayton Formation:		
Clay: brick-red, sandy, limonitic	20	20

¹Average elevation based on Georgia State Highway Maps.

	Thickness (feet)	Depth (feet)
Upper Cretaceous: Providence Sand:		
Kaolin: white to red (mottled), sandy.....	10	30
Sand: fine to coarse-grained; some clay, as above.....	25	55
Kaolin: white to red (mottled), very sandy.....	7	62
Sand: fine to medium-grained, angular, limonitic, arkosic.....	13	75
Clay: mottled, very sandy.....	17	92
Ripley and Cusseta (Undifferentiated):		
Clay: light tan, sandy.....	16	108
Sand: fine to coarse-grained, angular; some clay, as above.....	39	147
Sand: fine to coarse-grained, angular, limonitic, arkosic.....	33	180
Blufftown and Eutaw (Undifferentiated):		
Clay: dark-gray to black, sandy, very micaceous.....	5	185
Sand: fine to coarse-grained, angular, arkosic.....	25	210
Clay: light-gray to red (mottled), very sandy.....	7	217
Sand: fine to coarse-grained, angular, arkosic.....	18	235
In Tuscaloosa Formation:		
Sand: fine to coarse-grained, angular, arkosic; some clay, red, micaceous.....	68	303
Sand: fine to coarse-grained, angular, arkosic; interbedded clay (or kaolin), white to red (mottled), micaceous, sandy.....	102	405
Clay: gray to brick-red, micaceous, sandy.....	25	430
Sand: fine to coarse-grained, angular, arkosic; interbedded thin stringers of clay (or kaolin), gray to red (mottled), micaceous, sandy.....	71	501
Summary:		
Paleocene (Clayton formation).....	20	20
Upper Cretaceous (Providence sand).....	72	92
Upper Cretaceous (Ripley and Cusseta, undifferentiated).....	88	180
Upper Cretaceous (Blufftown and Eutaw, undifferentiated).....	55	235
In Upper Cretaceous (Tuscaloosa formation).....	266	501

Potential Water-Bearing Zones:

Sand: fine to coarse-grained.....	67	175
Sand: fine to coarse-grained.....	25	210

	Thickness (feet)	Depth (feet)
Sand: fine to coarse-grained.....	13	230
Sand: fine to coarse-grained.....	92	337
Sand: fine to coarse-grained.....	47	405
Sand: fine to coarse-grained.....	37	467
Sand: fine to coarse-grained.....	25	495

PIERCE COUNTY

Location: 1.5 mi. east of Offerman, Land Lot 329, 4th Land District Well No.: GGS 119
 Elev.: 75
 Owner: No. 1 Adams-McCaskill
 Driller: W. B. Hinton
 Drilled: May 1938

	Thickness (feet)	Depth (feet)
No samples.....	120	120
In Miocene (Undifferentiated):		
Sand: fine to coarse-grained; limestone, white, rather dense (much calcitized), sandy, phosphatic.....	360	480
Sand and limestone: as above; dolomitic limestone, light- brown, saccharoidal.....	105	585

Oligocene (Undifferentiated):

Sand and limestone: as above with more limestone at depth,
 light-gray to white at depth, much calcitized, nodular, sac-
 charoidal, fossiliferous (macroshells and Foraminifera)..... 15 600
Quinqueloculina sp. at 585-600.

Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: white to cream, sandier more calcitized and dolo-
 mitized at depth, fossiliferous (bryozoan and echinoid re-
 mains, some macroshells, and Foraminifera)..... 265 865

Bryozoan remains prominent at 600-630.

Camerina sp. at 675-690.

Operculinoides floridensis, *Lepidocyclina* sp. at 690-705.

Asterocyclina nassauensis at 705-720.

Gypsina globula, *Pseudophragmina flintensis* at 720-735.

Camerina striatoreticulata common at 735-750.

Operculina mariannensis at 765-780.

Limestone as above but much sandier at 780-810.

Limestone as above but more dolomitized with depth at 810-
 865.