

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

COLQUITT COUNTY

Location: Southeastern part of city, 0.6 mi. south of Well No.: GGS 175
 Georgia Northern R.R., east side of Second St., near Elev.: 317
 concrete reservoir in Moultrie

Owner: No. 5 City of Moultrie

Driller: Stevens Southern Drilling Company

Drilled: 1948

	Thickness (feet)	Depth (feet)
Miocene (Undifferentiated):		
Clay: mottled, sandy, limonitic.....	50	50
Clay: yellowish-green, sandy; interbedded sand, fine to coarse-grained, angular; arkosic.....	200	250
Limestone: white, dense, sandy, dolomitized at certain levels; interbedded clay and sand, as above.....	210	460

Oligocene (Undifferentiated):

Limestone: cream, nodular, much calcitized, fossiliferous (casts and molds of molluscan shells, echinoid and bryozoan remains, and Foraminifera); interbedded tongues of partially dolomitized limestone, light-brown, somewhat saccharoidal, massive, fossiliferous (Foraminifera including abundant <i>Miliolids</i>).....	80	540
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Rotalia mexicana var., *Asterigerina subacuta* at 460-470.

Upper Eocene: Jackson Group: Ocala Limestone:

Dolomitic limestone: dark-brown, saccharoidal, unfossiliferous.....	160	700
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Middle Eocene: Claiborne Group: Lisbon Formation:

Limestone: cream, somewhat nodular, much calcitized, granular, fossiliferous (bryozoan remains and some Foraminifera).....	300	1,000
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Lepidocyclina sp. common at 700-710.

Summary:

Miocene (undifferentiated).....	460	460
Oligocene (undifferentiated).....	80	540
Upper Eocene (Ocala limestone).....	160	700
Middle Eocene (Lisbon formation).....	300	1,000

Potential Water-Bearing Zones:

Limestone.....	300	1,000
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Remarks:

Because the dolomitic limestone contains gypsum and yields hard water, it is not a good source of ground water. The best available aquifer in this well appears to be the interval 700-1000.

COLUMBIA COUNTY

Location: Approximately 1 mi. north of Highway 12 on top of high hill, in Grovetown
 Well No.: GGS 264
 Elev.: 500
 Owner: No. 1 City of Grovetown
 Driller: Virginia Supply and Well Company
 Drilled: 1951

	Thickness (feet)	Depth (feet)
Upper Eocene: Jackson Group: Barnwell Formation:		
Sand: argillaceous, tan, fine to medium-grained, limonitic; inclusions of kaolin, white, micaceous, somewhat sandy.....	40	40
Upper Cretaceous: Tuscaloosa Formation:		
Clay (or kaolin): gray, sandy.....	40	80
Sand: yellow, fine to coarse-grained.....	8	88
Kaolin: white, abundantly micaceous, sandy.....	47	135
Basement Complex (Undifferentiated):		
Clay: yellow, very sandy, garnet and hornblende crystals.....	21	156
Crystalline rock.....	144	300

Summary:

Upper Eocene (Barnwell formation).....	40	40
Upper Cretaceous (Tuscaloosa formation).....	95	135
Basement complex (undifferentiated).....	165	300

Potential Water-Bearing Zones:

Sand: fine to coarse-grained.....	8	88
Crystalline rock (fractures in).....	144	300