

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)
Potential Water-Bearing Zones:		
Limestone	275	575
Limestone	155	830

COLQUITT COUNTY

Location: 80 ft. south of First Avenue at Water Works in Moultrie
 Owner: No. 4 City of Moultrie
 Driller: Stevens Southern Drilling Company
 Drilled: October 1943

Well No.: GGS 22
 Elev.: 308

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Sand: fine to coarse-grained, subangular; clay, dark-gray to black, sandy, lignitic, limonitic	10	10
Miocene (Undifferentiated):		
Sand: fine-grained, phosphatic (finely disseminated); some clay, yellowish-green, somewhat indurated, tough	83	93
Clay: dark-green, somewhat indurated, blocky, sandy; interbedded limestone, white, to light-brown (latter dolomitized, saccharoidal), rather massive, sandy	282	375
Limestone: white to light-brown (latter dolomitized, saccharoidal), massive, somewhat saccharoidal, sandy	95	470
Dolomitic limestone: dark-brown, massive, saccharoidal	25	495
Oligocene (Undifferentiated):		
Limestone: light-gray to brown, nodular, crystalline, dense, much calcitized, fossiliferous (Ostracods and abundant Foraminifera); interbedded dolomitic limestone, dark-brown, saccharoidal, massive	50	545
<i>Rotalia mexicana</i> var., <i>Asterigerina</i> sp., <i>Lepidocyclina</i> sp. at 495-505.		
Upper Eocene: Jackson Group: Ocala Limestone:		
Dolomitic limestone: light-brown, saccharoidal, massive	155	700

	Thickness (feet)	Depth (feet)
Middle Eocene: Claiborne Group: Lisbon Formation		
Limestone: cream, granular, much calcitized, fossiliferous (macroshells, echinoid and bryozoan remains and Foraminifera)	100	800
<i>Robulus alato-limbatus</i> , <i>Lenticulina fragaria</i> var., <i>Nodosaria latejugata</i> var., <i>Eponides jacksonensis</i> at 700-720.		
<i>Asterocyclina</i> sp. at 760-775.		

Summary:

Pliocene to Recent (undifferentiated)	10	10
Miocene (undifferentiated)	485	495
Oligocene (undifferentiated)	50	545
Upper Eocene (Ocala limestone)	155	700
Middle Eocene (Lisbon formation)	100	800

Potential Water-Bearing Zones:

Limestone	100	800
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Remarks:

Dolomitic limestone yields hard water. The strata of Oligocene age in the above well are composed largely of dolomitic limestone. The underlying limestones of Ocala age constitute the principal source of ground water in this well.

COLQUITT COUNTY

Location: 760 ft. west of east line, 210 ft. north of south line, Land Lot 270, 8th Land District
 Well No.: GGS 170
 Elev.: 270
 Owner: No. 1 D. G. Arrington (derrick floor)
 Driller: R. T. Adams Drilling Company
 Drilled: August 1948

	Thickness (feet)	Depth (feet)
No samples	120	120

In Miocene (Undifferentiated):

Clay: pale-green, sandy; interbedded limestone, white, dense, phosphatic, somewhat dolomitized at certain levels, sandy, fossiliferous at depth (casts and molds of megafossils)	270	390
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Casts and molds of megafossils prominent at 330-340.