

GEORGIA
STATE DIVISION OF CONSERVATION
DEPARTMENT OF MINES, MINING AND GEOLOGY
GARLAND PEYTON, Director

THE GEOLOGICAL SURVEY
Bulletin Number 70

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)
Oligocene (Undifferentiated):		
Limestone: light-gray, nodular, extremely dense and crystalline, very sandy, somewhat cherty, sparsely phosphatic, fossiliferous (some echinoid and bryozoan remains, and Foraminifera)	65	380
<i>Rotalia mexicana</i> var., <i>Asterigerina</i> sp. at 315-320.		
<i>Gypsina globula</i> ² , <i>Quinqueloculina</i> sp., <i>Rotalia mexicana</i> var., <i>Asterigerina</i> sp. at 320-330.		

Limestone: as above, but reddish-brown	20	400
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Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: cream, rather soft and chalky, somewhat granular at depth, fossiliferous (echinoid and bryozoan remains and Foraminifera)	112	512
<i>Lepidocyclina</i> sp. common at 400-410.		
<i>Gypsina globula</i> common at 410-420.		
<i>Lepidocyclina</i> ³ sp. common to abundant at 450-460.		

Summary:

Miocene (undifferentiated)	315	315
Oligocene (undifferentiated)	85	400
Upper Eocene (Ocala limestone)	112	512

Potential Water-Bearing Zones:

Limestone	132	512
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MONTGOMERY COUNTY

Location: Approximately 6 mi. south of Soperton Well No.: GGS 600
 on U.S. Highway 221 (State Highway 56)
 Owner: No. 1 C. H. Goff
 Driller: M. M. Gray Well Drilling Company
 Drilled: 1959

	Thickness (feet)	Depth (feet)
Miocene (Undifferentiated):		
Clay: pale-yellowish-green with red to purple streaks (mottled), very sandy, limonitic	50	50
Sand: fine to medium-grained, subangular, arkosic	55	105

²Reworked (?) fossil of middle Eocene age.³Probably *Lepid. chapieri*.

	Thickness (feet)	Depth (feet)
Sand: as above but coarser-grained.....	45	150
Clay: dark-brownish to olive-green, very sandy.....	125	275
Sand: fine-grained, subangular.....	5	280
Sand: coarse-grained, subangular, arkosic.....	3	283

Oligocene (Undifferentiated):

Limestone: light-gray, much calcitized, saccharoidal, fossiliferous (molds and impressions of megafossils and some Foraminifera).....	3	286
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Quinqueloculina sp. at 280-286.

Pyrgo sp., *Robulus arcuato-striatus* var., *Reussella* sp.,
Rotalia mexicana var., *Gypsina globula*¹, *Lepidocyclina*¹
sp. at 286-295.

Limestone: cream, rather massive, much calcitized, saccharoidal, fossiliferous (some Gastropods, echinoid and bryozoan remains and some Foraminifera).....	119	405
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In Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: light-gray to white, much calcitized, crystalline, fossiliferous (some macroshells, echinoid remains, bryozoan remains and some Foraminifera).....	150	555
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Bryozoan remains common at 415-425.

Lepidocyclina sp. at 425-435.

Operculinoides sp. at 445-455.

Middle Eocene: Claiborne Group: Lisbon Formation:

Limestone: as above but sandy.....	70	625
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Siphonina claibornensis, *Cibicides pseudoungerianus* var.
lisbonensis, *Cibicides westi* at 565-585.

Limestone: light-gray, massive, much calcitized, crystalline, dense, sparsely glauconitic, sparingly fossiliferous at certain levels (some macroshells, echinoid and bryozoan remains and Foraminifera).....	20	645
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Summary:

Miocene (undifferentiated).....	283	283
Oligocene (undifferentiated).....	122	405
In upper Eocene (Ocala limestone).....	150	555
Middle Eocene (Lisbon formation).....	90	645

Potential Water-Bearing Zones:

Limestone.....	269	555
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¹Reworked (?) fossil of middle Eocene age.