

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

EMANUEL COUNTY

Location: Approximately 8 mi. south of Swainsboro at Well No.: GGS 373
 Lexsy Elev.: 245
 Owner: No. 1 Lexsy Consolidated School
 Driller: Virginia Supply and Well Company
 Drilled: 1954

	Thickness (feet)	Depth (feet)
Miocene (Undifferentiated):		
Clay: bluish-gray to tan to red (mottled), very sandy	70	70
Oligocene (Undifferentiated):		
Limestone: cream, saccharoidal, finely disseminated black phosphatic grains, cherty, very sandy	80	150
Marl: dark-green, blocky, fossiliferous (some Ostracods and Foraminifera); limestone as above	15	165
<i>Spiroplectamina mississippiensis</i> , <i>Quinqueloculina</i> sp., <i>Reussella oligocenica</i> , <i>Rotalia mexicana</i> var., <i>Asterigerina subacuta</i> , <i>Nonion advena</i> , <i>Cibicides americanus</i> var., <i>Cibicides lobatulus</i> at 150-165.		
Sand: fine to coarse-grained, subangular; clay, yellowish-green, silty	15	180
Limestone: white to cream, nodular, saccharoidal, very sandy, fossiliferous (some macroshells, echinoid and bryozoan remains, Ostracods, and Foraminifera)	70	250
<i>Rotalia mexicana</i> var. at 180-250.		
Sand: medium-grained, subangular, light-brown phosphatic pebbles; some marl, cream, silty, somewhat granular, fossiliferous (some macroshells, echinoid and bryozoan remains, Ostracods, and Foraminifera)	20	270
<i>Discorbis alveata</i> , <i>Discorbis assulata</i> , <i>Discorbis cocoaensis</i> , <i>Canceris sagra</i> , <i>Valvulineria jacksonensis</i> , <i>Reussella byramensis</i> , <i>Nonion advena</i> , <i>Nonionella hantkeni</i> var., <i>Cibicides americanus</i> var., <i>Cibicides lobatulus</i> , <i>Rotalia mexicana</i> var. at 250-270.		

Summary:

Miocene (undifferentiated)	70	70
Oligocene (undifferentiated)	200	270

	Thickness (feet)	Depth (feet)
Potential Water-Bearing Zones:		
Limestone	70	250
Sand	15	265

EMANUEL COUNTY

Location: Approximately 1 mi. west of Garfield
 Owner: No. 1 Theodore Johnson
 Driller: Turner Well Drilling Company
 Drilled: 1959

Well No.: GGS 567
 Elev.: 255

	Thickness (feet)	Depth (feet)
Miocene (Undifferentiated):		
Clay: light-gray to purple (mottled), very sandy, micaceous.....	20	20
Sand: fine to coarse-grained, subangular, arkosic	20	40
Clay: yellowish-green, sandy, micaceous, carbonaceous, kaolin inclusions	20	60
Clay: as above, but much sandier	20	80
Sand: fine to coarse-grained, subangular, arkosic; some clay, dark-green, sandy, micaceous, carbonaceous	20	100
Clay: dark-green, sandy, carbonaceous	80	180
Clay: as above but much sandier and cherty	20	200
Clay: as above; limestone, light-brown, somewhat dolomitized, saccharoidal, sandy, phosphatic	30	230

Oligocene (Undifferentiated):

Limestone: light-brown, dense, saccharoidal, somewhat sandy,
fossiliferous (some macroshells, echinoid and bryozoan re-
mains, and Foraminifera)

50 280

Elphidium texanum, *Cibicides americanus* var., *Cibicides*
pseudoungerianus, *Cibicides lobatulus* at 230-250.

Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: cream to light-gray at depth, dense, granular,
sandy, somewhat fossiliferous (some macroshells, echinoid
and bryozoan remains)

70 350