

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)
Potential Water-Bearing Zones:		
Limestone	70	250
Sand	15	265

EMANUEL COUNTY

Location: Approximately 1 mi. west of Garfield

Well No.: GGS 567

Owner: No. 1 Theodore Johnson

Elev.: 255

Driller: Turner Well Drilling Company

Drilled: 1959

	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

	Thickness (feet)	Depth (feet)
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Summary:

Miocene (undifferentiated)	230	230
Oligocene (undifferentiated)	50	280
Upper Eocene (Ocala limestone)	70	350

Potential Water-Bearing Zones:

Sandstone	20	40
Limestone	70	350

EMANUEL COUNTY

Location: Approximately 4 mi. west of Garfield
 Owner: No. 1 O. O. Brown
 Driller: Turner Well Drilling Company
 Drilled: 1959

Well No.: GGS 568
 Elev.: 335

	Thickness (feet)	Depth (feet)
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No samples	200	200
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In Miocene (Undifferentiated):

Sand: fine to coarse-grained, subangular, arkosic; some clay, dark-green, sandy	20	220
Clay: dark-gray, sandy; limestone, white to cream, dense, saccharoidal, very sandy; phosphatic, somewhat fossiliferous (some macroshells, echinoid and bryozoan remains)	15	235

Oligocene (Undifferentiated):

Marl: white to pale-yellowish-green, blocky, fossiliferous (some macroshells, echinoid and bryozoan remains, and Foraminifera)	10	245
<i>Eponides byramensis</i> , <i>Baggina xenoula</i> , <i>Eponides alabamensis</i> , <i>Asterigerina subacuta</i> , <i>Discorbis assulata</i> , <i>Reussella oligocenica</i> , <i>Reussella byramensis</i> , <i>Discorbis hemisphaerica</i> , <i>Angulogerina byramensis</i> , <i>Cibicides americanus</i> var., <i>Rotalia byramensis</i> var., <i>Cibicides lobatulus</i> , <i>Cibicides hazzardi</i> , <i>Anomalina bilateralis</i> at 235-245.		
Clay: light-brown to yellowish-green, blocky; some marl (cave?), as above	20	265