

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)
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In Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: white, crystalline (much calcitized), fossiliferous, (abundant bryozoan remains and Foraminifera)	?	500
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Asterocyclina nassauensis, *Pseudophragmina flintensis*, *Operculinoidea floridensis* at 500.

Summary:

Pliocene to Recent (undifferentiated)	40	40
No samples	310	350
In Miocene (undifferentiated)	100	450
No samples	50	500
In upper Eocene (Ocala limestone)	?	500

Potential Water-Bearing Zones:

Limestone	?	500
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BRYAN COUNTY

Location: In Pembroke
 Owner: No. 1 City of Pembroke
 Driller: M. M. Gray Drilling Company
 Drilled: 1955

Well No.: GGS 459
 Elev.: 95

	Thickness (feet)	Depth (feet)
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Pliocene to Recent (Undifferentiated):

Sand: fine to coarse-grained, limonitic, arkosic; interbedded clay, bluish-gray to tan to red (mottled), sandy	30	30
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Miocene (Undifferentiated):

Clay: dark-green, somewhat indurated, blocky, sandy	10	40
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Sand: very coarse-grained, arkosic	50	90
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Clay: dark-green, sandy; interbedded sand, fine to coarse- grained, arkosic	40	130
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Clay: dark-green, sandy, cherty	60	190
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Black, phosphatic pebbles prominent at 180-190.

Clay: as above; interbedded dolomitic limestone, light-brown, sandy, phosphatic; sand, fine to coarse-grained, phosphatic	50	240
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	Thickness (feet)	Depth (feet)
Clay and sand: as above; interbedded limestone, light-gray to white, very dense (much calcitized), sandy, phosphatic	110	350

Dark-green chert prominent at 260-270.

Oligocene (Undifferentiated):

Limestone: gray to cream at depth, dense (much calcitized), nodular, somewhat sandy, fossiliferous (casts and molds of megafossils and some Foraminifera)	40	390
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Rotalia mexicana var. at 350-360.

Miliolidae abundant 370-380.

Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: cream to white at depth, somewhat saccharoidal (much calcitized), fossiliferous (macroshells, bryozoan remains, and Foraminifera)	87	477
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Macroshells prominent at 390-400.

Operculinoides floridensis at 390-400.

Asterocyclina nassauensis, *Gypsina vesicularis* at 400-410.

Pseudophragmina flintensis at 420-430.

Summary:

Pliocene to Recent (undifferentiated)	30	30
Miocene (undifferentiated)	320	350
Oligocene (undifferentiated)	40	390
Upper Eocene (Ocala limestone)	87	477

Potential Water-Bearing Zones:

Limestone	127	477
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BULLOCH COUNTY

Location: 3 mi. northeast of Statesboro, 0.1 mi. north-west of Highway 73 (Dover Road), at airfield
 Owner: No. 2 well at Airfield (City of Statesboro)
 Driller: Stevens Southern Company
 Drilled: November 1942

Well No.: GGS 81
 Elev.: 171

Thickness (feet)	Depth (feet)
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Pliocene to Recent (Undifferentiated):

Sand: fine-grained to coarser-grained at depth; some clay, brick-red, sandy	80	80
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