

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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Potential Water-Bearing Zones:

Sand: fine to very coarse-grained	10	200
Sand: fine to coarse-grained	10	340
Limestone and sand	90	430

CANDLER COUNTY

Location: Near Metter
 Owner: No. 1 Carl Daughtry
 Driller: Layne-Atlantic Company
 Drilled: 1955

Well No.: GGS 429
 Elev.: 225

	Thickness (feet)	Depth (feet)
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Miocene (Undifferentiated):

Sand: fine to coarse-grained, arkosic; some clay, bluish-gray to tan to red (mottled), sandy, limonitic	35	35
Clay: yellowish-green, sandy; interbedded sand, fine to coarse-grained, arkosic	60	95
Clay: dark-green to gray, sandy, phosphatic; interbedded sand, fine to coarse-grained, phosphatic	100	195
Light-brown to gray, phosphatic pebbles prominent at 95-105.		
Clay: dark-green, sandy, phosphatic; interbedded limestone, gray, dense, sandy, fossiliferous (macroshells)	35	230
Indurated sand: gray, phosphatic, fossiliferous (a coquina)	10	240
Dolomitic limestone: light-brown, sandy, phosphatic	10	250
Sand: fine to coarse-grained, phosphatic	20	270
Clay: gray, sandy, phosphatic	20	290
Limestone: dark-gray, extremely dense (much calcitized), very sandy, phosphatic, fossiliferous (megafossils)	30	320
No samples	10	330

In Oligocene (Undifferentiated):

Limestone: light-gray, dense, massive, crystalline, fossiliferous (some macroshells, echinoid and bryozoan remains, and Foraminifera)	40	370
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	Thickness (feet)	Depth (feet)
<i>Rotalia mexicana</i> var., <i>Camerina</i> sp., <i>Quinqueloculina</i> sp. at 330-340.		
Limestone: cream, rather soft and chalky, fossiliferous (as above)	65	435
No samples	20	455

In Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: cream, soft, chalky, somewhat granular, fossiliferous (some echinoid and bryozoan remains, and Foraminifera)	122	577
<i>Robulus arcuato-striatus</i> var., <i>Eponides jacksonensis</i> , <i>Nonion planatus</i> , <i>Siphonina jacksonensis</i> , <i>Gypsina globula</i> , <i>Lepidocyclina</i> sp. at 455-475.		

Summary:

Miocene (undifferentiated)	320	320
No samples	10	330
In Oligocene (undifferentiated)	105	435
No samples	20	455
In upper Eocene (Ocala limestone)	122	577

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	20	270
Limestone	207	577

Remarks:

Top of Ocala limestone may be in "soft limestone" at 370-435. However, no fossils of upper Eocene age were recovered at this depth.

CANDLER COUNTY

Location: Approximately 4 mi. northeast of Metter
 Owner: No. 1 J. O. Rocker
 Driller: Turner Well Drilling Company
 Drilled: May 1959

Well No.: GGS 574
 Elev.: 260

Miocene (Undifferentiated):

Clay: pale-greenish-gray with red to purple streaks (mottled), sandy, limonitic	43	43
Sand: fine to coarse-grained, subangular, arkosic	21	64