

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)
<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

	Thickness (feet)	Depth (feet)
Clay: pale-yellowish-green to brownish-gray, blocky, sandy	80	144
Clay: as above but much sandier	61	205
Clay: dark-greenish-gray, somewhat indurated, tough, sandy, phosphatic, fossiliferous at depth; interbedded limestone, white, rather dense, sandy	120	325
Macroshells and phosphatic pebbles prominent at 246-265.		
Indurated sand, changing at depth to a sandy limestone: light-gray, fine-grained, dense, phosphatic, fossiliferous (a coquina with macroshells and Foraminifera)	20	345
<i>Archaias</i> sp. at 328-349.		

Oligocene (Undifferentiated):

Limestone: cream, massive, nodular, fossiliferous (chiefly Gastropods, bryozoan remains and some Foraminifera)	85	430
<i>Asterigerina</i> sp., <i>Rotalia mexicana</i> var. at 349-369.		
<i>Lepidocyclina</i> ¹ sp., <i>Gypsina globula</i> ¹ , <i>Operculinoides</i> ¹ sp. at 369-388.		

Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: cream, softer than above, somewhat granular and loosely consolidated, much calcitized, fossiliferous (some macroshells, bryozoan remains and Foraminifera)	41	471
<i>Robulus limbosus</i> var., <i>Robulus arcuato-striatus</i> , <i>Eponides jacksonensis</i> , <i>Siphonina jacksonensis</i> , <i>Nonion planatus</i> , <i>Gypsina globula</i> (common) at 451-471.		

Summary:

Miocene (undifferentiated)	345	345
Oligocene (undifferentiated)	85	430
Upper Eocene (Ocala limestone)	41	471

Potential Water-Bearing Zones:

Limestone	126	471
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¹Reworked(?) fossil of middle Eocene age.