

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)
Sand: fine to medium-grained, subangular, phosphatic; interbedded clay and limestone, as above.....	40	490
Limestone: cream, sandy, phosphatic, fossiliferous (fragments and impressions of megafossils).....	20	510
Sand: fine to coarse-grained, subangular to subrounded.....	80	590

Oligocene (Undifferentiated):

Limestone: cream, nodular, somewhat granular, fossiliferous (bryozoan remains and Foraminifera).....	40	630
<i>Rotalia mexicana</i> var. at 590-600.		

Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: white, much calcitized, crystalline, fossiliferous (abundant macroshells, bryozoan remains, and some Foraminifera).....	150	780
<i>Lepidocyclina</i> sp. at 630-640.		
<i>Operculinoides</i> sp. at 640-650.		
<i>Pseudophragmina flintensis</i> , <i>Asterocyclina</i> sp. at 720-730.		

Summary:

Pliocene to Recent (undifferentiated).....	265	265
Miocene (undifferentiated).....	325	590
Oligocene (undifferentiated).....	40	630
Upper Eocene (Ocala limestone).....	150	780

Potential Water-Bearing Zones:

Sand: fine to coarse-grained.....	45	120
Sand: fine to medium-grained.....	50	390
Sand: fine to coarse-grained.....	80	590
Limestone.....	150	780

MACON COUNTY

Location: 40' west of Highway 90, north side of Beaver Creek, in Montezuma
 Owner: No. 1 City of Montezuma
 Driller: Layne-Atlantic Company
 Drilled: 1938

Well No.: GGS 60
 Elev.: 280

	Thickness (feet)	Depth (feet)
Lower Eocene: Wilcox Group (Undifferentiated):		
Sand: medium to coarse-grained, limonitic.....	65	65
Paleocene: Midway Group: Clayton Formation:		
Sand: as above; and clay, brown, lignitic.....	20	85

	Thickness (feet)	Depth (feet)
Upper Cretaceous: Providence Sand:		
Sand: fine to coarse-grained, limonitic, pyritiferous, lignitic, containing fragments of fossil wood.....	57	142
Limestone: gray, dense, sandy, crystalline (in texture), fossil- iferous (macroshells); indurated sand at depth.....	64	206
<i>Inoceramus</i> prisms prominent at 180-206.		
Ripley and Cusseta (Undifferentiated):		
Clay: light- to dark-bluish-gray, micaceous, sandy, pyritifer- ous, fossiliferous (Foraminifera).....	62	268
No samples.....	22	290
Sand: fine to coarse-grained; limestone, gray, dense, sandy; and clay, as above.....	112	402
Blufftown Formation:		
Sand: fine to coarse-grained; and clay, brown, fissile, highly micaceous, lignitic.....	13	415
Sand: fine to coarse-grained; interbedded clay, brown, fissile, splintery, highly micaceous, lignitic.....	121	536
Summary:		
Lower Eocene (Wilcox group, undifferentiated).....	65	65
Paleocene (Clayton formation).....	20	85
Upper Cretaceous (Providence sand).....	121	206
Upper Cretaceous (Ripley and Cusseta, undifferentiated).....	196	402
Upper Cretaceous (Blufftown formation).....	134	536
Potential Water-Bearing Zones:		
Sand: fine to coarse-grained.....	57	142
Sand: fine to coarse-grained.....	26	206
Sand: fine to coarse-grained.....	33	445
Sand: fine to coarse-grained.....	30	536
Remarks:		
Well contains numerous sample gaps, hence complete resume of potential water- bearing sands cannot be picked.		