

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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ATLANTA
1961

MACON COUNTY

Location: At old Water Works Plant, approximately 200 yards southeast of southeast corner of R.R. Station in Montezuma

Well No.: GGS 145
Elev.: 277

Owner: No. 2 City of Montezuma

Driller: Layne-Atlantic Company

Drilled: April 1947

	Thickness (feet)	Depth (feet)
Lower Eocene: Wilcox Group (Undifferentiated):		
Sand: fine to coarse-grained; interbedded clay, light-gray, fossiliferous at certain horizons.....	66	66
Paleocene: Midway Group: Clayton Formation:		
Clay: chocolate, blocky, lignitic; sand, fine to medium-grained....	15	81
Upper Cretaceous: Providence Sand:		
Sand: fine to coarse-grained; interbedded clay (or kaolin), white to gray to dark-gray, micaceous, sandy.....	109	190
Ripley and Cusseta (Undifferentiated):		
Clay: gray, micaceous, silty, fossiliferous (Foraminifera).....	78	268
<i>Anomalina pseudopapillosa, Cibicides harperi at 190-268.</i>		
Limestone: gray, dense, crystalline (in texture), sandy, fossiliferous; indurated sand at depth.....	31	299
Clay: gray, micaceous, sandy.....	97	396
Sand: fine to coarse-grained.....	49	445
In Blufftown Formation:		
Sand: fine to coarse-grained; interbedded clay, dark-brown, fissile, somewhat splintery, highly micaceous, lignitic.....	82	527
Clay: dark-brown, fissile, splintery, highly micaceous, lignitic, sandy; sand, fine to coarse-grained.....	91	618

Summary:

Lower Eocene (Wilcox group, undifferentiated).....	66	66
Paleocene (Clayton formation).....	15	81
Upper Cretaceous (Providence sand).....	109	190
Upper Cretaceous (Ripley and Cusseta, undifferentiated).....	255	445
Upper Cretaceous (in Blufftown formation).....	173	618

	Thickness (feet)	Depth (feet)
Potential Water-Bearing Zones:		
Sand: fine to coarse-grained.....	39	120
Sand: fine to coarse-grained.....	21	299
Sand: fine to coarse-grained.....	49	445
Sand: fine to coarse-grained.....	20	527

MACON COUNTY

Location: In Marshallville

Well No.: GGS 229

Owner: No. 3 City of Marshallville

Elev.: 493

Driller: Layne-Atlantic Company

(derrick floor)

Drilled: August 1951

	Thickness (feet)	Depth (feet)
Lower Eocene: Wilcox Group (Undifferentiated):		
Sand: fine to medium-grained, limonitic; clay, mottled, sandy.....	22	22
Sand: fine to coarse-grained; clay (or kaolin), white, mica- ceous, somewhat sandy.....	36	58
Paleocene: Midway Group: Clayton Formation:		
Clay: gray to tan, hackly; some sand, coarse-grained, limonitic.....	20	78
Upper Cretaceous: Providence Sand:		
Sand: fine to coarse-grained, limonitic; clay (or kaolin), gray, micaceous, somewhat sandy.....	19	97
Clay (or kaolin): white to gray to purple (mottled), mica- ceous, somewhat sandy.....	15	112
Sand: fine to coarse-grained, limonitic; clay (or kaolin), as above.....	53	165
Ripley and Cusseta (Undifferentiated):		
Clay: dark-gray, sandy, micaceous, carbonaceous.....	24	189
Sand: coarse-grained.....	14	203
Clay: dark-gray, sandy, micaceous.....	60	263
Sand: fine to coarse-grained.....	17	280
Sand: fine to coarse-grained; interbedded clay (or kaolin), white to gray to red (mottled), micaceous, somewhat sandy.....	136	416
Sand: fine to coarse-grained.....	60	476