

GEORGIA
STATE DIVISION OF CONSERVATION
DEPARTMENT OF MINES, MINING AND GEOLOGY
GARLAND PEYTON, Director

THE GEOLOGICAL SURVEY
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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)

Potential Water-Bearing Zones:

Limestone	256	308
Sand: fine to coarse-grained	10	360
Sand: fine to coarse-grained	15	450
Sand: fine to coarse-grained	63	538
Sand: fine to coarse-grained	40	590
Limestone	90	940
Sand: fine to coarse-grained	26	966
Sand: fine to coarse-grained, indurated	25	1,025

DOUGHERTY COUNTY

Location: 5.12 mi. west of Dougherty-Worth County
line and 1 mi. south of Atlantic Coast Line R.R.

Well No.: GGS 261

Elev.: 204

Owner: No. 3 U. S. Marine Corps

Driller: Layne-Atlantic Company

Drilled: February 1952

Thickness
(feet) Depth
(feet)

No samples
 20 | 20 |

In Residuum:

Clay: mottled, sandy, limonitic, and fragments of residual
limestone
 20 | 40 |

Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: white to cream, fossiliferous (macroshells, bryo-
zoan remains, Ostracods, and some Foraminifera); denser
(more calcitized) and sandier with depth
 200 | 240 |

Middle Eocene: Claiborne Group: Lisbon Formation:

Sand: fine to coarse-grained, sparsely phosphatic, fossilifer-
ous at certain levels (macroshells); interbedded marl,
light-gray to cream, somewhat sandy, finely glauconitic,
fossiliferous (bryozoan remains, Ostracods, and Foramini-
fera); limestone, light-gray, sandy, finely glauconitic, fos-
siliferous (macroshells and some Foraminifera)
 110 | 350 |

Cibicides westi at 270-290.

Operculinoides sp., *Asterocyclina* sp., *Cibicides pseudounger-
ianus* var. *lisbonensis* at 290-310.

	Thickness (feet)	Depth (feet)
Tallahatta Formation:		
Sand: fine to coarse-grained, phosphatic, fossiliferous at certain levels (abundant macroshells); interbedded marl, yellowish-green, somewhat sandy, micaceous, slightly carbonaceous, fossiliferous (some Foraminifera); limestone, light-gray, dense (much calcitized), sandy, coarsely glauconitic, cherty at depth, fossiliferous (macroshells)	266	616
<i>Cibicides tallahattensis</i> at 473-477.		
<i>Valvulineria danvillensis</i> var., <i>Valvulineria jacksonensis</i> var., <i>Cibicides tallahattensis</i> , <i>Spiroplectamina</i> sp., <i>Discorbis</i> sp. at 477-493.		
Lower Eocene: Wilcox Group (Undifferentiated):		
Marl: dark-brown, silty, micaceous, glauconitic, carbonaceous, pyritiferous, fossiliferous (Foraminifera at certain levels)	74	690
<i>Anomalina umbonifera</i> , <i>Cibicides howelli</i> at 616-620.		
<i>Valvulineria</i> cf. <i>V. wilcoxensis</i> at 640-660.		
Sand: fine to medium-grained, coarser grained at depth, glauconitic	30	720
Paleocene: Midway Group: Clayton Formation:		
Sand: fine-grained, coarser grained with depth, somewhat indurated at certain levels, glauconitic, fossiliferous (macroshells and Foraminifera); interbedded marl, dark-gray to black, somewhat fissile but blocky at certain levels, carbonaceous, finely micaceous, fossiliferous	60	780
<i>Robulus midwayensis</i> , <i>Eponides lotus</i> , <i>Globulina gibba</i> , <i>Anomalina acuta</i> , <i>Alabama wilcoxensis</i> , <i>Gyroidina aequilateralis</i> , <i>Cibicides alleni</i> at 720-740.		
<i>Operculinoides catenula</i> at 740-760.		
Limestone: white, dense (much calcitized), sandy, coarsely glauconitic, fossiliferous (macroshells)	15	795
Marl: black, fissile, carbonaceous, finely micaceous, fossiliferous (some Foraminifera)	5	800
Limestone: light-gray, dense (much calcitized), sandy, glauconitic, fossiliferous (fragments and molds of macroshells, bryozoan remains, Ostracods and some Foraminifera)	98	898
Sand: fine to coarse-grained, rather angular	24	922

	Thickness (feet)	Depth (feet)
Upper Cretaceous: Providence and Ripley Formations (Undifferentiated):		
Sand: fine to medium-grained, pyritiferous; interbedded marl, bluish-gray, silty, micaceous, pyritiferous, fossiliferous (macroshells, Ostracods, and Foraminifera)	30	952
<i>Anomalina pseudopapillosa</i> , <i>Gaudryina</i> sp. at 921-941.		
Indurated sand: fine to coarse-grained.....	18	970
Sand: fine to medium-grained; interbedded marl, bluish-gray, silty, micaceous, pyritiferous, fossiliferous (macroshells).....	30	1,000

Summary:

No samples	20	20
In Residuum	20	40
Upper Eocene (Ocala limestone).....	200	240
Middle Eocene (Lisbon formation).....	110	350
Middle Eocene (Tallahatta formation).....	266	616
Lower Eocene (Wilcox group, undifferentiated).....	104	720
Paleocene (Clayton formation).....	202	922
Upper Cretaceous (Providence and Ripley, undifferentiated).....	78	1,000

Potential Water-Bearing Zones:

Limestone	200	240
Sand: fine to coarse-grained	10	250
Sand: fine to coarse-grained	20	350
Sand: fine to coarse-grained	18	383
Sand: fine to coarse-grained	30	470
Sand: fine to coarse-grained	56	550
Sand: fine to coarse-grained	15	720
Limestone	98	898
Sand: fine to coarse-grained	24	922