

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

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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)
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Potential Water-Bearing Zones:

None observed in samples available on this well.

Remarks:

Water-bearing limestone occurs somewhere in the interval 60-400. Samples were lacking in the interval 60-663, hence the thickness of the Ocala formation in this well is not known on the basis of available samples.

STEWART COUNTY

Location: 2.5 mi. north of Lumpkin on Highway 27 Well No.: GGS 451
 Owner: No. 1-A Interstate Land Development Company Elev.: 525
 Driller: Southeastern Drilling Company
 Drilled: October 1955

Thickness (feet)	Depth (feet)
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Upper Cretaceous: Providence Sand:

Sand: fine to coarse-grained, angular, limonitic; some clay, tan to pink (mottled) to white (kaolin) at depth, micaceous, sandy	70	70
Sand: coarse-grained, angular, arkosic.....	5	75

Ripley Formation:

Marl: dark-gray, silty, somewhat sandy at depth, micaceous, carbonaceous, phosphatic, glauconitic, fossiliferous at depth (macroshells, Ostracods, and Foraminifera).....	255	330
<i>Gaudryina</i> sp., <i>Robulus</i> sp., <i>Anomalina clementiana</i> at 100-110.		
<i>Loxostoma plaitum</i> , <i>Anomalina pseudopapillosa</i> , <i>Anomalina clementiana</i> at 120-130.		
<i>Planulina henbesti</i> at 220-230.		

Cusseta and Blufftown (Undifferentiated):

Sand: fine to coarse-grained, angular, micaceous, phosphatic, lignitic; interbedded clay, dark bluish-gray to brown, somewhat fissile, carbonaceous, micaceous, pyritiferous.....	180	510
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Summary:

Upper Cretaceous (Providence sand).....	75	75
Upper Cretaceous (Ripley formation).....	255	330
Upper Cretaceous (Cusseta and Blufftown, undifferentiated).....	180	510

Potential Water-Bearing Zones:

	Thickness (feet)	Depth (feet)
Sand: fine to coarse-grained.....	20	434

STEWART COUNTY

Location: 1.5 mi. east of road junction in Omaha, north
side of east-west secondary road Well No.: GGS 478
Elev.: 318
Owner: No. 1 Omaha School
Driller: Layne-Atlantic Company
Drilled: February 1956

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Clay: bluish-gray to tan to brick-red (mottled), very sandy, limonitic.....	11	11
Sand: very coarse-grained (subgravel size), angular, arkosic.....	17	28

Upper Cretaceous: Ripley Formation:

Marl: dark bluish-gray, carbonaceous, micaceous, phosphatic,
pyritiferous, fossiliferous (macroshells, Ostracods, and
Foraminifera); sideritic and glauconitic at depth..... 66 94

Robulus stephensoni at 68-78.

Glauconite common at 88-94.

Cusseta Sand:

Sand: fine to coarse-grained, subangular, fossiliferous (mac-
roshells)..... 20 114

Blufftown Formation:

Marl: as above; interbedded at widely separated intervals
with beds of indurated sand, dark-gray, rather dense, and
crystalline, micaceous, glauconitic (finely disseminated)..... 197 311

Vaginulina texana at 188-198.

Vaginulina texana, *Marginulina* sp. at 290-300.

Summary:

Pliocene to Recent (undifferentiated).....	28	28
Upper Cretaceous (Ripley formation).....	66	94
Upper Cretaceous (Cusseta sand).....	20	114
Upper Cretaceous (Blufftown formation).....	197	311