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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ATLANTA
1961

	Thickness (feet)	Depth (feet)
Indurated sand (or sandy limestone): gray, fine-grained, dense	3	98
Marl: dark bluish-gray, sandy, micaceous	13	111
Indurated sand (or sandy limestone): as above	2	113
Marl: dark-gray, silty, micaceous, pyritiferous	79	192
Ripley Formation:		
Marl: dark bluish-gray, silty, micaceous, pyritiferous, glauconitic, fossiliferous (at certain horizons, macroshells, Ostracods and Foraminifera)	203	395
Gaudryina rudita, Cibicides harperi at 212-232.		

Summary:

Pliocene to Recent (undifferentiated)	56	56
Upper Cretaceous (Providence sand)	136	192
Upper Cretaceous (Ripley formation)	203	395

Potential Water-Bearing Zones:

None observed to total depth of well.

Remarks:

Owing to scarcity of water-bearing sands, this well is in an area in which it is difficult to obtain ground water. It is doubtful that the shallow-lying terrace gravels would be perennially productive. Moreover, the indurated sand (or sandy limestone) at depths 95-98 and 111-113 are not thought to be of sufficient thickness to carry water in sufficient quantity to satisfy even domestic needs. The best aquifers, therefore, should be sought at considerably lower depths than that reached by this well. Such water-bearing sands would be encountered in the underlying Eutaw formation and in the more deeply buried Tuscaloosa formation.

QUITMAN COUNTY

Location: In Georgetown
Owner: No. 1 City of Georgetown
Driller: Layne-Atlantic Company
Drilled: October 1956

Well No.: GGS 502
Elev.: 316

	Thickness (feet)	Depth (feet)
Upper Cretaceous: Providence and Ripley Formations (Undifferentiated):		
Marl: dark bluish-gray to black, sandy, micaceous, pyritiferous, glauconitic, fossiliferous (macroshells, Ostracods,		

	Thickness (feet)	Depth (feet)
and Foraminifera at certain levels); interbedded indurated sand (or sandstone), dark-gray, argillaceous, micaceous, pyritiferous, glauconitic, fossiliferous (macroshells at certain horizons)	350	350
Anomalina pseudopapillosa at 115-125.		
Epistomina caracolla, Cibicides harperi at 125-135.		
Globotruncana cretacea, Loxostoma plaitum, Planulina correcta at 208-218.		
Clavulinoides trilatera var., *Robulus navarroensis, Robulus pondi* at 235-246.		
Marl: dark-gray to brownish at depth, micaceous, somewhat carbonaceous (lignitic), sandy, fossiliferous (macroshells, Ostracods, and Foraminifera at certain levels)	90	440
Planulina taylorensis at 350-360.		
Cusseta Sand:		
Sand: fine to coarse-grained, subangular, indurated at certain levels, micaceous; interbedded marl (or shale), as above	75	515
Blufftown Formation:		
Shale: dark-brown, fissile, splintery at depth, carbonaceous, micaceous, fossiliferous (macroshells, Ostracods, and Foraminifera at certain levels)	525	1,040
Vaginulina texana, Kyphopyxa christneri at 525-535.		
Sand: fine to medium-grained, subangular, somewhat indurated at certain levels, micaceous, glauconitic, phosphatic, fossiliferous (macroshells, Ostracods at certain levels)	70	1,110
Sand: fine to coarse-grained, subangular, pyritiferous, glauconitic, phosphatic, fossiliferous at certain levels (coquina and occasional fish teeth); fairly numerous thin stringers of shale, as above	128	1,238
In Eutaw Formation:		
Shale: yellowish-green to dark-brown to black, fissile, somewhat splintery, micaceous, carbonaceous; interbedded sand, fine to medium-grained, subangular, phosphatic, micaceous	87	1,325
Sand: fine to medium-grained, subangular	35	1,360
Tuscaloosa Formation:		
Sand: fine to coarse-grained, angular, arkosic, micaceous; interbedded clay, greenish-gray, somewhat fissile, sandy, micaceous, iron-stained at certain levels	140	1,500

	Thickness (feet)	Depth (feet)
Summary:		
Upper Cretaceous (Providence and Ripley, undifferentiated)	440	440
Upper Cretaceous (Cusseta sand)	75	515
Upper Cretaceous (Blufftown formation)	723	1,238
In Upper Cretaceous (Eutaw formation)	122	1,360
Upper Cretaceous (Tuscaloosa formation)	140	1,500
Potential Water-Bearing Zones:		
Sand: fine to medium-grained	34	1,360
Sand: fine to coarse-grained	13	1,377
Sand: fine to coarse-grained	9	1,404
Sand: fine to coarse-grained	24	1,434
Sand: fine to coarse-grained	13	1,460

RANDOLPH COUNTY

Location: In Cuthbert — Well No.: GGS 552
Owner: City of Cuthbert — Elev.: 460
Driller: Layne-Atlantic Company
Drilled: 1958

	Thickness (feet)	Depth (feet)
Middle Eocene: Claiborne Group (Undifferentiated):		
Sand: fine to coarse-grained, angular, argillaceous, brick-red, limonitic, sparsely glauconitic	44	44
Sand: as above; some clay, yellowish-green, sandy, micaceous	20	64
Lower Eocene: Wilcox Group (Undifferentiated):		
Clay: light-gray, silty, micaceous, carbonaceous	82	146
Sand: fine to medium-grained, subangular, abundantly glauconitic	10	156
Paleocene: Midway Group: Clayton Formation:		
Sand: fine to coarse-grained, subangular, pale-green quartz grains; interbedded clay, black, somewhat fissile, carbonaceous, micaceous	81	237
Limestone: gray, dense, nodular, somewhat sandy, pyritiferous, fossiliferous (fragments, casts and molds of megafossils, bryozoan remains, and Foraminifera)	73	310
Limestone: as above but very sandy	21	331