

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)
phosphatic, fossiliferous (macroshells, echinoid and bryozoan remains, Ostracods, and Foraminifera)	115	175

Spiroplectammina mississippiensis, *Nonion advena*, *Nonion inexcavatus*, *Elphidium texanum*, *Valvulineria jacksonensis*, *Discorbis globulo-spinosa*, *Discorbis assulata*, *Guttulina irregularis*, *Sigmomorphina semitecta* var., *Reussella oligocenica* at 103-137.

Summary:

Miocene (undifferentiated)	60	60
Upper Eocene (Cooper marl)	115	175

Potential Water-Bearing Zones:

Limestone	20	157
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BURKE COUNTY

Location: In Waynesboro
 Owner: No. 1 W. A. Wilkins
 Drilled: 1888

Well No.: GGS 520
 Elev.: 280

	Thickness (feet)	Depth (feet)
No samples	40	40
In Eocene (Undifferentiated):		
Sand; fine-grained; clay, pink, sandy, micaceous	20	60
Sand: fine to medium-grained, angular, with inclusions of residual limestone	90	150
Sand: coarse-grained; limestone, white to gray, dense (much calcitized), sandy, fossiliferous (macroshells, and some bryozoan remains)	80	230
Sand: fine to medium-grained, sparsely phosphatic; marl, yellowish-green, somewhat indurated, silty, finely disseminated phosphatic grains, carbonaceous, micaceous	10	240
Marl: as above, but fossiliferous (Radiolaria, Ostracods, and Foraminifera)	50	290
<i>Cibicides americanus</i> var., <i>Cibicides</i> cf. <i>C. refulgens</i> at 240-290.		
Sand: fine-grained; marl, as above	20	310

	Thickness (feet)	Depth (feet)
Clay: yellowish-green, noncalcareous, somewhat indurated, carbonaceous, micaceous; some sand, coarse-grained, phosphatic	30	340
No samples	40	380
In Upper Cretaceous¹: Tuscaloosa Formation:		
Sand: coarse-grained, angular, grains that resemble rose quartz	30	410
Sand: fine to coarse-grained, arkosic; some clay or kaolin, gray to tan to red (mottled), sandy, micaceous	90	500
Clay: brick-red, sandy, micaceous	200	700
Summary:		
No samples	40	40
In Eocene (undifferentiated)	300	340
No samples	40	380
In Upper Cretaceous (Tuscaloosa formation)	320	700

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	30	410
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Remarks:

Samples on this well of poor quality, hence it is not feasible to pick additional water-bearing sands below a depth of 410 feet.

CALHOUN COUNTY

Location: 200 ft. north of south line and 200 ft. east of west line of Land Lot 328, 4th Land District
 Owner: No. 1 J. W. West
 Driller: Sowega Minerals Incorporated
 Drilled: January 1950

Well No.: GGS 192
 Elev.: 349

	Thickness (feet)	Depth (feet)
No samples	400	400
In Paleocene: Midway Group: Clayton Formation:		
Sand: medium to coarse-grained, angular, abundantly glauconitic; marl, gray, micaceous, carbonaceous; limestone, light-gray, sandy, glauconitic, fossiliferous (macroshells)	40	440
<i>Robulus midwayensis</i> , <i>Anomalina midwayensis</i> at 410-420.		

¹According to McCallie's log of this well (USGS, WSP 341, p. 167) probable top of Upper Cretaceous at 310.