

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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Prepared cooperatively by the U. S. Geological Survey

ATLANTA
1961

TAYLOR COUNTY

Location: 5 mi. south of Butler
 Owner: No. 1 F. B. Green
 Driller: R. G. Duke
 Drilled: 1955

Well No.: GGS 533

	Thickness (feet)	Depth (feet)
No samples	40	40
In Upper Cretaceous (Undifferentiated):		
Sand: fine to coarse-grained, angular, arkosic; interbedded kaolin	110	150
Sand, fine to coarse-grained with some kaolin, white, to pink, micaceous, at 60-70.		
Sand with kaolin as above at 100-110.		

Summary:

No samples	40	40
In Upper Cretaceous (undifferentiated)	110	150

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	10	150
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TELFAIR COUNTY

Location: 588 ft. from southwest line, 410 ft. from south-
 east line of Land Lot 260, 7th Land District
 Owner: No. 1 Henry Spurlin
 Driller: Parsons and Hoke
 Drilled: September 1953

Well No.: GGS 375
 Elev.: 242
 (derrick floor)

	Thickness (feet)	Depth (feet)
No samples	30	30
In Miocene (Undifferentiated):		
Sand: fine to coarse-grained, subangular; interbedded clay, pale-green, sandy	195	225

	Thickness (feet)	Depth (feet)
Oligocene (Undifferentiated):		
Limestone: white to light-gray, cream at depth, much calcitized, somewhat saccharoidal, nodular, fossiliferous (echinoid and bryozoan remains and some Foraminifera)	90	315
<i>Quinqueloculina</i> sp., <i>Pyrgo</i> sp., <i>Rotalia mexicana</i> var. at 225-240.		
<i>Dictyoconus</i> ¹ sp., <i>Lepidocyclina</i> ¹ sp. at 300-330.		
In Upper Eocene: Jackson Group: Ocala Limestone:		
Limestone: light-gray, much calcitized, crystalline, fossiliferous (echinoid and bryozoan remains and Foraminifera)	75	390
<i>Operculinoides</i> sp. common at 330-360.		
<i>Asterocyclina</i> sp. common at 360-390.		
No samples	90	480
Limestone: cream, rather soft, chalky, somewhat granular, fossiliferous (echinoid and bryozoan remains and Foraminifera)	30	510
<i>Operculina mariannensis</i> at 480-510.		
No samples	300	810
In Middle Eocene: Claiborne Group (Undifferentiated):		
Limestone: white, somewhat soft and chalky, fossiliferous (Foraminifera)	60	870
<i>Lepidocyclina</i> sp. at 810-870.		
No samples	474	1,344
In Lower Eocene and Paleocene (Undifferentiated):		
Sand: medium to coarse-grained, subangular, somewhat indurated, phosphatic; some clay, dark-bluish-gray to black, laminated; considerable limestone, brownish-gray, rather dense, crystalline, coarsely glauconitic, fossiliferous (macroshells)	48	1,392
No samples	88	1,480
Sand: fine-grained to coarse-grained at depth, subangular, phosphatic; interbedded thin clay, light to dark-greenish-gray to reddish-brown, laminated, silty, micaceous, lignitic	90	1,570

¹Reworked (?) fossil of middle Eocene age.

	Thickness (feet)	Depth (feet)
Sand: fine to coarse-grained, subangular; some limestone, brownish-gray, rather massive, sandy, glauconitic, fossiliferous (some macroshells)	30	1,600
Sand: fine to coarse-grained, subangular; some clay, as above; some limestone, brownish-gray, rather dense, crystalline, sandy, fossiliferous (casts and impressions of megafossils)	180	1,780
<i>Robulus</i> cf. <i>R. midwayensis</i> , <i>Nodosaria affinis</i> , <i>Eponides lotus?</i> , <i>Valvulineria scrobiculata</i> at 1750-1780.		
Sand and clay: as above but with more sand, glauconite common	30	1,810
No samples	180	1,990
In Upper Cretaceous: Post-Tuscaloosa (Undifferentiated):		
Sand: fine to coarse-grained, subangular, glauconitic; some marl, dark-bluish-gray, chalky, micaceous, pyritiferous, fossiliferous (some Foraminifera)	90	2,080
<i>Globotruncana</i> sp., <i>Cibicides harperi</i> , <i>Anomalina pseudo-papillosa</i> at 1990-2020.		
No samples	100	2,180
Sand and clay: as above	150	2,330
Sand: fine to coarse-grained, subangular; interbedded clay, dark-brownish-gray, laminated, silty, very micaceous, lignitic	570	2,900
In Tuscaloosa Formation:		
Sand: coarse-grained, subangular, arkosic, pink-colored grains of quartz; interbedded clay, greenish-gray, laminated, micaceous, carbonaceous	520	3,420
Clay: brick-red, sandy, micaceous, greasy; interbedded sand, fine to coarse-grained, subangular, arkosic	80	3,500
Sand: medium to coarse-grained, subangular, arkosic; interbedded clay, brick-red, micaceous, sandy	90	3,590
Lower Cretaceous(?) (Undifferentiated):		
Sand: coarse-grained, subangular, arkosic, grains of pink quartz; interbedded clay, dark-green with tan streaks to brick-red, greasy, micaceous, sandy; indurated sand, dark-red, fine-grained, sideritic	410	4,000

Thickness
(feet) Depth
(feet)

Summary:

No samples	30	30
In Miocene (undifferentiated)	195	225
Oligocene (undifferentiated)	90	315
In upper Eocene (Ocala limestone)	195	510
No samples	300	810
In middle Eocene (Claiborne group, undifferentiated)	60	870
No samples	474	1,344
In lower Eocene and Paleocene (undifferentiated)	466	1,810
No samples	180	1,990
In Upper Cretaceous (post-Tuscaloosa, undifferentiated)	910	2,900
In Upper Cretaceous (Tuscaloosa formation)	690	3,590
Lower Cretaceous(?) (undifferentiated)	410	4,000

Potential Water-Bearing Zones:

Limestone	645	870
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Remarks:

Top of Upper Cretaceous, as based on electric log, probably at approximate depth of 1870.

TELFAIR COUNTY

Location: In McRae
Owner: City of McRae
Driller: M. M. Gray

Well No.: GGS 507
Elev.: 250

Thickness
(feet) Depth
(feet)

Miocene (Undifferentiated):

Sand: fine to coarse-grained, somewhat argillaceous, light-gray to red (mottled), limonitic, arkosic	20	20
Clay: pale-green, sandy; some sand, as above	20	40
Sand: fine to medium-grained, arkosic, finely disseminated phosphatic nodules	20	60
Sand: as above; interbedded clay, pale-green, sandy; thin limestones, white, sandy, sparsely but finely phosphatic	90	150
Limestone: white, dense (much calcitized), sandy, phosphatic, fossiliferous (macroshells and some Foraminifera)	20	170

Elphidium sp., *Sorites* sp. at 170-175.