

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

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**THE GEOLOGICAL SURVEY**  
Bulletin Number 70

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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

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**ATLANTA**  
**1961**

## TATTNALL COUNTY

Location: Few miles south of Cobbtown  
 Owner: No. 1 Troy Jarriel  
 Operator: Turner Well Drilling Company  
 Date: September 1959

Well No.: GGS 583

	Thickness (feet)	Depth (feet)
<b>Miocene (Undifferentiated):</b>		
Clay: pale-yellowish-green with tan to red to purple (mottled) streaks, sandy, limonitic .....	42	42
Sand (or very sandy clay): fine-grained, subangular, finely disseminated very small jet-black grains .....	21	63
Clay: yellowish-green, blocky, very sandy, cherty at depth .....	121	184
Clay: as above; interbedded with some few beds of limestone, white to cream, sandy, jet-black phosphatic pebbles at depth .....	102	286
Sand: fine-grained, subangular grains, phosphatic, as in interval 42-63 .....	21	307
Greenish-brown chert prominent at 286-307.		
Indurated sand (or coquina): fine-grained, subangular, phosphatic, fossiliferous (macroshells); interbedded clay, yellowish-green, rather tough, partially indurated, sandy .....	205	512
First observed macroshells at 307-327.		
Indurated sand and clay: as above; interbedded limestone, cream, very sandy, phosphatic, fossiliferous (macroshells) .....	61	573
Limestone: light-brown, somewhat dolomitic(?), saccharoidal, very sandy, phosphatic .....	61	634

**Oligocene (Undifferentiated):**

Limestone: light-gray to cream (latter at depth), much leached (weathered?), nodular (when fresh and unweathered), rather soft, loosely consolidated, sandy, fossiliferous (some echinoid and bryozoan remains and Foraminifera) .....	41	675
<i>Rotalia mexicana</i> var., <i>Gypsina globula</i> <sup>1</sup> at 634-655.		

**Summary:**

Miocene (undifferentiated) .....	634	634
Oligocene (undifferentiated) .....	41	675

<sup>1</sup>Reworked(?) fossil of middle Eocene age.

Thickness (feet)	Depth (feet)
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**Potential Water-Bearing Zones:**

None observed to total depth (675).

**Remarks:**

This well represents the thickest section of deposits of Miocene so far observed by the writer. It seems probable, therefore, that this well might have penetrated water-bearing limestones by going deeper (possibly 100 to 150 feet deeper than 675 feet).

**TAYLOR COUNTY**

Location: 1 mi. south of Rupert on Highway 19

Well No.: GGS 428

Owner: No. 2 Jule Cooper

Driller: R. G. Duke

Drilled: November 1954

	Thickness (feet)	Depth (feet)
No samples .....	60	60

**In Upper Cretaceous (Undifferentiated):**

Sand: fine to medium-grained, angular, arkosic, limonitic ..... 20 80

Sand: fine to coarse-grained, angular, limonitic; inclusions of kaolin, white, micaceous ..... 80 160

Sand: fine to coarse-grained, angular, arkosic ..... 20 180

**Summary:**

No samples .....	60	60
In Upper Cretaceous (undifferentiated) .....	120	180

**Potential Water-Bearing Zones:**

Sand: fine to coarse-grained ..... 20 180

**TAYLOR COUNTY**

Location: 1 mi. south of Mauk on State Highway 127, at private dwelling

Well No.: GGS 492

Owner: No. 1 B. S. Parker

Driller: R. G. Duke

Drilled: May 1956

No samples .....	40	40
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**In Upper Cretaceous (Undifferentiated):**

Sand: fine to medium-grained, angular, arkosic; some kaolin, white to pink (somewhat mottled), micaceous ..... 10 50