

**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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United States Geological Survey



Prepared cooperatively by the U. S. Geological Survey

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**ATLANTA**  
**1961**

## APPLING COUNTY

Location: 650 ft. west of Southern Depot and 110 ft. north  
 of Southern R.R. in city of Baxley      Well No.: GGS 50  
 Owner: No. 3 City of Baxley              Elev.: 204  
 Driller: Gray Well and Pump Corporation  
 Drilled: February 1942

	Thickness (feet)	Depth (feet)
No samples .....	40	40
<b>In Pliocene to Recent (Undifferentiated):</b>		
Sand: fine to medium-grained; some very sandy clay, pale-green or mottled .....	55	95
<b>Miocene (Undifferentiated):</b>		
Clay: pale-green, sandy, phosphatic at depth; interbedded sand and limestone .....	393	488
Sand, fine to medium-grained with many black phosphatic pebbles at 225-275.		
Sand, fine to coarse-grained, abundant black phosphatic pebbles at 415-430.		
Sand as above; and many fragments of limestone, gray to white, dense (calcitized) at 430.		
Sand, fine to coarse-grained, with abundant black phosphatic pebbles at 465-475.		
Limestone: gray to white, sandy, phosphatic, fossiliferous, dolomitized at depth .....	27	515
<b>Oligocene (Undifferentiated):</b>		
Limestone: gray, dense (much calcitized) nodular, fossiliferous (Foraminifera) .....	75	590
<i>Rotalia byramensis</i> var., <i>Asterigerina</i> sp., <i>Pyrgo</i> sp. at 515-525.		
No samples .....	20	610
<b>In Upper Eocene: Jackson Group: Ocala Limestone:</b>		
Limestone: reddish-brown, extremely dense and crystalline (highly calcitized), fossiliferous (many Foraminifera) .....	20	630
<i>Gypsina globula</i> , <i>Operculinoides</i> sp., <i>Asterocyclina nassauensis</i> at 610-620.		
<i>Operculina mariannensis</i> at 620-630.		

	Thickness (feet)	Depth (feet)
Limestone: light-gray, extremely dense and crystalline (highly calcitized), fossiliferous (as above) .....	90	720
<i>Pseudophragmina</i> sp., <i>Lepidocyclina</i> sp. at 700-710.		
Limestone: white, soft and chalky in streaks; otherwise considerably calcitized and crystalline, fossiliferous (as above)....	100	820
<i>Heterostegina ocalana</i> at 760-770. <i>Amphistegina pinarensis</i> var. at 770-780.		
Limestone: light-gray, extremely dense and crystalline, as interval 630-720 .....	20	840

## Summary:

No samples .....	40	40
In Pliocene to Recent (undifferentiated) .....	55	95
Miocene (undifferentiated) .....	420	515
Oligocene (undifferentiated) .....	75	590
No samples .....	20	610
In upper Eocene (Ocala limestone) .....	230	840

## Potential Water-Bearing Zones:

Limestone .....	325	840
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## APPLING COUNTY

Location: 2,433 ft. north, 2,796 ft. west of southeast corner of Land Lot 522, 2nd Land District  
 Well No.: GGS 148  
 Elev.: 229  
 Owner: No. 1 W. E. Bradley  
 Driller: Felsenthal and Weatherford  
 Drilled: July 1947

	Thickness (feet)	Depth (feet)
<b>Miocene (Undifferentiated):</b>		
Sand: fine to medium-grained, angular .....	10	10
No samples .....	50	60
Clay: pale-green, sandy; interbedded sand, fine to medium-grained, angular, phosphatic at depth .....	300	360
Jet-black phosphatic pebbles abundant at 180-210.		
Limestone: cream, somewhat saccharoidal and crystalline, rather dense, sandy, phosphatic, fossiliferous at depth (macroshells); scattered beds of sand, as above .....	120	480
Macroshells at 450-470.		
Limestone: as above, but somewhat dolomitized .....	40	520