

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

JEFF DAVIS COUNTY

Location: Hazelhurst, 0.1 mi. north of U.S. Highway 341, few hundred yd. east of Georgia-Florida R.R., at City Water Works
 Well No.: GGS 157
 Elev.: 259
 Owner: No. 3 City of Hazelhurst
 Driller: Layne-Atlantic Company
 Drilled: June 1948

	Thickness (feet)	Depth (feet)
Miocene (Undifferentiated):		
Clay: mottled, sandy, limonitic.....	20	20
Sand: medium-grained, angular, arkosic; and clay, as above.....	35	55
Clay: yellowish-green, sandy, cherty at certain levels; interbedded sand, fine to medium-grained, angular, arkosic, phosphatic (at depth).....	305	360
Gray phosphate pebbles at 200-260.		
Clay: light-gray, sandy, phosphatic; interbedded limestone, white, dense, sandy.....	80	440
Limestone: light-gray to white to light-brown, dolomitized at depth, dense, sandy, fossiliferous at certain levels.....	117	557
Oligocene (Undifferentiated):		
Limestone: light-gray, nodular, dense, crystalline, sandy, somewhat fossiliferous (echinoid and bryozoan remains, Ostracods, and Foraminifera).....	10	567
<i>Elphidium</i> sp., <i>Rotalia mexicana</i> var., <i>Asterigerina subacuta</i> , <i>Quinqueloculina</i> sp. at 557-567.		
Limestone: brown, nodular, rather dense, much calcitized fossiliferous (as above).....	103	670
<i>Coskinolina</i> ? ¹ sp. at 567-587.		
In upper Eocene: Jackson Group: Ocala Limestone:		
Limestone: cream, rather soft, granular (in texture), fossiliferous (echinoid and bryozoan remains and "larger Foraminifera" at certain levels).....	170	840
<i>Lepidocyclina</i> sp. at 760-810.		
Summary:		
Miocene (undifferentiated).....	557	557
Oligocene (undifferentiated).....	113	670
In upper Eocene (Ocala limestone).....	170	840

¹Reworked (?) fossil of middle Eocene age.

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

Limestone	273	840
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Remarks:

Sample intervals too great to permit accurate determination of formational top of upper Eocene (Ocala limestone).

JEFFERSON COUNTY

Location: Few hundred yards west of U.S. Highway
1, south side of Quakel Street, in Wrens
Owner: No. 2 U.S. Geological Survey test hole
Driller: J. K. Scott Drilling Company
Drilled: July 1946

Well No.: GGS 133
Elev.: 445

	Thickness (feet)	Depth (feet)
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Miocene (Undifferentiated):

Clay: light-gray to red to purple (mottled), sandy, limonitic.....	20	20
Clay: yellowish-green to red (somewhat mottled), blocky, sandy, limonitic	10	30
Sand: fine to coarse-grained, subangular, arkosic.....	20	50

Upper Eocene: Jackson Group: Barnwell Formation:

Clay: white to light-gray, somewhat indurated, very sandy.....	20	70
Sand: fine to coarse-grained, angular; clay, light-gray.....	10	80
Clay: yellowish-green to tan (mottled), somewhat indurated,, blocky, sandy	30	110
Sand: fine to coarse-grained, angular, arkosic.....	30	140
Clay: dark-green, sandy, carbonaceous, fossiliferous (Fora- minifera)	10	150

Valvulineria jacksonensis abundant, *Nonion advena* at 140-150.

Middle Eocene: Claiborne Group (Undifferentiated):

Clay: light-gray to chocolate-brown, carbonaceous, micaceous, sandy	10	160
Clay: as above; and indurated clay, dark-green, carbonaceous, micaceous (finely disseminated).....	25	185