

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

COOK COUNTY

Location: In Lenox
 Owner: City of Lenox
 Driller: Layne-Atlantic Company
 Drilled: June 1946

Well No.: GGS 25
 Elev.: 300¹

	Thickness (feet)	Depth (feet)
No samples	25	25
In Miocene (Undifferentiated):		
Sand: medium to coarse-grained, subangular, somewhat limonitic	7	32
Clay: mottled, sandy, limonitic.....	23	55
No samples	6	61
Clay: yellowish-green, very sandy.....	8	69
Clay: light-gray, somewhat indurated, tough, sandy.....	8	77
No samples	25	102
Clay: as above; some limestone, white, sandy, cherty.....	21	123
Limestone: white to cream at depth, sandy.....	154	277
No samples	17	294
Limestone: as above, but saccharoidal, somewhat dolomitized at certain levels, massive.....	?	294
No samples	24	318
Limestone: as above; fragments of limestone, gray, dense, nodular, somewhat sandy.....	40	358
No samples	41	399

In Oligocene (Undifferentiated):

Limestone: cream, nodular, much calcitized, rather massive, fossiliferous (bryozoan remains and increasing number (with increased depth) of Foraminifera)..... 92 491

Lepidocyclina cf. *L. mantelli* at 399.

*Dictyoconus*² sp., *Coskinolina*² sp. at 429.

*Asterocyclina*² sp. common, *Gypsina globula*² at 491

¹Average elevation taken from State Highway map.

²Reworked (?) fossil of middle Eocene age.

Thickness
(feet)

Depth
(feet)

Summary:

No samples	25	25
In Miocene (undifferentiated)	333	358
No samples	41	399
In Oligocene (undifferentiated)	92	491

Potential Water-Bearing Zones:

Limestone	173	491
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COOK COUNTY

Location: In Adel
 Owner: No. 4 City of Adel
 Driller: Layne-Atlantic Company
 Drilled: June 1946

Well No.: GGS 39
 Elev.: 240

Thickness
(feet)

Depth
(feet)

No samples	15	15
In Miocene (Undifferentiated):		
Clay: mottled, very sandy, limonitic	55	70
No samples	10	80
Clay: yellowish-green, blocky, sandy, phosphatic; interbedded limestone, light-gray to white, dense, somewhat saccharoidal, sandy; sand, fine-grained, angular, phosphatic (finely disseminated)	85	165
Gray, polished, phosphatic pebbles prominent at 80.		
No samples	20	185
Dolomitic limestone: light-brown, extremely dense, crystalline, somewhat sandy; some limestone as above	?	185
No samples	24	209
In Oligocene (Undifferentiated):		
Limestone: light-gray to cream at depth, nodular, much calcitized, rather dense, cherty, fossiliferous (bryozoan remains and some Foraminifera)	61	270
<i>Quinqueloculina</i> sp., <i>Dictyoconus</i> ¹ sp. at 209-209½.		
<i>Quinqueloculina</i> sp., <i>Rotalia mexicana</i> var. at 270.		

¹Reworked (?) fossil of middle Eocene age.