

LITHOLOGIC LOG  
 Dougherty County, Ga.

12L006

Owner: City of Albany #11  
 Location: In Albany  
 Driller: Layne-Atlantic Drilling Co.  
 Drilled: February, 1950

OGS No.: 212 5N0841025.1  
 USGS No.: 3134500840835.1  
 Field No.: 8410-3130-14  
 Land-surface alt: 215  
 Well depth: 983 ft.  
 Water level: ft.  
 Casing: in. to ft.

Samples described by Vaux Owen, Jr.  
 Stratigraphic correlation by: Vaux Owen, Jr. and S. M. Herrick

	Thickness (feet)	Depth (feet)
<b>EOCENE TO RECENT (undifferentiated residuum)</b>		
Sand and gravel: light brown 5YR 6/4, fine grained sand to granule gravel, sub-angular, poorly sorted, clear, milky, and yellow quartz; silt and clay rare.....	15	15
Sand and gravel: grayish orange 10YR 7/4; fine- grained sand to pebble gravel, sub-angular, poorly sorted, clear, milky, and yellow quartz; silt and clay common.....	10	25
No samples.....	20	45
<b>UPPER EOCENE SERIES</b>		
<b>JACKSON GROUP</b>		
<b>OCALA LIMESTONE</b>		
Calcareous sand: very pale orange 10YR 8/2 to pale yellowish brown 10YR 6/2, very fine-to medium- grained, sub-angular to sub-rounded, fair-sorted, clear and milky quartz; limestone fragments common; weak calcareous cement.....	5	50

UPPER EOCENE SERIES-continued

JACKSON GROUP-continued

OCALA LIMESTONE-continued

Calcareous sand, very pale orange 10YR 8/2 to pale yellowish brown 10YR 6/2, very fine-to medium-grained, sub-angular to sub-rounded, fair-sorted, clear and milky quartz; limestone fragments abundant; bryozoa common; weak calcareous cement.....	11	61
Do.....	30	91
<i>cl. in field</i> <i>R</i> Arenaceous limestone: very pale orange 10YR 8/2, aphanitic and oolitic; very fine-to fine-grained quartz sand abundant; fossils rare; weak calcareous cement.....	15	106
No samples.....	137	243
Lisbon top (estimated).....		180

MIDDLE EOCENE SERIES

CLAIBORNE GROUP

LISBON FORMATION

Calcareous sand: very pale orange 10YR 8/2, very fine-to fine-grained, sub-rounded, well-sorted clear quartz; fairly clean; glauconite abundant; limestone and marl common; sample is apparently contaminated by cuttings of limestone from above beds.....	17	260
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MIDDLE EOCENE SERIES-continued

CLAIBORNE GROUP-continued

LISBON FORMATION-continued

Arenaceous limestone and sand: yellowish gray

5Y 8/1 to light olive gray 5Y 6/1; fine-grained, sandy-limestone mixed with abundant loose sand, very fine-to medium-grained, sub-angular to sub-rounded, fair-sorted, clear quartz; weak to firm calcareous cement.....

14

274

TALLAHATTA FORMATION

Calcareous sand: yellowish gray 5Y 8/1 to light olive gray 5Y 6/1, very fine-to fine-grained abundant, medium-grained common, sub-angular to sub-rounded, fair-sorted, clear quartz, fairly clean; limestone and shell fragments common.....

15

289

Calcareous sand: yellowish gray 5Y 8/1 to light olive gray 5Y 6/1, very fine-to medium-grained, sub-angular to sub-rounded, fair-sorted, clear quartz, fairly clean; limestone and shell fragments abundant; glauconite common; fish teeth rare.....

15

304

So.....

15

319

*Section suggests top is in here*

CLAIBORNE GROUP-continued

TALLAHATTA FORMATION-continued

Coquina: yellowish gray 5Y 8/1 to light olive gray 5Y 6/1, composed mostly of shell fragments; very fine-to fine-grained quartz sand common; granule and pebble gravel rare; glauconite common; firm calcareous cement.....	15	394
Do.....	46	400
Arenaceous coquina: light olive gray 5Y 6/1, composed mostly of shell fragments; very fine-to fine-grained quartz sand abundant; hard calcareous cement.....	15	415
Do.....	31	446
<i>Turckhond?</i> <i>R</i> Arenaceous marl: yellowish gray 5Y 8/1 to light olive gray 5Y 6/1; very fine-to fine-grained quartz sand abundant; phosphate abundant; shell fragments abundant.....	15	461
Similar to preceding; glauconite abundant.....	16	477
Siliceous limestone: medium light gray N6, aphanitic; glauconite, dark chert, and clear secondary silica abundant; firm calcareous and siliceous cement; sample is contaminated by abundant quartz sand from cuttings of above beds.....	16	493
Do.....	15	508

461  
215  
231

AA6  
215  
231

LOWER EOCENE SERIES

Thickness  
(feet)      Depth  
(feet)

WILCOX GROUP

TUSCAROMA SAND

Limestone and sand: medium light gray N6; fine grained-sandy glauconitic limestone and very fine-to fine-grained quartz sand; sample is contaminated by cuttings of siliceous limestone from above beds.....	15	523
Arenaceous silt: light olive gray 5Y 6/1 to olive gray 5Y 4/1; very fine-to fine-grained quartz sand abundant, clear quartz abundant, green quartz common; fine grained-sandy glauconitic limestone common; shell fragments common.....	15	538
Arenaceous silt: light gray N7 to light olive gray 5Y 6/1; very fine-to fine-grained quartz sand abundant, clear quartz abundant, green quartz common; glauconite abundant; fine-grained, sandy glauconitic limestone common; shell fragments common.....	15	553
Do.....	15	568
Similar to preceding; pyrite common.....	16	584
Arenaceous silt: medium light gray N6; very fine-to fine-grained quartz sand abundant; glauconite abundant; pyrite common; shell fragments common..	15	599
Similar to preceding; large forams abundant; sample apparently includes cuttings from Clayton formation.....	16	615

*probably?*  
*RV*

**PALEOCENE SERIES**

**MIDWAY GROUP**

**CLAYTON FORMATION (upper unit)**

Calcareous sand: light gray N7, very fine-to fine-grained, sub-rounded, well sorted, clear quartz; fine grained-sandy limestone fragments common; marl common; forams abundant; weak to firm calcareous cement..... 15      630

Do..... 30      660

Clayton limestone top..... 665

**CLAYTON FORMATION (limestone unit)**

Limestone: very light gray N8 to light gray N7, aphanitic; very fine-to fine-grained quartz sand common; gastropod molds and shell fragments common; firm calcareous cement..... 15      675

Do..... 62      737

Limestone: white N9 to very light gray N8, aphanitic; impurities rare; gastropod molds and shell fragments common; firm calcareous cement..... 15      752

Do..... 15      767

Lower unit top..... 15      770

**CLAYTON FORMATION (lower unit)**

Arenaceous limestone: very light gray N8 to light gray N7, aphanitic; sand abundant, fine-to coarse-grained, sub-rounded, poorly sorted, clear quartz abundant, green quartz common; feldspar and glauconite common; shell fragments common; weak to firm calcareous cement..... 15      782

PALEOCENE SERIES-continued

Thickness (feet)      Depth (feet)

MIDWAY GROUP-continued

CLAYTON FORMATION (lower unit)-continued

Calcareous sand: light gray N7 to light olive gray 5Y 6/1, fine-to medium-grained abundant, coarse- grained common, sub-rounded, fair-sorted, clear and green quartz; feldspar and glauconite abun- dant; weak calcareous cement.....	15	797
Do.....	18	815
Upper Cretaceous top (from electric log).....		820

UPPER CRETACEOUS SERIES (undifferentiated)

Marl: light olive gray 5Y 6/1; very fine-to fine- grained quartz sand abundant; glauconite abundant; pyrite common; limestone and shell fragments common; sample is contaminated by cuttings of medium-to coarse-grained feldspathic sand from above beds.....	15	830
Marl: light gray N7; very fine-to fine-grained quartz sand abundant; glauconite and pyrite abun- dant; limestone and shell fragments common; forams and ostracods common.....	32	862
Coquina: yellowish gray 5Y 8/1, composed mostly of shell fragments; very fine-to fine-grained quartz sand abundant; glauconite and pyrite common.....	15	877
Do.....	15	892
Similar to preceding; more arenaceous.....	15	907
Do.....	30	937

Thickness  
(feet)      Depth  
(feet)

UPPER CRETACEOUS SERIES (undifferentiated)-continued

Calcareous sand: yellowish gray 5Y 8/1 to light olive gray 5Y 6/1, very fine-to coarse-grained, sub-rounded, fair-sorted, clear quartz; glauconite abundant; pyrite, garnet, and feldspar common; shell fragments common; weak calcareous cement.....	15	952
Marl: light gray N7; very fine-to medium-grained quartz sand abundant; glauconite, pyrite, and feldspar common; shell fragments abundant.....	16	968
Calcareous sand: light gray N7 to light olive gray 5Y 6/1, very fine-to fine-grained, sub-rounded, well sorted, clear quartz; glauconite, pyrite, garnet, and feldspar common; shell fragments common.....	15	983

*conch.*

Potential Water-Bearing Zones

Limestone.....	45	180
Sand and Coquina.....	274	446
Siliceous limestone.....	477	508
Calcareous sand.....	615	665
Limestone.....	665	770
Arenaceous ls. and calcareous sand.....	770	820
Coquina.....	862	937
Calcareous sand.....	937	952