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**LOGS OF SELECTED WELLS IN THE
COASTAL PLAINS OF GEORGIA**

by

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**ATLANTA
1964**

Depth (feet)	Description
1790-1800	Clay, shaly, fine to coarse-grained sand, and cavings of the Clayton (Paleocene) Limestone. The specimens of Cretaceous species of Foraminifera are mixed with Midway species that have caved from higher levels.

1800-1880 No change.

Beds of Taylor age

1880-2000 The top of the beds of Taylor age is placed at 1880 ft. on the basis of electric-log characteristics. The highest occurrence of specimens of *Stensioina americana*, a diagnostic Taylor species, is in the sample at 1960-1970 ft. If the species occurred at a higher level, the specimens were obscured by the coarse-grained sand that composes about 50-75 percent of the samples. Beginning with the sample at 1960-1970 ft., the sand content diminishes gradually, and is small in the sample at 2000-2010 ft.

2000-2010 Small sample, composed of fine-grained sand, glauconite, and fragments of gray shaly clay containing *Inoceramus* fragments, and specimens of *Stensioina americana*, *Planulina dumblei*, and other species of Foraminifera.

2010-2260 No change.

2260-2270 Shale, gray, hard, begins to show in this sample and increases in abundance with depth as the sand content of the samples decreases. The microfauna indicates the Taylor age of the beds.

2270-2410 No change.

2410-2420 Clay, gray, shaly, also fine-grained sand, glauconite, and specimens of Foraminifera, including *Pseudogaudryinella capitosa* that indicates the early Taylor(?) or late Austin(?) age of the beds.

2420-2500 Not described.

Beds of Austin age (electric log correlation)

2500-2520 Not described.

2520-2530 Clay, gray, shaly, fairly hard; contains *Inoceramus* fragments and fragments of specimens of *Kyphopyxa christneri* (early Taylor(?) or late Austin(?) age).

2530-2560 Not described.

2560-2570 Highest occurrence of *Citharina texana* (definite Austin age).

2570-2670 Not described.

2670-2680 Shale, gray, speckled, begins to show in the samples.

2680-2770 Not described.

Atkinson Formation. Upper Member.

2770-2780 Clay, gray, shaly, and a little speckled shale like samples at 2670-

Depth (feet)	Description
	2680 and below; in addition, many fragments of white, very fine grained, micaceous, slightly glauconitic sandstone, containing many fragments of <i>Ostrea</i> sp.
2784-2793	Core. Recovery? Top. Sandstone, gray, moderately soft, extremely fine grained, highly micaceous and carbonaceous, weakly glauconitic. Middle. Like the top part of the core, but is less carbonaceous and contains thin streaks of greenish-gray shale. Bottom. Clay, gray, shaly, micaceous, sandy (medium-grained sand); contains glauconite, many phosphatic nodules, and a few shell fragments.
2780-2820	Cuttings not described.
2820-2830	Sandstone, white, very fine grained, somewhat glauconitic, micaceous, phosphatic, containing many fragments of <i>Ostrea</i> sp., is about 10-25 percent of the sample; a few fragments of greenish-gray, soft flaky shale. Cuttings of gray shaly clay that are probably caving from higher depths, composed most of one sample; the specimens of Foraminifera in the sample do not seem to be indigenous to the material penetrated at this depth, but are probably cavings.
2830-2860	Like sample at 2820-2830 ft.
2860-2870	Sandstone, white, medium-grained, phosphatic, glauconitic, micaceous, calcareous, containing many fragments of <i>Ostrea</i> sp., is at least 25 percent of the sample. The upper member of the Atkinson Formation seems to consist of clay, interbedded with <i>Ostrea</i> -bearing sandstone and relatively thin lenses of greenish-gray shale.
2870-2940	No change.
2940-2950	Sand, fine to coarse-grained is at least 75 percent of the sample; fragments of white, fossiliferous sandstone, like sample at 2860-2870 ft.; a few fragments of carbonaceous material. Cuttings of gray shaly clay are probably cavings.
2950-3030	No change.
3030-3040	The coarse-grained sand composes a smaller part of the cuttings than in the sample at 2940-2950 ft., and the gray clay and fossiliferous sandstone are relatively more abundant.
3040-3060	Not described.
3060-3070	Sandstone, white, medium-grained, glauconitic, phosphatic containing abundant fragments of <i>Ostrea</i> sp., composes most of the sample. Other constituents are a little clay, fine to coarse-grained sand, and a few fragments of grayish-green shale.
3080-3090	Clay fragments are dominant in the sample. Fragments of grayish-green shaly clay are more common here than in samples from higher parts of the upper member of the Atkinson Formation.
3090-3110	Not described.

Depth (feet)	Description
3130	Sidewall core. Sandstone or siltstone, light greenish-gray, very fine grained, micaceous, glauconitic, carbonaceous.
3110-3170	Sample seems to be mostly cavings composed of sand and clay from higher levels.
3178	Sidewall core. Siltstone, light-gray, soft, finely glauconitic.
3170-3190	Not described. Atkinson Formation. Lower Member
3190-3200	Shale, grayish-green, soft, flaky, somewhat micaceous and finely carbonaceous.
3200-3270	Samples are similar to the one at 3190-3200 ft., and contain varying amounts of shale that caves from higher levels.
3270-3280	Shale, grayish-green, that is the principal constituent of the sample, contains minute specimens of Foraminifera.
3280-3290	This sample is the highest occurrence of specimens of <i>Ammobaculites advenus</i> , a characteristic species of the lower member of the Atkinson Formation (Woodbine age).
3290-3358	Not described.
3358-3364	Core. Recovery? Top. Sand, gray, soft, fine to medium-grained, argillaceous, micaceous, somewhat glauconitic. Bottom. Sand, light-gray, fine-grained, argillaceous, micaceous, glauconitic, containing fragments of carbonaceous material.
3370-3380	Shale, greenish-gray, flaky, containing a little fine-grained sand and a few specimens of species of Foraminifera characteristic of the lower Atkinson.
3380-3410	No change.
3410-3420	Shale, like sample at 3370-3380 ft., but 50 percent of the sample is fine to coarse-grained, roughly angular, etched quartz and containing a little coarse-grained glauconite.
3420-3430	Not described.
3430-3440	Sandstone, fine to very coarse grained, containing a little glauconite and few phosphatic nodules. The washed sample is composed, chiefly, of loose sand and cemented fragments of the sandstone.
3440-3450	Not described.
Comanche Series undifferentiated	
3450-3460	Sand, fine to coarse-grained, roughly angular, clear quartz, and a little feldspar; some sand grains are yellow and pink-tinted.
3460-3470	No change.
3470-3480	Sand, like sample at 3450-3460 ft., and a few small fragments of brownish-red, gray and green mottled, slightly micaceous shale.
3480-3717 T.D.	The samples were not studied in detail and are composed, mainly, of sand like the immediately preceding samples, and sparse fragments of red and multi-colored shale. The samples do not suggest that the well penetrated beds older than Comanche.