

**GEORGIA  
STATE DIVISION OF CONSERVATION**

DEPARTMENT OF MINES, MINING AND GEOLOGY  
GARLAND PEYTON, Director

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**THE GEOLOGICAL SURVEY**  
Bulletin Number 74

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

by

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ATLANTA  
1964



• Depth  
(feet)

### Description

- 1440-1450 Sample not studied.
- 1460-1470 Washed sample. Sand, fine to medium-grained; fragments of hard, silty to sandy chalk (Paleocene); and fragments of white, glauconitic, slightly sandy chalk.
- 1470-1510 Samples not studied in detail.

#### Beds of Taylor age

- 1510-1520 Washed sample; large residue. Sand, medium to coarse-grained; fragments of chalky, glauconitic siltstone; and somewhat silty, glauconitic hard chalk. Sample contains many specimens of *Lituola taylorensis*; a few specimens of *Stensioina americana*, *Globorotalites conicus*, and many other species of Foraminifera.
- 1520-2150 Samples not described in detail.  
Samples from 1520 to 1550 ft. like sample at 1510-1520 ft. with the addition of *Inoceramus* fragments at 1550 ft. Below 1700 ft., the samples are smaller, and contain fine to coarse-grained sand; glauconite and *Inoceramus* fragments; fragments of gray, somewhat silty clay shale; and many specimens of Foraminifera.

#### Beds of Austin age

- 2150-2160 Shale, gray, marly; a little sand; nodules of pyrite; many fragments of *Inoceramus*. Abundant specimens of Foraminifera: *Pseudogaudryinella capitosa* var. (Austin variety); a few specimens of *Kyphopyxa christneri* (upper part of beds of Austin age or lower part of beds of Taylor age); a few specimens of species of ostracodes that, usually, are indicative of the beds of Austin age.
- 2160-2420 Shale, gray. The samples usually contain fragments of *Inoceramus* in varying amounts, some nodules of pyrite, and many specimens of Foraminifera and Ostracoda. Herrick<sup>1</sup> (1961, p. 355) reported the occurrence of specimens of *Citharina texana* in a sample at 2310-2320 ft.
- 2420-2540 Highest occurrence (2420 ft.) of fragments of speckled shale, which are progressively more abundant in deeper samples.

#### Atkinson Formation. Upper Member.

- 2540-2550 Like samples from 2160 to 2540 ft., with the addition of many fragments of *Ostrea* sp., also a few fragments of very fine grained, somewhat micaceous, argillaceous sandstone containing a little carbonaceous material and a trace of glauconite.
- 2550-2560 No change.
- 2560-2570 Highest occurrence of grayish-green, micaceous, somewhat sandy (fine-grained sand) shale.

<sup>1</sup>Herrick, S. M., 1961, Georgia Geological Survey Bull. 70.

Depth (feet)	Description
2570-2600	Shale, grayish-green; many fragments of <i>Ostrea</i> sp.; a few fragments of fine-grained sandstone like sample at 2540-2550 ft. The sample also contains loose sand, shale, and specimens of Foraminifera caving from different higher levels.
2600-2616	Core 1. Recovery 6 ft. Top. Sandstone, light-gray, fine to medium-grained, glauconitic, somewhat phosphatic, slightly micaceous. Middle. Sandstone, like top part of core, but more glauconitic, and containing fragments of <i>Ostrea</i> sp. Bottom. Sandstone, light-gray, hard, fine to medium-grained, glauconitic, somewhat phosphatic, calcareous.
2616-2770	Samples are a mixture of cavings from higher levels, composed of fragments of grayish-green shale; several types of fine-grained, micaceous sandstone; and fragments of <i>Ostrea</i> sp. in varying amounts. The material drilled is interpreted as, mainly, fine to medium-grained sandstone and some coarse-grained sand, containing fragments of <i>Ostrea</i> sp., phosphatic nodules, and glauconite.
2770-2780	Sand, coarse-grained, containing phosphatic nodules, and glauconite; also a few fragments of hard, calcareous, fine to medium-grained sandstone. The sample contains fragments of <i>Ostrea</i> sp. and a little lignite.
2780-2940	Samples are similar to sample at 2770-2780 ft. The lignite is progressively more abundant in the samples to 2830 ft., and although present in the samples from 2830 to 2940 ft., it may be caving, in part.
2940-2950	Mainly sand and shell fragments; also fragments of sandstone and lignite (as in the samples from 2770 to 2940 ft.), and a little grayish-green, splintery shale. This sample contains a few specimens of <i>Planulina eaglefordensis</i> .
3030-3040	Mainly cavings of gray clay shale. Also in the sample are fragments of grayish-green, irregularly micaceous shale, in which crushed fossil debris is fairly common.
3040-3050	Like sample at 3030-3040 ft., but fossil debris is more abundant.
<b>Atkinson Formation. Lower Member.</b>	
3050-3060	Shale, gray, flaky, micaceous, slightly carbonaceous is fairly common in the sample.
3060-3100	Samples not described.
3100-3110	Gray, irregularly micaceous shale, and fragments of hard, fine-grained, glauconitic sandstone compose most of the sample; specimens of <i>Ammobaculites advenus</i> also occur.
3110-3197	Samples not described.
3197-3216	Core 2. Recovery 7 ft.

Depth (feet)	Description
(corrected depth	Top 3 ft. Sandstone, gray, medium-grained, argillaceous, glauconitic, micaceous, somewhat phosphatic.
3210-3224)	2nd 22 in. Shale, dark-gray, flaky, containing partings of light-gray, soft, medium-grained, glauconitic, micaceous sand.
	3d 22 in. Sand-streaked shale like middle part of core.
3216-3258	Cuttings are mainly, gray shale like samples below 3050 ft., a little fine-grained sand and glauconite, and cavings from higher levels.
3258-3268	Core 3. Recovery 10 ft.
(corrected depth	Top 1½ ft. Sandstone, gray, fine to very coarse grained, containing pebbles of phosphatic material, glauconite, and large fragments of pyritized lignite. The sandstone is streaked with lenses of gray, flaky shale like core 2 at 3197-3216 ft.
3272-3282)	Middle 3½ ft. Shale, gray, flaky, slightly micaceous, containing partings of fine-grained, glauconitic sandstone. The bottom 4 in. of this part of core 3 is gray, hard, micaceous, glauconitic, calcareous sandstone, containing fragments of carbonaceous material.
	Bottom 5 ft. The upper 2 ft. of this part of core 3 is fine to moderately coarse-grained, roughly angular sand in a tan, waxy clay matrix, containing, also, light-brown, irregularly-shaped nodules of siderite(?).

#### Comanche Series undifferentiated

	The lower 3 ft. of the bottom 5 ft. of core 3 is medium to coarse-grained, roughly angular sand in a white, somewhat micaceous, bentonitic matrix.
3268-3290	Sand, mainly coarse-grained, roughly angular, quartz, and a little white feldspar. Some sand grains are pink-tinted quartz.
3290-3300	No change.
3300	Like sample at 3290-3300 ft., but with the addition at this depth of fragments of mustard-yellow and gray mottled waxy shale.
(corrected total depth	3300-3554 T.D. Mainly coarse-grained quartz sand (a few pink-tinted and yellow-tinted grains); a little white feldspar; a few fragments of mustard-yellow shale; and a few fragments of red and gray mottled, silty, micaceous clay shale.
3572)	

#### SEMINOLE COUNTY

Operator: Mont Warren	GGS. No. 204
Landowner: Grady Bell Well 1A	Elevation: 114 ft. (derrick floor)
Location: Land District 27, Land Lot 61; 560 ft. north of south line; 660 ft. east of west line of Land Lot 61	Total depth: 3810 ft. Completed: Mar. 10, 1950.