## GEORGIA STATE DIVISION OF CONSERVATION

DEPARTMENT OF MINES, MINING AND GEOLOGY GARLAND PEYTON, Director

> THE GEOLOGICAL SURVEY Bulletin Number 74

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

by

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ATLANTA 1964 LOGS OF SELECTED WELLS IN THE COASTAL PLAIN OF GEORGIA

Depth (feet)	Description
4000-4010	No change.
4010-4020	Sand, coarse to very coarse grained quartz, and a little feldspar; many grains are amber-tinted and pink-tinted; also a few frag- ments of "basement" rocks.
4020-4120	Like sample at 4010-4020 ft., and a few fragments of weathered Paleozoic shale.
۰ ۰	Silurian
	Upper Silurian Series
4120-4127	Sand, like sample at 4020-4120 ft., and fragments of red and gray mottled, thinly laminated shale that are probably from the weathered surface of the Paleozoic sedimentary rocks.
4130-4135	Cuttings of diabase, and cavings from higher levels.
4135-4140	Diabase fragments, mainly, and a few fragments of the weather- ed(?) Palezoic rocks.
4140-4145	Like sample at 4135-4140 ft., with the addition of fragments of dark brownish-gray, hard, material (resembles dolomitic lime- stone) attached to fragments of diabase; a few fragments of dark-gray shale (Palezoic).
4145-4150	Not described or no sample.
4150-4155	Diabase, like preceding samples, many fragments of reddish (weathered(?) Paleozoic) shale, and a few fragments of black shale (Paleozic).
4155-4160	Sandstone, gray, quartzitic, extremely fine-grained, a little black shale, and cavings.
4160-4165	Diabase, quartzitic sandstone, and a little black shale.
4169-4170	Core 36. Recovery 1 ft.
	Bottom 1/2 ft. Quartzite, gray, and thin lenses of black shale.
4170-4185 T.D.	Paleozoic sedimentary rocks.

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## **LOWNDES COUNTY\***

Owner: U.S. Government (War	· GGS. No. 182
Department) well 3	Elevation: 202 ft.
Location: 3 mi. southeast of Base	Total Depth: 248 ft.
(Moody Field) at Ordnance Site	Completed:

\*Publication of this data is authorized by the Sun Oil Company, for whom the report was prepared on a commercial basis.

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Summary	of	Stra	tigraphy	
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	Summary of Stratigraphy	Depth	Thickness
	Tertiary	(feet)	'- (feet)
Miocene un	differentiated	5	160
	ampa Limestone	165	25
·			
Oligocene	wannee Limestone	190	to 15
upper, Su			05 ft.
		(last	sample)
	c and paleontologic description of cut- d cores. Samples are cuttings unless e stated.		
Depth (feet)	Description	· .	1.
	Tertiary		
	Miocene Series undifferentiated		1.
5	Clay, red, highly sandy.		
10	Like sample at 5 ft.		· · .
15	Clay, purplish-red, sandy.	·' ·	
20	Clay, pinkish-tan sandy.		35-
25	Clay, yellowish-brown, soft, highly sandy.		
30	Sand, clear quartz, iron-stained, coarse; rounde contains nodules of limonite that were prob red clay.		
. 34	Clay, yellowish-tan, highly sandy (coarse-grain	ed sand)	•
37	Like sample at 34 ft.		
45	Clay, light, yellowish-brown, highly sandy.	•	·
50	Like sample at 45 ft., and many white, modera nodules.	tely soft	, polished
55	Like sample at 50 ft.		
60	Like sample at 55 ft., but much less sandy.		
65	Clay, yellowish-tan, sandy, sticky.		
. 70	Clay, light-gray, sandy (fine-grained sand).	11	· · · · · · · · · · · · · · · · · · ·
	Clay, cream, highly sandy (very fine-grained trace of carbonaceous material.	sand);;;	contains a $\frac{1}{2}$
80	Clay, light-tan, highly sandy, sticky.		
85	Clay, white, highly sandy, sticky.		
90	Sand, white, moderately fine-grained, argillaced	us.	
95	Like sample at 90 ft.		
100	Clay, white, highly sandy; some fragments sho ings.	w dendr	itic mark-
105	Like sample at 100 ft.	 - A	sat gott.

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Depth Description (feet) 110 Like sample at 100 ft. 115 Clay, white, highly sandy, sticky. 120 Clay, white, sandy, containing nodules of light-green, unctuous clay. 125 Sand, clear quartz, containing nodules of white sandy clay. 130 Clay, greenish-white, highly sandy. Clay, white and light-brown, sticky, somewhat sandy. 135 140 Sand, clear quartz, uneven-grained. The sample contains many nodules of white clay, and a few worn fragments of shells of fossil bivalves. 145 Sand, clear quartz, uneven-grained, and a few nodules of white sandy clay. 150 Like sample at 145 ft. 155 Like sample at 145 ft., and a few cream, sandy, calcareous nodules. 160 Like sample at 155 ft. Lower Miocene. Tampa Limestone. 165 Limestone, white, moderately hard, chalky, slightly sandy, containing echinoid fragments, fragments of fossil bivalves and crab claws, and fragmentary sections of Sorites? sp. 170 Like sample at 165 ft. 175 Sand, chalky: a small sample. 180 Limestone, tan, hard, somewhat sandy. 185 ... Limestone, reddish-tan, hard, somewhat sandy. **Oligocene Series** \$ 11 Upper Oligocene. Suwannee Limestone. 5 . : \* \* 190 Limestone, white, moderately hard, chalky; also fragments of tan, slightly sandy limestone, and a little unconsolidated clear quartz sand. Like sample at 190 ft. 195 200 Limestone, light-cream. The cuttings are nodular, seem to be somewhat water-worn, and contain vague traces of impressions of fossil fragments. The sample also contains a few fragments of partially dolomitized limestone, and cavings from higher levels. 205 Limestone, white, hard, containing traces of fossils. The sample also contains fragments of brown dolomitic limestone, cavings (last sample) from higher levels, and a few calcitized specimens of Rotalia cf. R. buramensis.

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