GEORGIA STATE DIVISION OF CONSERVATION

DEPARTMENT OF MINES, MINING AND GEOLOGY GARLAND PEYTON, Director

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LOGS OF SELECTED WELLS IN THE COASTAL PLAINS OF GEORGIA

by

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200	GEORGIA GEODOGICAL SORVET DUMBITIN 14		
Depth (feet)	Description		
	Ammobaculites agrestis, and a few other species common in the lower Atkinson.		
3310-3400	Like sample at 3300-3310 ft. No change in fauna.		
3400-3410	Sand, coarse-grained, quartz, about 75 percent of sample; also a little dark-gray shale like the preceding samples, a few large phosphatic nodules, fragments of lignite, and Ostrea sp.		
3410-3420	Sample almost entirely coarse-grained quartz sand, a few shell fragments and a few large phosphatic nodules.		
a v	Comanche Series undifferentiated		
	basis of electric log correlation. The samples from 3420 to 3510 ft. seem to contain much caved material and the top of the Comanche may be, in fact, at 3510 ft. where the sample shows the characteristic lithology of the Comanche.		
3510-3520	Sand, coarse to very coarse, roughly angular quartz in a white, bentonitic matrix. The sand contains a few pink-tinted and a few yellow-tinted grains, and a few grains of feldspar.		
3520-3550	Like sample at 3510-3520 ft.		
3550-3560	Highest occurrence of fragments of red and gray mottled micaceous, silty shale.		
3560-3810 T.	D. Sand, coarse to very coarse, quartz, containing a few pink-tinted and a few yellow-tinted grains, and a few grains of feldspar.		
	a War in the contract of the c		
	THOMAS COUNTY*		
Operation: Location: ville, Ga	S. Government (War Dept.) Onal Training Station Well 1 8 mi. northeast of Thomas- Completed: Sept. 14, 1942		
Summary of Stratigraphy Depth Thickness (feet) (feet)			
A 185	Tertiary		
X. (*) (*)	ndifferentiated 5 115		
	ampa Limestone 120 15		
101101, 1	7. 10		

^{*}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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-		Depth (feet)	Thickness (feet)
Oligocene	i a 🕦		
	wannee Limestone	135	90
appor, wa	do Dictyoconus zone	225	35
middle an	d lower, Vicksburg Group	260	30
Eocene	÷ .	1	
unner. Oc	ala Limestone upper member	290	to total 5
apper, ce	in zimeseene apper memoera	0.000	depth
Lithologie	and paleontologic description of cut-	4	
	cores. Samples are cuttings unless		
otherwise			•
	, E 1 year	•	* 1
Depth (feet)	Description	*	·• • • • • • • • • • • • • • • • • • •
	Washing a		
••	Tertiary		2 3
	Miocene Series undifferentiated		
5	Sand, clear quartz, fine-grained, sharply angula	r.	•
10	Clay, yellow and white streaked, highly sandy.		
15	Sandstone, tan, moderately fine grained, argilla	ceous.	· 'r'
20 .	Sandstone, yellowish-brown, white-streaked, argi	llaceous	s.
25	Like sample at 20 ft., but loosely consolidated.		
30	Like sample at 25 ft.		
. 35	Like sample at 25 ft.		**
40	Like sample at 25 ft.		(.)
.n. 45	Like sample at 25 ft.	¥	*
a y 50. at	Clay, tan, argillaceous, sandy (fine-grained an sample contains a few small nodules of chalk.		and). The
55	Like sample at 50 ft., and a few small fragmen		lignite.
60	Sand, white, argillaceous, containing small par	ticles o	f limonite.
70	Like sample at 60 ft.	ì	
75	Like sample at 60 ft.	•	
80	Like sample at 60 ft.		
. 85	Like sample at 60 ft.		
90 :	Like sample at 60 ft.		•
95	Like sample at 60 ft.		*
100	Like sample at 60 ft.	2	4
105	Clay, white, sandy, and a few large nodules of sedendritic markings; a few nodules of quartz.	andy cla	ay showing
110	Sand, clear quartz, white, fine-grained, sharply	angula	ar, argilla-
* *-	ceous.		10(5)
115	Like sample at 110 ft., and a few nodules of crear	n sandy	limestone.

Depth (feet)	Description
	Lower Miocene. Tampa Limestone.
120	Limestone, cream, hard, sandy, irregularly porous, nodular, containing traces of impressions of fossils.
125	Like sample at 120 ft.
130	Like sample at 120 ft.
(4)	Oligocene Series
	Upper Oligocene. Suwanee Limestone
135	Limestone, white, chalky, microfossiliferous. The microfauna con-
i.	tains specimens of Rotalia byramensis and Asterigerina sub- acuta, which are characteristic of the Oligocene in this area.
140	Like sample at 135 ft.
145	Like sample at 135 ft.
150	Limestone, white, moderately hard. Large chips of the limestone contains molds and fragments of molds of fossil bivalves, and a few echinoid spines.
155	Like sample at 150 ft. Sections of small miliolids are common in some fragments of the limestone.
160	Like sample at 155 ft.
165	Like sample at 155 ft.
170	Limestone, chalky, hard, nodular, like sample at 155 ft., and a few nodules of flint.
175	Like sample at 170 ft.
180	Like sample at 170 ft.
185	Limestone, white, hard, chalky, coquinoid, composed chiefly of chalk-cemented, worn and rounded molds of microfossils and fragments of macrofossils. The fauna contains a few specimens of Archaias (?) sp. that is characteristic of phases of the Oligocene in Florida; specimens of Rotalia mecatepecensis and small
	miliolids are common.
190	Like sample at 185 ft.
195	Like sample at 185 ft., but the determinable fossils are <i>Rotalia</i> cf. <i>R. choctawensis</i> , echinoid spines and sections of miliolids. The sample contains a few fragments of flint.
200	Similar to sample at 195 ft., but softer. Specimens of several species of small Foraminifera that are common in this sample are characteristic, also, of the Oligocene in Florida.
205	Like sample at 200 ft.
210	Like sample at 200 ft.
215	Like sample at 200 ft. Fragments of echinoids are fairly common.
220	Limestone, white, hard, chalky, nodular, containing fragments of Pecten sp., and traces of molds and fragments of molds of microfossils.

Depth (feet)

Description '

Upper Oligocene. Suwaneee Limestone

Dictyoconus Zone.

225 Limestone, chalky, hard, fossiliferous. The fossils are, mainly, poorly preserved molds. Among the megafossils are fragments of Pecten sp. and large echinoid spines. The microfauna contains specimens of species characteristic of the Oligocene: Valvulammina sp., Valvulina sp., Dictyoconus sp., and Lepidocyclina sp. 230 Like sample at 225 ft. 235 Like sample at 225 ft. 240 Limestone, chalky, fossiliferous, nodular, and numerous fragments of brown, dense, dolomitic (?) limestone. 245 Dolomite, dark-brown, porous, granular crystalline. 250 Dolomite, like sample at 245 ft., and moderately soft chalky lime-255 Dolomite, brown, and a little chalky limestone that is possibly caving from higher levels. 4 Middle and lower Oligocene. Vicksburg Group. 260 Limestone, dolomite, like sample at 255 ft., and white chalky limestone that contains abundant irregular-shaped, rounded, chalky algal concretions, and many specimens of Lepidocyclina mantelli. 265 Limestone, chalky, fossiliferous, concretionary, like sample at 260 ft. Fauna like sample at 260 ft.: Lepidocyclina mantelli is common, and fragments of Lepidocyclina yurnagunensis also occur.

270 Material and fauna like sample at 265 ft. Specimens of Lepidocyclina mantelli and L. yurnagunensis are very abundant.

Like sample at 270 ft., but the fauna is much less abundant and less well preserved.

280 Like sample at 275 ft.

285 Like sample at 275 ft.

Eocene Series

Upper Eocene. Ocala Limestone. Upper Member

290 Limestone, white, hard, porous, fossiliferous, that seems to be a water-worn coquinoid limestone.

295 T.D. Limestone, like sample at 290 ft., and a small amount of fine-grained clear quartz sand. Specimens of Lepidocyclina like those in the samples at 260-270 ft. are probably cavings. Specimens of Lepidocyclina ocalana (two varieties) in the sample indicate the upper Eocene age of the limestone.