GEORGIA STATE DIVISION OF CONSERVATION

DEPARTMENT OF MINES, MINING AND GEOLOGY GARLAND PEYTON, Director

THE GEOLOGICAL SURVEY Bulletin Number 70

WELL LOGS OF THE COASTAL PLAIN OF GEORGIA

by

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Prepared cooperatively by the U. S. Geological Survey

ATLANTA 1961

SEMINOLE COUNTY

* *	SEMINOLE COUNTI
Location: In Donalsonville	Well No.: GGS 149
Owner: City of Donalsonville	Elev.: 1501
Drilled: August 1947	
orther. August 1941	Ol. 47 1 Thickness Depth (feet) (feet)
	. ¹ A
No maniples	60 60
No samples	60 60
In Upper Eocene: Jackson Group: Ocala Limeston	ie:
Limestone: white to cream, much calcitized, crys sive, fossiliferous (bryozoan remains and Foran	stalline, mas- minifera) 100 160
Operculinoides sp., Lepidocyclina sp. at 65-77.	A Company of the Comp
Gypsina globula at 77-90.	
Amphistegina pinarensis var. at 100-112.	
n 1. a	,
Summary:	
No samples	60 60
No samples	100 100
in upper Eocene (Ocala limestone)	100 166
Potential Water-Bearing 2	Zones:
	100 * 160
Limestone	
Remarks:	
A 13:::	.toman account halous fotal doubt
Additional aquifers—water-bearing sands and limes of this well.	stones—occur below total depti
of this well.	
	2.00
ų is	. No to see A to
* ** **	SEMINOLE COUNTY
	TT 11 17 CCC 405.
Location: 660 ft. from south line and 660 ft. from	V
line of Land Lot 82, 27th Land District	Elev.: 145
Owner: No. 1 W. E. Harlow	(derrick floor)
Driller: Mont Warren et al	
Drilled: February 1949	a .
(\$h.) i	Thickness Dept
i i i i i i i i i i i i i i i i i i i	(feet) (feet
الهوالا الأراب ا	142
Residuum:	*
Clay: bluish-gray to tan (mottled), very sandy,	limonitic 40 40
1 Ye	
Upper Eocene: Jackson Group: Ocala Limestone:	•
	.3
Limestone: yellow, much leached, crystalline,	
tized, fossiliferous (casts and molds of megafos	ssils, echinoid
and bryozoan remains, and some Foraminifera	
<u> </u>	
Average elevation based on Georgia State Highway Maps.	9

seg was drop	Thickness (feet)	Depth (feet)
Sand: fine to coarse-grained, angular; some limestone, as above	10	60
Amphistegina pinarensis var., Operculinoides sp., Asterocyclina sp. at 50-60.		
No samples	603	663
In Middle Eocene: Claiborne Group: Tallahatta Formation:		
Sand: fine to coarse-grained, subangular, somewhat indurated, glauconitic; fragments of limestone, gray, crystalline, dense, very sandy, coarsely glauconitic, fossiliferous (fragments, casts and molds of megafossils)	57	720
Lower Eocene: Wilcox Group (Undifferentiated):	:•:	
Indurated sand: fine to medium-grained, subangular, coarsely and abundantly glauconitic, fossiliferous (fish teeth)	30	750
Clay: dark-gray, silty, lignitic, micaceous	160,	910
Paleocene: Midway Group: Clayton Formation:	• *	il1
Limestone: gray, dense, crystalline, very sandy, glauconitic, r_i fossiliferous (fragments and casts of megafossils)	10	920
Indurated sand: fine-grained, dense, saccharoidal, glauconitic (finely disseminated), fossiliferous (fragments, casts and molds of megafossils, bryozoan remains, Ostracods, and Foraminifera)	³ 760 .	980
Operculinoides catenula, Rotalia sp. at 960-970.	,	49
Pseudophragmina stephensoni, Rotalia sp., Boldia madrugensis at 970-980.	-	
Limestone: cream, granular, coarsely glauconitic at certain levels, cherty, fossiliferous (some Foraminifera)	120	1,065
Brown chert prominent at 990-1000.		
Vaginulina longiforma, Boldia madrugensis, Discorbis mid- wayensis var. soldadoensis, Siphonina prima at 1040-1050.		,,
Indurated sand: dark-gray, fine-grained, argillaceous, glau- conitic (finely disseminated), micaceous; stringers of clay, dark-gray, micaceous, carbonaceous.	75	1,140
Indurated sand ¹ : as above	90	1,230
Limestone: gray, granular, rather loosely consolidated, glau- conitic (finely disseminated), fossiliferous (some Foramini-	150	1 400
fera)	170	1,400

^{*}Indurated sand grades gradually downward into the underlying granular limestone. No sharp contact was observed between these two lithologic units.

	Thickness (feet)	Depth (feet)
Marl: gray, silty, chalky, micaceous, fossiliferous (abundant Foraminifera ²)	30	1,430
Upper Cretaceous: Post-Tuscaloosa (Undifferentiated):		
Marl: gray, chalky, micaceous, pyritiferous, fossiliferous (abundant Foraminifera)	25	1,455
Globotruncana cretacea common at 1430-1440.		
Indurated sand: fine-grained, glauconitic, rather dense, micaceous	220	1,675
Marl: gray, chalky, micaceous, pyritiferous, fossiliferous (at certain horizons, macroshells, Ostracods, and Foraminifera)	805	2,480
Planulina taylorensis at 1720-1730.	x Y	
Bolivinoides decorata at 1730-1740.		٠٠,
Kyphopyxa christneri at 2060-2070. Vaginulina texana at 2310-2320.	, *	M _(c)
Sand: fine to coarse-grained, somewhat indurated, glauconitic (finely disseminated); thin stringers of marl, as above	125	2,605
Sand: indurated, more or less fine to coarse-grained, angular, phosphatic, glauconitic (finely disseminated)	145	2,750
Tuscaloosa Formation:	*	
Sand: fine to coarse-grained, angular, micaceous, fossiliferous (at certain horizons, macroshells); clay, pale-green, somewhat mottled, sandy, micaceous	190	2,940
Sand: fine to medium-grained, angular, micaceous, fossilifer- ous (at certain horizons, macroshells); interbedded shale,	,	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
dark-gray, fissile, carbonaceous, micaceous (finely disseminated flakes)	250	3,190
Indurated sand: fine-grained, abundantly glauconitic (finely disseminated); some shale, as above	78	3,268
Sand: coarse-grained, angular, arkosic; interbedded clay, yellowish-green to red (mottled), micaceous, sandy	304	3,572
Summary:	E	
Residuum	40	40
Upper Eocene (Ocala limestone)	20	60
No samples	603	663
In middle Eocene (Tallahatta formation)	57	720
Lower Eccene (Wilcox group, undifferentiated)	190	910
Paleocene (Clayton formation)	520	1,430
Upper Cretaceous (post-Tuscaloosa, undifferentiated)		2,750
Upper Cretaceous (Tuscaloosa formation)	822	3,572

²Tamesi fauna of Paleocene age.

Thickness Depth (feet) (feet)

. 2

Potential Water-Bearing Zones:

None observed in samples available on this well.

Remarks:

Water-bearing limestone occurs somewhere in the interval 60-400. Samples were lacking in the interval 60-663, hence the thickness of the Ocala formation in this well is not known on the basis of available samples.

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ı, ···	803	Contact of the contac		10 m	STEV	WART CO	UNTY
		north of Lumpkin Interstate Land D				No.: GGS : 525	451
	er: Southea ed: October	stern Drilling Com	pany	i		r e	•
		· Control of the cont	2 30			Thickness (feet)	Depth (feet)
Uppe		s: Providence San		. :	• • •		
t	an to pink	coarse-grained, an (mottled) to white	(kaolin) at d	lepth, mic	aceous.		: 70
San	nd: coarse-	grained, angular, a	rkosic	·		5	75
Riple	y Formatio	n:		.2	٠		
1798 (carbonaceou (macroshell Gaudryina	ay, silty, somewhas, phosphatic, glauds, Ostracods, and Fep., Robulus sp., Ar	conitic, fossil 'oraminifera	liferous a	t depth	255	330
	110. Loxostoma	plaitum, Anomalia	na pseudopa	pillosa,	Anoma-	*11	i
2.	. 24	tiana at 120-130. enbesti at 220-230.			•		•
Cuss	eta and Bl	ifftown (Undiffere	ntiated):	4			
,]	lignitic; int	coarse-grained, an erbedded clay, dark , carbonaceous, mic	bluish-gray	to brown	, some-		510
	WHAT TISSHE	, carbonaceous, inic	aceous, pyri	erous		100	910
	•		Summary:			•	
Uppe	er Cretaceo	us (Providence san	d)		3	75	75
Uppe	er Cretaceo	us (Ripley formatio	n)			255	330
Upp	er Cretaceo	us (Cusseta and Bl	ufftown, un	differenti	ated)	180	510