GEORGIA STATE DIVISION OF CONSERVATION

DEPARTMENT OF MINES, MINING AND GEOLOGY GARLAND PEYTON, Director

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WELL LOGS OF THE COASTAL PLAIN OF GEORGIA

by

Stephen M. Herrick, Geologist United States Geological Survey



Prepared cooperatively by the U. S. Geological Survey

ATLANTA 1961

Middle Eocene: Claiborne Group (Undifferentiated):	Thickness (feet)	Depth (feet)
Dolomitic limestone: brown, saccharoidal; interbedded lime		.,
stone, white, fossiliferous	370	1,350
G		15
Summary:	. 4	
Pliocene to Recent (undifferentiated)	150	150
Miocene (undifferentiated)	430	580
Oligocene (undifferentiated) Upper Eocene (Ocala limestone)	20	600
Upper Eocene (Ocala limestone)	380	980
Middle Eocene (Claiborne group, undifferentiated)	370	1,350
Potential Water-Bearing Zones:	guji e et es	, ١
Sand: fine to coarse-grained		· i 150
Sand: fine to coarse-grained	60	600
Limestone (2) Share	300	900
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· · · · · · · · · · · · · · · · · · ·	1 Moures	
	LYNN COL	INTY
	1	
Location: Jekyll Island W	ell No.: GG	S 431
Owner: No. 1 Jekyll Island (State of Georgia). El Driller: M. M. Gray	lev.: 12¹	
The state of the s		
Drilled: 1955	Thickness (feet)	Depth (feet)
Drilled: 1955	Thickness	Depth
Drilled: 1955	Thickness (feet)	Depth
Drilled: 1955 Pliocene to Recent (Undifferentiated):	Thickness (feet)	Depth (feet)
Drilled: 1955 Pliocene to Recent (Undifferentiated): Sand: fine-grained, phosphatic (finely disseminated)	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated): Sand: fine-grained, phosphatic (finely disseminated) Clay: dark-gray, silty, sparsely phosphatic, micaceous, fossil iferous; sand, as above	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated): Sand: fine-grained, phosphatic (finely disseminated) Clay: dark-gray, silty, sparsely phosphatic, micaceous, fossil iferous; sand, as above	Thickness (feet)	25 105 1125 119
Pliocene to Recent (Undifferentiated): Sand: fine-grained, phosphatic (finely disseminated) Clay: dark-gray, silty, sparsely phosphatic, micaceous, fossil iferous; sand, as above	25 25 20 h 160 ;	Depth (feet) 25 105 125 285
Pliocene to Recent (Undifferentiated): Sand: fine-grained, phosphatic (finely disseminated) Clay: dark-gray, silty, sparsely phosphatic, micaceous, fossil iferous; sand, as above. Miocene (Undifferentiated): Sand: fine to medium-grained, phosphatic Clay: dark-green, sandy, phosphatic, cherty; interbedded with sand, fine to coarse-grained, phosphatic Sand: fine to coarse-grained, abundantly phosphatic; interbedded limestone, white, sandy, phosphatic, fossiliferous dolomitic limestone, light-brown, saccharoidal, sandy, phosphatic	25 80 20 h 160 ;	25 105

Average elevation based on Georgia State Highway Maps.

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	Thickness (feet)	Depth (feet)
Oligocene (Undifferentiated):		17,
Limestone: créam, nodular, much calcitized, fossiliferous (macroshells, bryozoan remains, and some Foraminifera)	10	575
Rotalia mexicana var., Argyrotheca sp., Operculinoides ² sp., and macroshells common at 575-585.		
Upper Eocene: Jackson Group: Ocala Limestone:		. 6
Limestone: white, rather dense (calcitized), fossiliferous (macroshells, echinoid and bryozoan remains, and Foraminifera)	131	706
Operculinoides sp. at 575-585.		
Gypsina globula at 635-645.		
	,	* 1.
Summary:		
Discours to December (and differentiated)	10"	105
Pliocene to Recent (undifferentiated)		105 565
Oligocene (undifferentiated)		575
Upper Eocene (Ocala limestone)		706
opport income (ocata innestone)		100
Potential Water-Bearing Zones:		
Sand: fine to coarse-grained	20	175
Sand: fine to coarse-grained		495
Limestone		706
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GL	YNN COL	JNTY
Location: Jekyll Island We	ll No.: GG	S 452
the control of the co	v.: 12¹ ".	•
Drilled: 1955		•
* J (*)	Thickness	Denth
<u>,. </u>	(feet)	(feet)
Pliocene to Recent (Undifferentiated):	, ,	
Pliocene to Recent (Undifferentiated):	. •	
Sand: fine-grained, finely disseminated phosphatic grains; in- terbedded clay, dark-gray, silty, lignitic, micaceous, fossil- iferous	50	50
		90
Sand: fine to coarse-grained, rounded, phosphatic; limestone, dark-gray, dense (much calcitized), sandy, sparsely phos-	eu.	1-6
phatic	10	. 60
Clay: yellowish-green to cream, very sandy	45	1, 105
Average elevation based on Georgia State Highway Mans.		

¹Average elevation based on Georgia State Highway Maps. ²Reworked (?) fossil of middle Eocene age.