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

Stephen M. Herrick, Geologist United States Geological Survey



Prepared cooperatively by the U. S. Geological Survey

ATLANTA 1961

WEILI LOOS	OF THE COASTALL TEATH OF	GEORGIA		200
	· .	9	Thickness (feet)	Depth (feet)
Pote	ential Water-Bearing Zones	:	(Ieee)	(1000)
Limestone			273	840
	· · · · · · · · · · · · · · · · · · ·		:•:	
	Remarks:			
Sample intervals too great t		nation of	formation	al to
of upper Eocene (Ocala lime	stone),		,	·
,			• •	
, ,	*5	JEFFE	RSON CO	IINT
Location . For branded rion	da waat of II S Highway		.: GGS 18	
Location: Few hundred yard 1, south side of Quakel Str		Elev.: 4		99
Owner: No. 2 U.S. Geologica	l Survey test hole	٠٠.		<i>.</i>
Driller: J. K. Scott Drilling Drilled: July 1946	Company		ч.	180
Diffied. July, 1940	* .	91	Thickness (feet)	Dept (feet
		<u> </u>	(reer)	. (1660
Miocene (Undifferentiated):			((0))	
	purple (mottled), sandy, lin	monitic	20	. 2
	· ·			_
	red (somewhat mottled),		. 10	3
	ed, subangular, arkosic		20 .	5
	ā	*		•
Upper Eocene: Jackson Gro	up: Barnwell Formation:			
Clay: white to light-gray,	somewhat indurated, very s	andy	. 20	7
Sand: fine to coarse-grain	ed, angular; clay, light-gra	y	10	8
Clay: yellowish-green to t	an (mottled), somewhat in	durated,,		
blocky, sandy	,		_ 30	11
Sand: fine to coarse-grain	ed, angular, arkosic		_ 30	14
Clay: dark-green, sandy, carbonaceous, fossiliferous (Foraminifera)		_ 10	15	
Valvulineria jacksonens 150.	is abundant, Nonion advena	at 140-	*	
Middle Eocene: Claiborne G	roup (Undifferentiated):			
Clay: light-gray to chocols	ate-brown, carbonaceous, mi	icaceous.		
			_ 10	16
	ated clay, dark-green, carbo			
micaceous (finely disseminated)		_ 25	18	

Upper Cretaceous: Tuscaloosa Formation:		
Kaolin: light-gray to pink (mottled), sandy, micaceous	65	250
Sand: fine to medium-grained, angular; kaolin, mottled, sandy, micaceous		270
Sand: fine to coarse-grained, arkosic		290
Sand: fine to coarse-grained; clay, gray to yellowish-green, sandy, micaceous	50	340
Clay or kaolin: light-gray, micaceous (sericitic)		350
Sand: fine to coarse-grained; clay, gray, sandy, micaceous		480
Clay; pale-green to white, micaceous	20	500
Sand: fine to coarse-grained, arkosic	49	549
	,	
Summary:	•	
Miocene (undifferentiated)	50	50
Upper Eocene (Barnwell formation)	100	150
Middle Eocene (Claiborne group, undifferentiated)		. 185
Upper Cretaceous (Tuscaloosa formation)	364	549
Potential Water-Bearing Zones:		
Sand: fine to coarse-grained	30	140
Sand: fine to coarse-grained		290
Sand: fine to coarse-grained		510
	2	4. 1
• JEFFE	RSON CO	UNTY
Location: In Louisville Well No	o.: GGS 21	a
Owner: City of Louisville Elev.: 3		.0
Drilled: March 1952		
•	Thickness (feet)	Depth (feet)
No samples	25	25
In Upper Eocene: Jackson Group: Barnwell Formation:		
Marl: yellowish-green to gray, silty, somewhat indurated at		
depth, fossiliferous (Foraminifera); interbedded sand, fine to coarse-grained, angular	92	117
Nonion advena at 25.		
Valvulineria jacksonensis at 75.	•	
Angulogerina ocalana prominent at 95.	4	.,
Limestone prominent at 102-107.		

Average elevation based on Georgia State Highway Maps.