## 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

3	Thickness (feet)	Depth (feet)
Summary:		
Miocene (undifferentiated)	220	" 220
Miocene (undifferentiated) Oligocene (undifferentiated)	20	.4. 240
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Potential Water-Bearing Zones:		
Sand: fine to coarse-grained.	10	180
Limestone		240
Sales (1886) 18 April		19
MONTGO	MERY CO	UNTY
Location: Near Mt. Vernon Well No.:	GGS 450	
Owner: No. 1 Mt. Vernon Elementary and High Elev.: 228		, i
School	÷	
Driller: M. M. Gray Drilling Company		,
Drilled: 1955		
	Thickness (feet)	Depth (feet)
Miocene (Undifferentiated):	87.	
Clay: mottled, sandy, limonitic; interbedded sand, fine to	,	gr 1 5
coarse-grained, angular, arkosic		60
Clay: yellowish-green, sandy, fossiliferous at depth; inter-	J	
bedded sand, fine to coarse-grained, angular, arkosic, phosphatic at depth	270	330
Black phosphatic pebbles common at 200-210.	Arth Figh	-
Macroshells at 290-300.	. 14	, 1° · ·
Oligocene (Undifferentiated):		•
Limestone: light-gray, extremely dense, massive, cherty,	9	• •
sandy, sparsely phosphatic (at top), fossiliferous (some		,
echinoid and bryozoan remains and Foraminifera, latter		X.
abundant at depth)		450
Rotalia mexicana var., Quinqueloculina sp. at 340-350.	×	•
Gypsina globula <sup>1</sup> at 360-370.		
	٠.,	**
Lepidocyclina <sup>1</sup> sp., Coskinolina? sp. at 400-410.		
Dictyoconus <sup>1</sup> sp. at 440-450.		
Upper Eocene: Jackson Group: Ocala Limestone:		•
Limestone: cream, relatively soft, somewhat calcitized and	11 14	· (PI)
granular, nodular at certain levels, fossiliferous (echinoid and bryozoan remains and Foraminifera)		500
Lepidocyclina <sup>2</sup> sp. at 450-460.	,	
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Lepidocyclina sp. common at 480-490.	( <b></b> )	
On community and an arrangement of the same of the sam		

<sup>&</sup>lt;sup>1</sup>Reworked(?) fossil of middle Eocene age. <sup>2</sup>Probably Lepid. chaperi.

	Thickness (feet)	Depth (feet)
Summary:		
Miocene (undifferentiated)	330	° 330
Oligocene (undifferentiated)	120	450
Upper Eccene (Ocala limestone)	10 50	500
the control of the co	i .	· *. •
Potential Water-Bearing Zones:		<b>a</b>
Limestone	160	500
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MONTGOI	MERY CO	UNTÝ
Location: Near Uvalda Well No.:  Owner: No. 1 Uvalda Elementary School  Driller: Scott Brothers  Drilled: 1955	GGS 514	<b>.</b>
Drilled: 1955	Thickness (feet)	Depth (feet)
Miocene (Undifferentiated):		
Sand: fine to coarse-grained, limonitic; some clay, pale-green to red (mottled), sandy  Clay: pale-green, sandy		10 60
Sand: fine to medium-grained, coarser and arkosic at depth;	20	, 80
Clay: pale-green, micaceous, cherty and phosphatic at depth	120	200
Light-brown chert common at 90-100.		
Fine-grained phosphatic pebbles at 100-110.		
Sand: fine-grained, finely phosphatic; some clay, as above	10	210
Clay: dark-green, sandy		230
Sand: fine to coarse-grained, arkosic	10 •	240
Clay: dark-green, sandier and abundantly phosphatic at depth	Deletes .	280
Clay: as above; fragments of limestone, white, weathered, macroshells		290
Limestone: white, sandy, phosphatic, fossiliferous	20	310
Limestone: as above; clay, pale-green, blocky, with conchoidal fracture	80	390