

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

	Thickness (feet)	Depth (feet)
Summary:		
Miocene (undifferentiated)	330	330
Oligocene (undifferentiated)	120	450
Upper Eocene (Ocala limestone)	50	500

Potential Water-Bearing Zones:

Limestone	160	500
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MONTGOMERY COUNTY

Location: Near Uvalda

Well No.: GGS 514

Owner: No. 1 Uvalda Elementary School

Elev.: 185

Driller: Scott Brothers

Drilled: 1955

	Thickness (feet)	Depth (feet)
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Miocene (Undifferentiated):

Sand: fine to coarse-grained, limonitic; some clay, pale-green to red (mottled), sandy	10	10
Clay: pale-green, sandy	50	60
Sand: fine to medium-grained, coarser and arkosic at depth; some clay, as above	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	20	230
Sand: fine to coarse-grained, arkosic	10	240
Clay: dark-green, sandier and abundantly phosphatic at depth	40	280
Clay: as above; fragments of limestone, white, weathered, macroshells	10	290
Limestone: white, sandy, phosphatic, fossiliferous	20	310
Limestone: as above; clay, pale-green, blocky, with conchoidal fracture	80	390

	Thickness (feet)	Depth (feet)
Sand: fine to coarse-grained, subangular, more indurated at depth, phosphatic, fossiliferous (a coquina at certain levels).....	40	430

Oligocene (Undifferentiated):

Limestone: light-gray, somewhat reddish-brown to cream at depth, nodular, very sandy, sparsely phosphatic, fossiliferous (echinoid and bryozoan remains, Ostracods, and Foraminifera at certain levels).....	90	520
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Rotalia mexicana var. at 440-450.

Quinqueloculina sp., *Elphidium* sp., *Rotalia mexicana* var. at 450-460.

Upper Eocene: Jackson Group: Ocala Limestone:

Limestone: reddish-brown to cream, rather soft and chalky, somewhat granular at depth, fossiliferous (common to abundant echinoid and bryozoan remains and Foraminifera).....	27	547
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Camerina striatoreticulata, *Lepidocyclina* sp. at 520-530.

Camerina striatoreticulata abundant at 530-547.

Summary:

Miocene (undifferentiated)	430 ¹	430
Oligocene (undifferentiated)	90	520
Upper Eocene (Ocala limestone).....	27	547

Potential Water-Bearing Zones:

Limestone	107	547
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MONTGOMERY COUNTY

Location: Near Ailey

Well No.: GGS 515

Owner: No. 1 Ailey Elementary and High School

Elev.: 253¹

Driller: Scott Brothers

Drilled: 1955

	Thickness (feet)	Depth (feet)
Miocene (Undifferentiated):		
Clay: pale-green to mottled, sandy; interbedded sand, fine to medium-grained, subangular, phosphatic.....	315	315

¹Average elevation based on Georgia State Highway Maps.