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

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ATLANTA
1961

	Thickness (feet)	Depth (feet)
Upper Eocene: Jackson Group: Ocala Limestone:		
Dolomitic limestone: dark-brown, saccharoidal, massive	105	400

Summary:

Pliocene to Recent (undifferentiated)	35	35
Miocene (undifferentiated)	145	180
Oligocene (undifferentiated)	115	295
Upper Eocene (Ocala limestone)	105	400

Potential Water-Bearing Zones:

Limestone	115	295

THOMAS COUNTY

Location: Approximately 7 mi. south of Meigs — Well No.: GGS 495
Owner: No. 1 Waverly Petroleum Products Company — Elev.: 384
Driller: Layne-Atlantic Company
Drilled: 1955

	Thickness (feet)	Depth (feet)
No samples	10	10
In Miocene (Undifferentiated):		
Clay: bluish-gray to purple (mottled), sandy, limonitic	5	15
Clay: yellowish-green, very sandy; some mottled clay, as above	13	28
No samples	9	37
Sand: fine to medium-grained, angular	23	60
Clay: yellowish to dark-green, somewhat indurated, tough, phosphatic at depth, sandy; interbedded thin beds of sand, fine to medium-grained, angular	107	167
Light-brown phosphatic pebbles common at 126-147.		
Limestone: white to gray to light-brown, dense, somewhat crystalline and saccharoidal, much calcitized, sandy	226	393
Limestone: as above but much sandier, phosphatic	41	434
Sand: fine to coarse-grained, angular; clay, gray to yellowish-green, somewhat fissile, carbonaceous; limestone, as above	82	516

	Thickness (feet)	Depth (feet)
Oligocene and Upper Eocene (Undifferentiated):		
Dolomitic limestone: light-brown, saccharoidal	287	803
Pyrgo? sp. at 603-618.		
Rotalia mexicana var. at 680-700.		
Limestone: cream, much calcitized, granular, rather loosely consolidated and porous, fossiliferous (some "small" Foraminifera)	102	905
Cibicides ocalanus, Uvigerina dumblei at 803-823.		
Robulus alato-limbatus, Siphonina jacksonensis, Uvigerina dumblei, Dentalina jacksonensis at 823-844.		

Summary:

No samples	10	10
In Miocene (undifferentiated)	506	516
Oligocene and upper Eocene (undifferentiated)	389	905

Potential Water-Bearing Zones:

Limestone	102	905

Remarks:

The limestone section represented by this well is composed largely of dolomitic limestone which yields mineralized water. Hence, this area presents a problem in searching for satisfactory aquifers. There seem to be two possibilities in the solution of this problem, both requiring careful exploration however. The shallower-lying limestones of Miocene age may carry some ground water. Likewise the limestones occurring below 800 feet might deserve further development. However it is known that the mineralization of ground water in this area increases with depth.

TIFT COUNTY

Location: About 1 mi. east of Tifton
Owner: No. 1 Armour and Company
Driller: Layne-Atlantic Company
Drilled: June 1945

Well No.: GGS 82
Elev.: 330

	Thickness (feet)	Depth (feet)
No samples	10	10
In Miocene (Undifferentiated):		
Clay: mottled, sandy, limonitic	5	15