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
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LIBERTY COUNTY

Location: 1.8 mi. north of Flemington, Liberty Field (Camp Stewart) Well No.: GGS 38
Elev.: 46
Owner: U. S. Government (War Department)
Driller: Virginia Machine and Well Company
Drilled: October 1942

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Clay: bluish-gray to red (mottled), sandy	10	10
Clay: brick-red, sandy	5	15
Sand: fine to coarse-grained, arkosic; interbedded clay, dark-gray to black, lignitic, micaceous	25	40
Sand: fine-grained, argillaceous, finely disseminated phosphatic grains	5	45
Clay: gray to bluish-gray, somewhat indurated, blocky, phosphatic (brown phosphate pebbles)	10	55
Miocene (Undifferentiated):		
Clay: dark-green, silty, micaceous, reddish-brown phosphatic grains	245	300
Limestone: light-gray, very sandy, phosphatic, fossiliferous (fragments and impressions of megafossils)	7	307
Clay: as above, but much sandier	48	355
Limestone: white, dense, very sandy, phosphatic; interbedded dolomitic limestone, light-brown, saccharoidal, sandy, phosphatic	30	385
Oligocene (Undifferentiated):		
Limestone: gray, very dense (much calcitized), sandy, fossiliferous (casts and impressions of megafossils); scattered fragments of porous limestone, cream, fossiliferous (Foraminifera)	25	410

Rotalia mexicana var. at 385-390.

Summary:

Pliocene to Recent (undifferentiated)	55	55
Miocene (undifferentiated)	330	385
Oligocene (undifferentiated)	25	410

	Thickness (feet)	Depth (feet)
Potential Water-Bearing Zones:		
None observed to 410.		
Remarks:		
Well reportedly reached a total depth of 508.		

LIBERTY COUNTY

Location: 7 mi. northwest of Liberty County Courthouse at Hinesville, about 1,600 ft. northeast of Taylors Creek Rd., at Camp Stewart
Well No.: GGS 66
Elev.: 88
Owner: U.S. Government (War Department)
Driller: Virginia Machine and Well Company
Drilled: October 1940

	Thickness (feet)	Depth (feet)
Pliocene to Recent (Undifferentiated):		
Sand: fine to medium-grained, phosphatic (finely disseminated); interbedded clay, dark-gray, lignitic, micaceous	80	80
Sand: very coarse-grained, rounded	65	145
Sand: fine-grained	50	195
In Miocene (Undifferentiated):		
Clay: dark-green, silty, phosphatic	50	245
Clay: pale to dark-green, somewhat indurated, sandy, phosphatic	110	355
Clay: dark-green, very sandy, phosphatic	10	365
Sand: very coarse-grained	5	370
Sand: fine to coarse-grained, phosphatic; limestone, white, dense (much calcitized), very sandy, phosphatic, fossiliferour (casts and molds of megafossils)	70	440
Dolomitic limestone: light-brown, saccharoidal, sandy, phosphatic	5	445
Limestone: white to light-gray, highly calcitized, sandy, phosphatic	15	460
Quinqueloculina sp., *Massilina* sp. at 460.		
No samples	40	500