

665 121

County, Early

Mont Warren - A. C. Chandler #1

Location: 250 ft. north and 963 ft. west of southeast corner of north one-third of Lot #406, 26th Land District

Elevation: Derrick floor, 187 ft.

Total depth: 7,320 ft.

Surface casing: 10-3/4", 604 ft. cemented bottom to top.

9-3/4" hole drilled to 6,023 ft.

Date started: July 11, 1943. Completed: October 3, 1943

Surface - 42	Sandy clay and sand
42 - 96	Hard sand stone
96 - 194	Hard sand and shale
194 - 250	Sand and shells
250 - 262	Hard rock
262 - 452	Sand and shells
452 - 540	Shells, sand and gravel
540 - 595	Sandy shale and shells
595 - 602	Shale and shells
602 - 605	Rock (set and cemented surface pipe)
605 - 720	Sand and shale
720 - 1,000	Shells and shale
1000 - 1,040	Shells and shale
1040 - 1,105	Boulders and gumbo
1105 - 1,158	Limestone
1158 - 1,497	Shale
1497 - 1,534	Shale
1534 - 1,665	Shale
1665 - 1,875	Shale and shells
1875 - 2,039	Shells and shale
2039 - 2,293	Shale
2293 - 2,471	Shale, sand streaks
2471 - 2,715	Hard shells and shale
2715 - 2,850	Sand
2850 - 2,882	Shale and sand streaks
2882 - 3,047	Shale
3047 - 3,506	Sand and streaks of shale
3506 - 3,746	Sand and shale
3746 - 3,962	Sand and shale
3962 - 4,082	Shale and streaks of sand
4082 - 4,227	Shale and sand
4227 - 4,388	Sand and shale
4388 - 4,457	Shale and sand streaks
4457 - 4,644	Shale and sand
4644 - 4,796	Sand and shale
4796 - 4,829	Shale
4829 - 5,013	Shale and sand
5013 - 5,106	Sand and shale
5106 - 5,233	Shale and sand
5233 - 5,336	Shale and sand
5336 - 5,407	Shale and sand
5407 - 5,596	Shale and sand
5596 - 5,700	Sand and shale
5700 - 5,736	Sand and shale
5736 - 5,912	Sand and shale
5912 - 5,925	Sand and shale
5925 - 5,980	Sand and shale

County, Early (Cont'd)

5,980 - 5,998  
5,993 - 6,027

Lime  
Sane

DRILLERS LOG - DEEPENING HOLE

6,023 - 6,038	Core No. 1 - 8' sand and shale
6,038 - 6,094	Sand and shale
6,094 - 6,210	Sand and shale
6,210 - 6,327	Sand and shale
6,327 - 6,394	Sand and shale
6,394 - 6,505	Sand and shale
6,505 - 6,576	Hard sand
6,576 - 6,600	Sand and shale
6,600 - 6,607	Core No. 2 - 7' Red shale
6,607 - 6,628	Hard sand
6,628 - 6,717	Red shale and sand
6,717 - 6,727	Red shale
6,727 - 6803	Shale and sand
6,803 - 6,824	Shale and sand - Hard
6,824 - 6,863	Shale and sand
6,863 - 6,873	Core No. 3 - No recovery
6,873 - 6,900	Shale and sand
6,900 - 6,910	Shale
6,910 - 6,948	Shale and sand
6,948 - 6,963	Hard shale
6,963 - 6,965	Sand and shale - black
6,965 - 6,985	Core No. 4 - shale - 20' core
6,985 - 7,003	Core No. 5 - shale - 18' core
7,003 - 7,034	Shale
7,034 - 7,064	Shale
7,064 - 7,105	Shale
7,105 - 7,126	Shale and sand
7,126 - 7,172	Shale
7,172 - 7202	Shale and sand - hard
7,202 - 7,209	Shale - hard
7,209 - 7,219	Sand - shale
7,219 - 7,226	Sand - shale
7,226 - 7,235	Hard sand
7,235 - 7,255	Sand - shale
7,255 - 7,275	Hard sand and shale
7,275 - 7,291	Sand
7,291 - 7,294	Total depth

Began rigging up 9/5/43 - repairing mud pits and getting hole  
in shape on to 9/14/43

CORES:

No. 1 - 6,023'  
No. 2 - 6,600'

8' Sand and shale  
7' Red shale

County, Early (Concl'd).

No. 3 - 6,863'  
No. 4 - 6,865'  
No. 5 - 6,985'

No recovery  
20' Black shale  
18' Black shale

UNPUBLISHED RECORDS  
SUBJECT TO REVISION

100 477  
 100 478  
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 100 500

Section:

Depth  
in Feet:

Thin to coarse-grained, laumontitic and	0 - 4
bedded, sandy clay	4 - 27
bedded, with some red, abundantly laumontitic, sandy	
clay plus occasional fragments of radiolaria (lenticled)	27 - 44
limestone	
bedded, sandy, fine to medium grained, micaceous, sandy	44 - 50
clay, micaceous, micaceous, micaceous, sandy	50 - 70
clay, micaceous, micaceous, micaceous, sandy	70 - 92
Thin to medium-grained, micaceous, sandy	
limestone, also gray, sandy, micaceous, sandy	
shell-bearing limestone (later, a coquina). Sib.	
radiolaria, Sib. radiolaria, Sib. radiolaria	92 - 104
bedded, indurated, micaceous, sandy	
coarse-grained sand (or sandstone)	104 - 125
Co.: plus some gray, sandy	125 - 166
Thin to medium-grained sand, micaceous, sandy	166 - 186
bedded, micaceous, micaceous, micaceous, sandy	
leaving sand, or coquina	186 - 216
Thin to medium-grained, micaceous, sandy	216 - 246
Co.: plus some dark gray, micaceous, sandy	246 - 268
Thin to coarse-grained, micaceous, sandy	268 - 304
Co.: plus abundant fragments of sandy limestone carry-	
ing molds and casts of coarse shells (particularly	
gastropods), and occasional fragments of dark gray,	
micaceous, carbonaceous clay; black, polished, ches-	
tic pebbles, prominent	304 - 330
Thin to medium-grained, abundantly laumontitic	
sand with frequent fragments of dark gray, micaceous,	
laumontitic clay, and scattered fragments of sandy	
limestone, latter as in above sample	330 - 350
Co.: plus frequent fragments of sandy, abundantly-	
laumontitic, shell-bearing limestone, or indurated	
sand (coquina)	350 - 371
Dark gray, micaceous, carbonaceous, laumontitic clay with	
occasional fragments of sandy limestone	
with occasional fragments of sandy	
laumontitic, sandy limestone, latter as in above sample	371 - 391
Co.: plus some micaceous, micaceous, micaceous, sandy	391 - 417
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	417 - 447
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	447 - 477
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	477 - 507
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	507 - 537
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	537 - 567
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	567 - 597
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	597 - 627
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	627 - 657
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	657 - 687
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	687 - 717
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	717 - 747
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	747 - 777
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	777 - 807
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	807 - 837
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	837 - 867
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	867 - 897
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	897 - 927
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	927 - 957
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	957 - 987
Thin to medium-grained, micaceous, sandy	
limestone, micaceous, micaceous, micaceous, sandy	
bedded, indurated, micaceous, sandy	
Co.: plus some micaceous, micaceous, micaceous, sandy	987 - 1017

Description:

Foot  
in feet:

Dark gray interbedded with thin layers of indurated, fossiliferous sand	617 - 620
<i>Discosporium strobiliferum</i>	617 - 627
Dark gray, fossiliferous sand with thin layers of indurated sand. <u>Color: Green.</u>	
<i>Discosporium, abundant</i>	620 - 665
Sandy, gray, fossiliferous sand. <u>Color: brownish, abundant</u>	665 - 670
Sand, gray, fossiliferous sand	670 - 700
Sand, gray, fossiliferous sand	700 - 710
Sand, gray, fossiliferous sand, gray, sandy sand	
Indurated sand, fossiliferous sand, indurated	710 - 720
Sand, gray, fossiliferous sand	720 - 770
Indurated sand, fossiliferous sand, indurated	
Sand (and sand) with fossiliferous sand of base, gray.	770 - 770
Sand, gray, fossiliferous sand	

Footage:

See H. S. ...  
4/19/50 ...

Section (1251)	0 - 80
Section (Upper Lorraine) (1251)	80 - 110
Section (Middle Lorraine) (1251)	110 - 210
Section (Lower Lorraine) (1251)	210 - 216
Section (1251)	216 - 218
Section (1251)	218 - 218
Section (1251)	218 - 218
Section (1251)	218 - 770+

Section 1251 - 1251

Thin to medium bedded sand, at base, 108 - 120, 121 - 276, 277 - 280 and 281 - 282.	
Indurated sand	616 - 718

Remarks:

This thickness of the Midway lies 100 - 130 (top of) below above total depth of 770-feet, as indicated by log of 'Mont Warren' 1 ... J. Chandler, Daily Co.

UNPUBLISHED RECORDS  
SUBJECT TO REVISION

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION

No. GGS 437

OTHER Nos. Farmers Gin &  
Warehouse #1

WELL LOG

State Georgia County Early Subarea \_\_\_\_\_

Owner Farmers Gin & Warehouse Co.

Location 7 miles South of Blakely

Drilled by Gayne-Atlantic Address \_\_\_\_\_

Start: May 1955

Date Comp: June 25, 1955 Casing diam. 10 inches Land-surf. alt. 173 feet

Source of data well cuttings

(Enter type of well, perforations, yield, and drawdown at end of log)

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	sand, mostly fine to coarse-grained with frequent fragments of gray, indurated (limy) sand (or sandy limestone) and gray, indurated fissile clay	114	334
	sand, fine to coarse-grained plus occasional fragments of indurated, fissile clay, latter as in above samples	241	1125
	<u>Summary:</u>		
	<u>Formation:</u>		
	In Midway, Undifferentiated - 770 to 1016 feet		
	Upper Cretaceous - 1016 feet to 1125 feet +		
	<u>Possible Water-Bearing Horizons:</u>		
	Sand, fine to coarse-grained - 372 to 1016 feet		

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WATER RESOURCES DIVISION

No. GGS 437

OTHER NOS. Farmers Gin & warehouse Co. #1

WELL LOG

State Georgia County Early Subarea \_\_\_\_\_

Owner Farmers Gin & warehouse Co.

Location 7 miles south of Blakely

Drilled by Layne-Atlantic Address \_\_\_\_\_

Start: May 1955  
Date Comp: June 25, 1955 Casing diam. 10 inches Land-surf. alt. 173 feet

Source of data well cuttings

(Enter type of well, perforations, yield, and drawdown at end of log)

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	Sand, limonitic, fine to coarse-grained	4	4
	Clay, mottled, sandy	19	23
	Clay, sandy, brown with some red, abundantly limonitic, plus occasional fragments of residual leached limestone	21	44
	Limestone, leached, sandy, fossiliferous. <u>Opere. mariannensis, Discocyclus sp., Gyp. globula</u>	15	59
	No Samples	11	70
	Limestone, leached, sandy, fossiliferous. <u>Opere. mariannensis, Discocyclus sp., Gyp. globula. Cam. of vanderstoki</u>	22	92
	Marl, gray, with considerable dense, micaceous sandy limestone; also gray, sandy, coarsely-clauconitic shell-bearing limestone (latter, a. coquina). <u>Cib. westi, Cib. mauricensis, Siph. claibornensis</u>	12	104
	Sand, fine to coarse-grained, dense, indurated, sparsely-phosphatic (or sandstone)	21	125
	Sand, fine to coarse-grained, dense, indurated, sparsely-phosphatic (or sandstone) plus some gray, sandy clay	41	166
	Sand, fine to medium-grained. <u>Asteris listonensis</u>	20	186
	Sand, shell-bearing or coquina, fine to coarse-grained, indurated	30	216
	Sand, phosphatic, fine to coarse-grained	30	246

UNITED STATES  
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WATER RESOURCES DIVISION

No. GGS 437

OTHER Nos. Farmers Gin &  
warehouse #1

WELL LOG

State Georgia County Early Subarea

Owner Farmers Gin & Warehouse Co.

Location 7 miles South of Blakely

Drilled by Payne-Atlantic Address

Start: May 1955

Date Comp: June 25, 1955 Casing diam. 10 inches Land-surf. alt. 173 feet

Source of data well cuttings

(Enter type of well, perforations, yield, and drawdown at end of log)

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	Sand, mostly fine to coarse-grained with frequent fragments of gray, indurated (limy) sand (or sandy limestone) and gray, indurated fissile clay	114	334
	Sand, fine to coarse-grained plus occasional fragments of indurated, fissile clay, latter as in above samples	241	1125
	<u>Summary:</u>		
	<u>Formation:</u>		
	In Midway, Undifferentiated - 770 to 1016 feet		
	Upper Cretaceous - 1016 feet to 1125 feet +		
	<u>Possible Water-bearing Horizons:</u>		
	Sand, fine to coarse-grained - 372 to 1016 feet		



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION

No. 005 437

OTHER Nos. Farmers Gin & Warehouse Co. #1

WELL LOG

State Georgia County Early Subarea \_\_\_\_\_

Owner Farmers Gin & Warehouse Co.

Location 7 miles south of Blakely

Drilled by Layne-Atlantic Address \_\_\_\_\_

Start: May 1955

Date Comp: June 25, 1955 Casing diam. 10 inches Land-surf. alt. 178 feet

Source of data well cuttings

(Enter type of well, perforations, yield, and drawdown at end of log)

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	Sand, phosphatic, fine to coarse-grained plus some dark-gray, micaceous clay	22	203
	Sand, phosphatic, fine to coarse-grained	36	304
	Sand, phosphatic, fine to coarse-grained plus abundant fragments of sandy limestone carrying molds and casts of macro-shells, particularly gastropods, and occasional fragments of dark-gray, micaceous, carbonaceous clay; black, polished phosphatic pebbles, prominent	20	330
	Sand, fine to medium-grained, abundantly glauconitic and with frequent fragments of dark-gray, micaceous, glauconitic clay, and scattered fragments of sandy limestone, latter as in above sample	20	350
	Sand, fine to medium-grained, abundantly glauconitic and with frequent fragments of dark-gray, micaceous, glauconitic clay, and scattered fragments of sandy limestone, latter as in above sample, plus frequent fragments of sandy, abundantly-glauconitic, shell-bearing limestone, or indurated sand, coquina	21	371
	Clay, glauconitic, dark-gray, micaceous, carbonaceous, with occasional fragments of coarsely-glauconitic, sandy limestone, latter as in above sample	20	391
	Clay, glauconitic, dark-gray, carbonaceous, micaceous	144	535
	Clay, glauconitic, dark-gray, carbonaceous, micaceous, plus strong increase in fine to coarse-grained sand	12	547

RECORD BY D. M. Barrick DATE \_\_\_\_\_

SHEET 1 OF 4

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION

No. GGS 437

OTHER NOS. Farmers Gin &  
Warehouse Co. #1

WELL LOG

State Georgia County Early Subarea

Owner Farmers Gin & Warehouse Co.

Location 7 miles south of Blakely

Drilled by Layne-Atlantic Address

Start: May 1955

Date Comp: June 25, 1955 Casing diam. 10 inches Land-surf. alt. 173 feet

Source of data well cuttings

(Enter type of well, perforations, yield, and drawdown at end of log)

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	Sand, chiefly fine to coarse-grained with scattered fragments of sandy, glauconitic, shell-bearing limestone or indurated sand - sandstone	29	570
	Sand, chiefly fine to coarse-grained with scattered fragments of sandy, glauconitic, shell-bearing limestone or indurated sand, sandstone, plus frequent fragments of indurated, fine to medium-grained sand	20	590
	Sand, predominantly fine-grained, indurated with appreciable amount of gray marl	21	617
	Marl, gray, interbedded with thin stringers of indurated, fine-grained sand <u>Discocyclus stephensoni</u> 617 feet to 627 feet	21	638
	Sand, fossiliferous, chiefly indurated, fine-grained, with some gray marl, latter as in above samples. Operc. georgianus, abundant	25	663
	Limestone, fossiliferous, sandy, <u>Operc. georgianus</u> , abundant	16	679
	Limestone, crystalline, dense, gray	21	700
	Limestone, crystalline, dense, gray but much sandier than above sample	41	741
	Limestone, crystalline, dense, gray but much sandier than above sample, plus frequent fragments of dense, gray, sandy limestone and fragments of fine-grained, indurated sand or sandstone	20	761
	Sand (sandstone), predominantly gray, indurated (limy), fine-grained with scattered		

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Owner Farmers Gin & Warehouse Co.

Location 7 miles south of Blakely

Drilled by Layne-Atlantic Address

Start: May 1955

Date Comp: June 25, 1955 Casing diam. 10 inches Land-surf. alt. 173 feet

Source of data well cuttings

(Enter type of well, perforations, yield, and drawdown at end of log)

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	fragments of dense, gray, sandy limestone	9	770
	<u>Summary:</u>		
	<u>Formation:</u>		
	Residuum - 0 to 800 feet		
	Ocala (Upper Eocene) (19')		
	65 feet to 85 feet		
	Claiborne (Middle Eocene) (125')		
	35 feet to 210 feet		
	Wilcox, Undifferentiated (Lower Eocene) (436')		
	210 feet to 240 feet		
	Tusahoma (146') 210 feet to 304 feet		
	Manafalia (290') 304 feet to 640 feet		
	Paleocene (Midway) (124')		
	640 feet to 770 feet		
	<u>Possible water bearing horizons</u>		
	Fine to coarse-grained sands, at depths		
	103 - 128, 164 - 356, and 643 - 640		
	Limestone - 640 feet to 713 feet		
	<u>Remarks:</u>		
	Main limestone of the Midway lies 100 -		
	130 (top of) below above total depth of 770		
	feet, as indicated by log of Mont warren'		
	I. A. C. Chandler, Early Co.		

100 437  
 Early Co.  
 Lyme-Athletic  
 1 Farmers Bin & Warehouse  
 Elev. 178'  
 Logged by J.M.

Depth  
 in Feet:

Description:

Mostly fine to coarse-grained sand with frequent fragments of gray, indurated (limy) sand (or sandy limestone), and gray, indurated, siliceous clay	770 - 801
Fine to coarse-grained sand plus occasional fragments of indurated, siliceous clay, latter as in above samples	801 - 1125

Summary:

Formation:

In Highway, Undifferentiated	770 - 1016
Upper Crinoids	1016 - 1125+

Possible Water-Bearing Horizons:

Fine to coarse-grained sand	770 - 1016
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UNPUBLISHED RECORDS  
 SUBJECT TO REVISION

	Thickness (feet)	Depth (feet)
Limestone: gray to light-brown, massive, very sandy, glauconitic, phosphatic, fossiliferous, carrying frequent macro-shells (a coquina) and some bryozoan remains -----	21	207
Sand: fine to coarse-grained, subangular grains, phosphatic -----	95	302
Clay: yellowish-green, becoming progressively indurated with increased depth (a claystone at depth), very sandy, phosphatic, fossiliferous, carrying fragments, casts and molds (particularly molds of gastropods) ----	23	325

LOWER Eocene:

WILCOX (UNDIFFERENTIATED):

Sand: fine to medium-grained, subangular grains, somewhat indurated at certain levels, abundantly glauconitic, fossiliferous, carrying macro-shells -----	17	344
Limestone: gray, coarsely glauconitic, sandy, fossiliferous, carrying macro-shells -----	12	356
Marl: dark-gray, sandy, carbonaceous, micaceous, pyritiferous, fossiliferous, carrying foraminifera at certain levels -----	132	548
<p><u>Robulus sp.</u>, <u>Marginulina sp.</u>, <u>Eponides dorfi</u>,  <u>Discorbis sp.</u>, <u>Valvulineria strobiculata</u>, <u>Cibicides howelli</u>, <u>Anomalina sp.</u> at 356 - 371'.</p>		
Sand: fine to coarse-grained, subangular grains, glauconitic, carrying scattered grains of pale-tinted quartz -----	24	572

PALEOCENE:

MIDWAY GROUP:

CLAYTON FORMATION:

Sand: fine to medium-grained, somewhat indurated at certain levels, fossiliferous at depth, carrying macro-shells, echinoid and bryozoan remains, Ostracoda, and foraminifera -----	45	613
<p><u>Melosaria affinis</u>, <u>Robulus midwayensis</u>, <u>Eponides latus</u>, <u>Cuttulina sp.</u> at 596 - 617'.</p>		
Indurated sand: as above, interbedded with occasional scattered tongues of clay; gray, silty, carbonaceous, micaceous -----	45	653
<p><u>Pseudophragmina stephensoni</u> at 617 - 627'.  <u>Operculinoides catenula</u> common at 638 - 663'.</p>		
Limestone: light-gray, rather dense, sandy, becoming progressively sandier with increased depth, fossiliferous, carrying macro-shells, bryozoan remains, and some foraminifera -----	71	724

	Thickness (feet)	Depth (feet)
Indurated sand: gray, fine-grained, subangular grains, glauconitic (finely disseminated grains) -----	30	714
Sand: fine to coarse-grained, subangular grains, interbedded with rather frequent, thin stringers (clay partings) of clay; light-gray, silty, somewhat indurated, fissile, and some indurated sand; as above -----	150	872

UPPER CRETACEOUS (?)(UNDIFFERENTIATED):

Sand: fine to coarse-grained, subangular grains, interbedded with rather frequent thin stringers of clay; gray, chalky, micaceous -----	102	974
Indurated sand: fine to coarse-grained, subangular grains, fossiliferous, carrying macroshells (a coquina) -----	42	1,016
Sand: fine to coarse-grained, subangular grains, interbedded with frequent thin stringers (clay partings) of clay; as above -----	13	1,029

DEFINITE UPPER CRETACEOUS (UNDIFFERENTIATED):

Sand: fine to coarse-grained, subangular grains, interbedded with thin stringers of marl; gray, chalky, micaceous, fossiliferous, carrying some foraminifera - <u>Guembelina sp., Globotruncana cretacea</u> at 1,029 - 1,049' -----	91	1,120
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SUMMARY:

Residuum -----	44	44
Upper Eocene (Ocala Limestone) -----	48	92
Middle Eocene (Lisbon formation) -----	70	162
Middle Eocene (Tallahatta formation) -----	163	325
Lower Eocene (Wilcox, undifferentiated) -----	247	572
Paleocene (Clayton Limestone) -----	300	872
Upper Cretaceous (?)(undifferentiated) -----	157	1,029
Definite Upper Cretaceous (undifferentiated) -----	91	1,120+

POTENTIAL WATER-BEARING ZONES:

Sand: fine to coarse-grained -----	95	302
Sand: fine to coarse-grained -----	24	572
Limestone -----	40	634
Sand: fine to coarse-grained -----	42	1,016

J  
7X1

Location: 7 mi. Southeast of Blakely, West side of  
Hwy. 27, at dwelling, Early County  
Owner: No. 1 Farmers Gin & Warehouse Company  
Driller: Layne-Atlantic Company  
Drilled: June, 1955  
Logged by: S. M. Herrick

Well No.: OGS 437  
Elev.: 178'

Thickness (feet)	Depth (feet)
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RESIDUUM:

Sand: tan, argillaceous, fine to coarse-grained, subangular grains, limonitic -----	4	4
Clay: gray to pink (mottled), very sandy, limonitic ---	19	23
Clay: gray to tan to dark-brown, with red streaks (somewhat mottled), very sandy, abundantly limonitic, and scattered fragments of residual limestone -----	21	44

UPPER EOCENE:

JACKSON GROUP:

OCALA LIMESTONE:

Limestone: yellow, somewhat nodular, calcitized, becoming increasingly calcitized and crystalline with increased depth, fossiliferous, carrying macro-shells, bryozoan remains, and some foraminifera- <u>Operculina mariannensis, Asterocyclina sp.,</u> <u>Gypsinia globula at 44-50'</u> <u>Camerina stictoreticulata at 70-92'</u>	48	92
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MIDDLE EOCENE:

CLAIBORNE GROUP:

LISBON FORMATION:

Limestone: dark-gray, dense and crystalline, very sandy, coarsely glauconitic, fossiliferous, carrying macro-shells, bryozoan remains, and foraminifera, dolomitic limestone; light-brown, saccharoidal, carbonaceous, and some marl; gray, silty, fossilif- erous, carrying some foraminifera -----	16	108
<u>Siphonina claibornensis, Cibicides westi at 82-108'</u>		
Sand: somewhat indurated and dense, fine to coarse- grained, subangular grains, phosphatic -----	32	140
Clay: dark-green, sandy, fossiliferous, carrying macro-shells, bryozoan remains, and foraminifera ----	22	162

TALAHATTA FORMATION:

Sand: fine to medium-grained, subangular grains, phosphatic -----	17	179
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