

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

No. GGS 408

OTHER Nos. City Montezuma #3

WELL LOG

State Georgia County Macon Subarea

Owner City of Montezuma

Location East side highway 49, south side Beaver Creek, at power plant
in city. (See County map)

Drilled by Layne-Atlantic Address

Start: Dec. 1954

Date Comp: Jan. 1955 Casing diam. Land-surf. alt. 293 (LSD)

Source of data Well cuttings

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

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	Sand, fine to coarse-grained, ochre-colored, somewhat argillaceous	7	7
	Clay, somewhat indurated, tough, gray-colored	9	16
	Limestone, shell-bearing, dense, sandy, gray-colored	13	34
	Sand, medium to coarse-grained, angular, carrying scattered grains of "rose Quartz"	13	52
	Clay, fossiliferous, micaceous, dark-gray to black, lignitic, pyritiferous	12	64
	Sand, fine to coarse-grained, angular, pyritiferous	62	126
	Sand, coarse-grained, angular, arkosic	28	154
	Sand, fine to medium-grained, glauconitic, arkosic	28	182
	Clay, phosphatic, dark-gray-colored, sandy, micaceous, pyritiferous	11	193
	Sand, fine to medium-grained, with frequent fragments of dense, gray-colored, very sandy limestone and occasional fragments of macroshells	20	213
	Clay, gray-colored, micaceous, pyritiferous, fossiliferous. <u>Anoml. clementiana</u>	30	243
	Clay, gray-colored, micaceous, pyritiferous, fossiliferous. <u>Anoml. clementiana</u> , but sandier than above sample and phosphatic	31	274
	Limestone, pyritiferous, dense, gray-colored, sandy, shell-bearing, phosphatic, or indurated sand	4	278

RECORD BY S. M. Herrick DATE

SHEET 1 OF 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

No. GGS 408 (Cont'd)

OTHER Nos. _____

WELL LOG

State _____ County _____ Subarea _____

Owner _____

Location _____

Drilled by _____ Address _____

Date _____ Casing diam. _____ Land-surf. alt. _____

Source of data _____

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

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	Clay, phosphatic, gray-colored, sandy, mica- ceous, with scattered fragments of dense, sandy limestone, latter as in above sample	31	309
	Clay, phosphatic, gray-colored, sandy, micaceous	21	330
	No Samples	6	336
	Sand, fine to medium-grained	11	347
	Sand, fine to coarse-grained, with some gray- colored clay	8	355
	Sand, coarse-grained, angular, arkosic	35	390
	Sand, coarser-grained than above, angular, arkosic	17	407
	Sand, fine to medium-grained with some dark- gray-colored clay	15	422
	Sand, angular, fine to coarse-grained	8	430
	Clay, chiefly dark-brown-colored, lignitic, rather highly micaceous, somewhat fissile, brittle, and some fine to coarse-grained sand	5	435
	Sand, fine to coarse-grained	22	457
	Clay, chiefly dark-brown-colored, lignitic rather highly micaceous, somewhat fissile, brittle, and some fine to coarse-grained sand	6	463
	Sand, fine to coarse-grained, arkosic, with some clay	21	484

RECORD BY S. M. Herrick DATE _____ SHEET 2 OF 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

No. GGS 408 (Cont'd)

OTHER NOS. _____

WELL LOG

State _____ County _____ Subarea _____

Owner _____

Location _____

Drilled by _____ Address _____

Date _____ Casing diam. _____ Land-surf. alt. _____

Source of data _____

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

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	Clay, lignitic, predominantly dark-brown-colored, highly micaceous, with some fine to coarse-grained sand	6	490
	Sand, fine to coarse-grained, arkosic, with some clay	10	500
	Sand, angular, fine to coarse-grained	5	505
	Clay, mostly dark-brown-colored, lignitic, very micaceous, fissile, splintery, with some fine to coarse-grained sand as in sample 484 - 490	9	514
	Clay, fissile, dark-brown-colored, lignitic, pyritiferous, silty, very micaceous	Bit	514
	<u>Summary:</u>		
	<u>Formation:</u>		
	Fill (artificial) - 0 to 16 feet		
	Undifferentiated Midway - 16 to 48 feet		
	Undifferentiated Upper Cretaceous - 48 to 514 feet (†)		
	Undifferentiated Providence -		
	Ripley-Cussets - 48 to 403 feet		
	Probable Blufftown - 403 to 514 feet (†)		
	<u>Possible Water-Bearing Horizons:</u>		
	Fine to coarse-grained sand at depths 56 - 66, 80 - 90, 100 - 120, 338 - 348, 354 - 402, 432 - 450, and 460 - 470 feet		

RECORD BY S. M. Herrick DATE _____ SHEET 3 OF 3