

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

665408
(135010)

No. 605 403

OTHER Nos. City Montezuma

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 (MSD)

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	29
	Sand, medium to coarse-grained, angular, carrying scattered grains of "rose quartz"	13	42
	Clay, fossiliferous, micaceous, dark-gray to black, lignitic, pyritiferous	12	54
	Sand, fine to coarse-grained, angular, pyritiferous	62	116
	Sand, coarse-grained, angular, arkosic	23	139
	Sand, fine to medium-grained, glauconitic, arkosic	23	162
	Clay, phosphatic, dark-gray-colored, sandy, micaceous, pyritiferous	11	173
	Sand, fine to medium-grained, with frequent fragments of dense, gray-colored, very sandy limestone and occasional fragments of macroshells	20	193
	Clay, gray-colored, micaceous, pyritiferous, fossiliferous. <u>anoml. clementiana</u>	30	223
	Clay, gray-colored, micaceous, pyritiferous, fossiliferous. <u>anoml. clementiana</u> , but sandier than above sample and phosphatic	31	254
	Limestone, pyritiferous, dense, gray-colored, sandy, shell-bearing, phosphatic, or indurated sand	4	257

RECORD BY D. M. Herrick DATE

SHEET 1 OF

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

No. GGS 403 (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, micaceous, with scattered fragments of dense, sandy limestone, latter as in above sample	31	303
	Clay, phosphatic, gray-colored, sandy, micaceous	21	330
	No samples	0	330
	Sand, fine to medium-grained	11	347
	Sand, fine to coarse-grained, with some gray-colored clay	3	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	3	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	0	463
	Sand, fine to coarse-grained, arkosic, with some clay	21	484

RECORD BY G. M. Herrick DATE

SHEET 2 OF 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

No. GGS 403 (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 434 - 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-Jussets - 48 to 403 feet			
Probable Blufftown - 403 to 514 feet (±)			
<u>Possible water-bearing horizons:</u>			
Fine to coarse-grained sand at depths 50 - 66, 80 - 90, 100 - 120, 333 - 343, 354 - 402, 432 - 450, and 460 - 470 feet			

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

408
 Green Co.
 Layne-11-11-11
 # 3 City of Montezuma
 Elev.:
 Logged by Sam

UNPUBLISHED RECORDS
 SUBJECT TO REVISION

Description:

Depth
 in feet:

Coarse-colored, somewhat argillaceous, fine to coarse-grained sand -----	0 - 7
Tough, gray-colored, somewhat indurated, clay -----	7 - 16
Dense, gray-colored, sandy, shell-bearing limestone --	16 - 34
Medium to coarse-grained, angular sand carrying scattered grains of "rose Quartz" -----	34 - 38
Dark-gray to black, lignitic, pyritiferous, micaceous, fossiliferous clay -----	38 - 64
Angular, pyritiferous, fine to coarse-grained sand --	64 - 126
Angular, arkosic, coarse-grained sand -----	126 - 151
Glaucous, arkosic, fine to medium-grained sand ---	151 - 182
Dark-gray-colored, sandy, micaceous, pyritiferous, micaceous clay -----	182 - 190
Fine to medium-grained sand with frequent fragments of dense, gray-colored, very sandy limestone and occasional fragments of micro-shells -----	190 - 213
Gray-colored, micaceous, pyritiferous, fossiliferous clay. <u>Amal. clementina</u> -----	213 - 240
Do., but denser than above sample and micaceous --	240 - 274
Dense, gray-colored, sandy, shell-bearing, phos- phatic, pyritiferous limestone (or indurated sand) --	274 - 312
Gray-colored, sandy, micaceous, phos- phatic clay with scattered fragments of dense, sandy limestone, latter as in above sample -----	312 - 327
Gray-colored, sandy, micaceous, phos- phatic clay -----	327 - 350
Do. Sample -----	350 - 350
Fine to medium-grained sand -----	350 - 377
Fine to coarse-grained sand with some fine-grained sand -----	377 - 380
Coarse-grained, angular, arkosic sand -----	380 - 387
Do., but coarser-grained than above -----	387 - 407
Fine to medium-grained sand with some dark-gray-colored clay -----	407 - 422
Angular, fine to coarse-grained sand -----	422 - 429
Chiefly dark-brown-colored, lignitic, rather slightly micaceous, somewhat fissile, brittle clay with some fine to coarse-grained sand -----	429 - 435
Fine to coarse-grained sand -----	435 - 457
Do. as 430 - 435 -----	457 - 466
Fine to coarse-grained, arkosic sand with some clay --	466 - 484
Chiefly dark-brown-colored, slightly micaceous, lignitic clay with some fine to coarse-grained sand -----	484 - 490
Same as 466 - 484 -----	490 - 500
Angular, fine to coarse-grained sand -----	500 - 500
Chiefly dark-brown-colored, lignitic, very micaceous, fissile, collinary clay with some fine to coarse-grained sand as in sample, 484 - 490 -----	500 - 514
Dark-brown-colored, lignitic, pyritiferous, silty, micaceous clay -----	514 - 514

Depth
in Feet:

Summary:

Formation:

Fill (artificial) -----	0 - 16
Undifferentiated Midway -----	16 - 48
" Upper Cretaceous -----	48 - 314 (E)
" Providence-Ridley-Cassata -----	48 - 403
Probable Blufftown -----	403 - 514 (E)

Possible Water-Bearing Horizons:

Fine to coarse-grained sand at depths, 50 - 68, 80 - 90, 100 - 120, 338 - 348, 354 - 402, 432 - 450, and 460 - 470

UNPUBLISHED RECORDS
SUBJECT TO REVISION

