

HT-P-1-72
NCGS

84

NC-HE-T-13
USGS

(P.1)

- 0-10 Clay, tan, red & wh., micaceous. About 35% F-C wh, yellowed stained SA dtz sd. Tr. of wh. feldspar blk. hvy unrec'd. A few lg. frag. of dtz w. amphibole or pyroxene inclusions
- 10-20 Do, tr. of hem. & sid.
- 20-30 Shell hash, wh gray & tan. About 35 percent white, F & gravel sized A SA dtz. Broken shell mat'l colored bone white to dk gray. Tr. of pyr. marc. glauc. feldspar, dolomite, phosphate, rose dtz., hematite and sid.
- 30-40 Do, but w/ abt. 25 percent tan clay.
- 40-50 Do, w/ clay abt. 15 percent.
- 50-60 Marl, greenish-gray 5G⁶/1, About 15 percent wh F-M dtz sd. About 33 percent thin wh to tan sh fragments and dwarf shells. Tr. of phos. glauc. hem & sid; ^{taxodont} shell teeth
^
- 60-70 Do
- 70-80 Do
- 80-90 Do
- 90-100 Do, increased amount of sd.
- 100-110 Do
- 110-120 Do n (gray granitic or quartzitic fragments contain many of these inclusions)
- 120-130 Do
- 130-140 Do
- 140-150 Clay, gray to tan, non-calcareous. Composition much the same as above, but shell fragment abt. 12 percent.
- 150-160 Do
- 160-170 Do
- 170-180 Do, but increase in red stain on qty. Sid & hem fairly common. Sh. frag. hem decreased to 5 percent. - may be calcareous

- 180-190 Loose Sand and gravel, tan, white and red c to pebble size dtz. About 15 percent red, gray and wh. cl. Tr. of pyr. marc. calc. & feld. Hem. common; tr. of sid.
- 190-200 Do
- 200-210 Do, mica common
- 210-220 Sand, fgr. to gravel, wh to gray w/ some scattered tan & red gr. About 5 percent wh & gray cl. Tr. of limonite, pyrite & hematite. Mica common. Sd very poorly sorted
- 220-230 Do. pyrite in lg aggregates, common; tr. phos & feld.
- 230-240 Do - pebbles (qtz) 5-8mm, common. Tr. sid. Pyrite common
- 240-250 Do
- 250-260 Do
- 260-270 Do. Sd is M-VC, w/ the pebbles and pyrite is M-C granitic aggregate.
- 270-280 Do, glauc. facies common. Ortho & Plagioc. feld. rare to common.
- 280-290 Sand, clear to tanish gray, M-C, A-SA feldspathic dtz. About 5% tan silt & clay. Tr. of glauc. phos. hem. sid. lim & mica. Sand fairly well sorted.
- 290-300 Do. S. M-VC w tr. of pebble phos. hem. pyr. & sid.
- 300-310 Do. Phos with M-C grains
- 310-320 Do
- 320-330 Sand + gravel, wh. to gray (N6-N7) C-granule, SR, polished dtz, feldspathic. Black mica & rutile micaceous in some dtz gr. Sand is well sorted. About 5% silt.
- 330-340 Sand, wh to clear, M-granule size SR feldspathic dtz sd. - poorly sorted. About 5% silt. Tr. of red dtz, pyr. & hem.
- 340-350 Do, tr. of glauc. pyr. sid, rose dtz, heavy mica & mica
- 350-360 Do
- 360-370 Do - tr. of botryoidal siderite - X_{1/2} red frag as has been all thru samples. Tr. of phos & rose dtz.

- 370-380 Do. w/o silt. siderite nodules, hematite + lim. much common.
- 380-390 As 360-70, but limonite, hem. + sid abundant.
- 390-400 Do, but silt about 3 percent.
- 400-410 Do, but about 10 percent gray (N6) to H tan clay + silt.
- 410-420 Sand, wh to clear, ^{clean} M-VC, ftz; about 5 percent feld. - fairly well sorted. Tr of pyr. lim. sid. hem. mica, glauc. + phos + rose ftz.
- 420-430 Do, but silty and not as well sorted; sid + hem more common.
- 430-440 Do, but w/ less hem + sid.
- 440-450 Sand, white to clear, silty, M-VC ftz., feldspathic. Tr of siderite nodules, lim. hematite, mica, phos + pyr.
- 450-460 Do
- 460-470 Do, w. dr of rose ftz.
- 470-480 Do w/o " "
- 480-490 Do. tr of glauc. - slight inc in Fe min.
- 490-500 Do - w/ rose ftz
- 500-510 Do
- 510-520 Do, but only tr. of sid + hem.
- 520-530 Do, inc. in feldspar, no nodular siderite
- 530-540 Do w/o phos + glauc. + mica
- 540-550 Do
- 550-560 Do
- 560-570 Do w/ muscovite + chlorite
- 570-580 Do, tr of nodular sid. hem. lim. + X'lm + frag
- 580-590 Do, but gtz + feld. grains are now ab. 25 percent gravel. Feld. central approaches coarse. No mica. Tr. sh. frag.
- 590-600 Do. Tr. mica. Sd + gravel grain still show some degree of roundness
- 600(?) - 610(?) Clay, red, white + gray, micaceous. About 15 percent gravel, F-VC, A-SR, 40% of which is composed of hematite. Grains are predominantly ftz w/ a few feldspar. Tr. of pyr. lim. IX the sample represents Saprolite, it contains some transported material.

Hertford Co., N. C.

NC-14E-T-13

HT-P-1-72
NCGS

Drillers log Murfreesboro

7-7-72

- 0-20 Red clay
- 20-90 Blue clay, sand and shell
- 90-120 Medium sand shell
- 120-160 Shell red clay sand gravel
- 160-170 Large sand and gravel
- 170-190 Large sand gravel little red clay
- 190-230 Large sand and gravel
- 230-260 Large gravel and sand
- 260-290 Large sand and gravel
- 290-360 Coarse sand
- 360-380 Medium mix sand
- 380-390 Fine sand blue clay
- 390-410 Blue clay
- 410-430 Medium sand
- 430-470 Large sand gravel
- 470-500 Large sand and gravel
- 500-520 Medium to fine sand
- 520-560 Large white sand gravel
- 560-590 Large white and brown sand + gravel

To get to well:
Turn left (SE) from US 258
^{on SW end of town}
onto Spring Ave. Go SE on
Spring Ave 1.1 miles and turn
left onto N.C. Hwy 1183. Go
0.3 mi on 1183 to well site,
which is in middle of clearing just
south of residential area.

392 feet of 20" surface pipe
TD about 610
Going to put in 8" pipe + screen

W. T. Liverman
Supt. of Public Works.

TOWN OF WIRELESSBORO

North Carolina

Pumping Test July 26, 1972

Well No. 4

ALT 100 ft⁺
FROM 50' CONTOUR MAP

<u>TIME</u>	<u>GPM</u>	<u>PUMPING LEVEL</u>
8:30	0	128' 9" Static Level
8:31	1043	166' 1"
8:32	1012	171' 9"
8:33	1012	175' 4"
8:34	1012	177' 2"
8:35	1022	178' 10"
8:36	1022	180' 6"
8:37	1022	181' 5"
8:38	1022	182' 5"
8:39	1012	182' 9"
8:40	1023	183' 8"
8:42	1023	184' 8"
8:45	1033	186' 0"
8:50	1012-1033	187' 5"
8:55	1012-1033	188' 6"
9:00	1012	189' 2"
9:15	1012-1033	192' 4"
9:30	1001-1022	193' 11"
9:45	1012-1033	195' 10"
10:00	1012-1022	196' 3"
10:15	1012-1033	198' 6"
10:30	1012-1033	198' 11"
11:00	1012-1033	198' 11"
11:30	1001-1012	199' 4"
12:00	1012-1033	200' 10"
12:30	1012-1022	201' 4"
1:30	1012-1022	202' 1"
2:30	1012-1022	202' 8"
3:30	1012-1032	202' 11"
4:30	1012-1032	203' 5"

- 29 ft MSL

202' 17"
- 128' 9"

74' 8"

RECOVERY

4:31	150' 0"
4:32	157' 0"
4:33	155' 4"
4:34	155' 0"
4:35	153' 9"
4:36	152' 9"
4:37	151' 7"
4:38	151' 2"
4:39	150' 7"
4:40	150' 0"
4:42	149' 6"
4:45	148' 9"
4:50	147' 6"
4:55	145' 9"
5:00	144' 7"

USGS - VA 50

(3)

MURFREESBORO TOWN WELL

~~USGS - VA 5~~ LAYNE - ATLANTIC 1972

MURFREESBORO, NC.

0-10	270 - 280	530 - 540
10-20	280 - 290	540 - 550
20-30	290 - 300	550 - 560
30-40	300 - 310	560 - 570
40-50	310 - 320	570 - 580
50-60	320 - 330	580 - 590
60-70	330 - 340	590 - 600
70-80	340 - 350	600? - 610? <small>BOTTOM BIT SAMPLE</small>
80-90	350 - 360	
90-100	360 - 370	
100-110	370 - 380	
110-120	380 - 390	
120-130	390 - 400	
130-140	400 - 410	
140-150	410 - 420	
150-160	420 - 430	
160-170	430 - 440	
170-180	440 - 450	
180-190	450 - 460	
190-200	460 - 470	
200-210	470 - 480	
210-220	480 - 490	
220-230	490 - 500	
230-240	500 - 510	
240-250	510 - 520	
250-260	520 - 530	
260-270		
270-280		

29

23

HT-T-1-72

Large angular fragments of what appear to be gty biotite granite first appear in the 120/130 sample and carry fairly continuously in sparse amounts to TD. Examining true data, the ^{only} reasonable conclusion with regard to this material is that it is lithic fragments within the Cretaceous sediments even though it is so angular, coarse, and fresh. Otherwise it would have to be contamination from the drill site.

Due to the confusion created by this material and to the lack of any other indications in the samples or on the logs no call is made for this hole.

Probably poor samples - stay with no call -

Bull 95 review

9/7/94

MURFREESBORO
7.5'

(PRESUMED
LOCATION)

HT-172

