Microscopic description

7/6/83
RVS

SC-A-5-83

Ditch Samples

0-4 Sst: mod yelsh brn (10YR 5/4); m-cse gr, sbang qtz; w/ mnr Fe stn & cl

4-9 cly Sst: lt brn (5YR 5/6); cse gr, sbang, poorly srt qtz; w/ com Fe stn & feld.

9-14 Sst: gry or pk (5YR 7/2); m-cse gr, sbrnd, mod srt qtz; w/mnr cl & Fe stn

14-19 Sst: mod or pk (10YR 7/4); m-cse gr, sbrnd mod srt qtz; w/mnr Fe stn, cl, & sm mic

19-24 aa w/ mic cl

24-29 Sst: pale red (5R 6/2); m gr, sbang, poorly srt qtz; w/ com cl & f gr qtz, mnr mic

29-39 No Sample

39-44 Sst: gryish pk (5R 8/2); cse gr, sbang, mod srt qtz; w/ abd sm translucent mic

44-49 aa

7/6/83 RUS

49-54 No Sample

54-59 aa w/ v mm lig frags

59-64 aa, "

64-69 aa, w/ fn gr qtz ⅕ mic mic

69-74 aa, w/ mic feld

74-79 aa

79-84 aa

84-89 aa

89-94 aa

94-99 aa

99-104 aa

Light Samples

64-69 Cl: pale yelsh brn (10YR 6/2) w/ com mic, Fe aggr., ⅕ qtz gr.

84-89 aa w/ yelsh gry streaks

98-99 aa

Interval	Drilling Remarks	Description: Circulated Returns	Sample	Circulation Remarks	Description: Flight Returns	Sample
0-4	Easy - 30 sec	Brnish Org. Sd (med gr)	✓	Dry - mnr		
4-9	aa	Pinkish Brn clay sd	✓	aa		
9-14	aa	aa	✓	aa		
14-19	aa	Pink cse Sd	✓	Moist		
19-24	aa	Gry Pink cse sd w/mnr cl	✓	aa		
24-29	aa	Brn sd (dry) followed by Lt gry clay sd (moist)	✓	aa		
29-34	aa	No Sample Return		—		
34-39	aa	aa		—		
39-44	aa	Lt gry clay sd w/ pinkish cl also		Water table at 39' Soupy - abd		
44-49	aa	Lt gry cse sd		Soupy - abd		
49-54	aa	No Sample Return		—		
54-59	aa	Lt gry m-cse sd		Soupy - mod		
59-64	aa	aa		aa		
64-69	aa	aa		aa	Chocolate Brn Cl w/ qtz	X
69-74	aa	Lt gry cse sd		aa	↓	
74-79	aa	aa		aa		
79-84	aa	aa		aa		
84-89	aa	aa		aa		
89-94	aa	aa		aa		
94-99	aa	aa		aa		
99-104	aa	aa		aa	Choc. Brn Cl. w/ qtz	X

Well: SC-A-5-B3 Spud: 1:30 pm Cement: 1/2 bag Elev.: 255 ft

Date: 6/29/83 Plug: 4:00 pm Sand: 1/4 trailer T.D.: 104 ft

North Carolina Department of Natural Resources & Community Development

James B. Hunt, Jr., Governor

Joseph W. Grimsley, Secretary

DIVISION OF LAND RESOURCES

Stephen G. Conrad, Director

Telephone 919 733-3833

Dear Mr Jones :

The North Carolina Geological Survey Section, Department of Natural Resources and Community Development is drilling a number of shallow auger holes in order to gather information about geologic structure and rock type. This information will be used to construct a new State Geologic Map. One or more desirable sites for auger holes are located either within the highway easement across your property or on your property as indicated on the attached sketch map.

Geological Survey personnel would be drilling 6-inch diameter auger holes not more than 105 feet deep with a truck mounted auger rig and accompanying service truck. In some instances geophyical equipment would be lowered down the hole to gather part of the necessary information. When finished all equipment, material, and structures will be removed, cuttings scattered, and the holes permanently plugged in accordance with state regulations. All work will take from less than one day to not more than one or two days, depending on how many holes we are requesting to drill on your right-of-way or your property.

Please indicate your permission for us to do this work by signing and returning this letter to us.

Respectfully,

Richard V. Smith
Driller-in-Charge

Land Owner (or)
Person in charge of the land

7-6-83
Date

SC-A-5-83 drilled 6/29/83
SC-A-6-83 drilled 6/30/83

Geological Survey—733-2423; Geodetic Survey—733-3836; Land Quality—733-4574; Earth Resources Planning—733-3833;
Land Resources Information Service—733-2090 Box 27687 Raleigh NC 27611—7687