

Johnston County

J04-A-5-83



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 J.E. Denning :

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 geophysical 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,

Rebecca M. Enos
Driller-in-Charge

Mr. Joseph E. Denning
Land Owner (or)
Person in charge of the land

23 June 1983
Date

INTE	DRILLING REMARKS	DESCRIPTION: CIRCULATED RETURNS	Sample	CIRCULATION REMARKS	DESCRIPTION: FLIGHT RETURNS	Sample
0-4	easy <30 sec	yellowish tan sand with lumps	X			
4-9	easy 50 sec	yellowish tan? yellow micaceous sand & silt	X			
9-14	easy 25 sec	aa	X	moist		
14-19	aa	color change yellow brown	X	aa		
19-24	aa	aa	X	very moist		
24-29	aa	aa lighter yellow brown	X	aa		
29-34	aa	aa shell frags? color change slightly yellowish green	X	aa		
34-39	aa 45 sec 1:11:10 harder	aa green shell frags?	X	aa		
39-44	aa	aa shell frags <u>definitely</u>	X	aa	GREENISH-GREY MUSHY CLAY,	X
44-49	easy 30 sec	spin no return		aa	SAME AS BELOW	X
49-54	aa 3 sec	mud sampled first sandy water then mud	X	water	GREEN TOUGH CLAY GRAVELLY, SHELL FRAGMENTS POSSIBLY CONTAMINATION	X
54-59	aa	screwed in ground no spin		aa	SHELL FRAGMENTS MUSHY, SANDY CLAY BLUISH GREEN	X
59-64					ALL SAMPLES FROM FLIGHTS TAKEN NEAR END OF FLIGHT	
64-69					bottom	
69-74					BOTTOM FLIGHT WAS CLEAR NEXT TWO FLIGHTS	
74-79					CARRIED CLAY, POST DISPLACES us clay	
79-84					material below the clay fell away as flights were pulled	
84-89						
89-94						
94-99		73401 N				
99-104		352654 W				

Well: JOH-A-5-83
DATE: 8-9-83

Spud: _____
Plug: _____

CEMENT: yes
SAND: _____

Elev.: 260
T.D.: 58

JOHN - A - 5 - 83

York town to Bottom of Hole

2/19/83

SR

Johnston County ne-

