

JOH-A-7-83



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 Mr. Rose :

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. Eno
Driller-in-Charge

J. R. Rose Jr.
Land Owner (or)
Person in charge of the land

Date

INTE	DRILLING REMARKS	DESCRIPTION: CIRCULATED RETURNS	SAMPLE	CIRCULATION REMARKS	DESCRIPTION: FLIGHT RETURNS	SAMPLE
0-4	Easy 30 sec	brown yellow sand	X	pin out		
4-9	moderate 55 sec	yellow brown sand	X	aa		
9-14	easy 45 sec	yellow-brown to gray micaceous silt clay	X	aa		
14-19	aa 35 sec	aa	X	aa		
19-24	aa 30 sec	moist micaceous sand yellow + gray	X	aa		
24-29	aa 30 sec	has Yorktown look gray micaceous clayey fine sand	X	aa		
29-34	aa 30 sec		X	screw in	one sample labeled 29'-32' brownish gray marl sand	X
34-39	aa 30 sec		X	aa	very stiff dark gray clay	X
39-44	aa 30 sec	gray micaceous clay findings about 1/2 fl. h full	X	aa	gray micaceous clay	X
44-49	tough 1 1/2 min	no findings	X	aa	gray micaceous clay	X
49-54						
54-59						
59-64		only the last 4 flights that were screwed				
64-69		in bad cuttings when pulled bottom two				
69-74		were full - next two were half full				
74-79						
79-84						
84-89						
89-94						
94-99						
99-104						

Well: JOH-A-7-83

Spud: _____

CEMENT: X

Elev.: _____

DATE: 9/16/83

Plug: _____

SAND: _____

T.D.: 49

Johnston County

site # ~~1~~ #2

Princeton Quad

