

Harnett County

HAR-A-2-83



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 David Eason :

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. Snos
Driller-in-Charge

David Eason

Land Owner (or)
Person in charge of the land

6-7-83
Date

INTE	DRILLING REMARKS	DESCRIPTION: CIRCULATED RETURNS	Sample	CIRCULATION REMARKS	DESCRIPTION: FLIGHT RETURNS	Sample
0-4	easy <30 sec	orangish brown clay sand		spin out		
4-9	tough 1 min	orange clay & silt		spin out		
9-14	aa	aa		X spin out		
14-19	easy 45 sec			screw in	pull string purple & brown clay } half way down flight 16' } X	
19-24	easy 45 sec	findings become sandy →		screw in	also sandy layers with scattered gravel as sample from near bottom of flight 23' X	
24-29	easy 30 sec			screw in	sample near top of clay with gray streaks 25' X	
29-34	moderate 40 sec			screw in	sample off bit 29' gray clayey sand loose on flight → X	
34-39	aa 40 sec			screw in	gray clayey sand tight on flight X	
39-44	harder 50 sec			screw in	② buff sand mixed with gray clay X	
44-49	aa 50 sec			screw in	pull string ② loose buff sand → sample of gray clayey sand → loose buff sand → X	
49-54					loose buff sand → ① gray clayey sand (with rose of 1/2) → X	
54-59						
59-64					① flight has gray clayey sand on bottom 1 foot. above this flight is less than 1/2 full of material except at top where 1/4 of flight full of loose buff sand	
64-69						
69-74					② two flights less than 1/6 full mostly buff sand with some gray clayey	
74-79					sand mixed in	
79-84					③ gray sandy clay above this point moved up hole during drilling	
84-89						
89-94						
94-99						
99-104						

Well: HAR-A-2-83 Spud: _____ CEMENT: _____ Elev.: _____
DATE: 8/15/83 Plug: _____ SAND: _____ T.D.: 48

Harnett County

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