

Harnett County HAR-A-3-83



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

352146 N
783641 W

Dear E. R. Neighbor :

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

E. R. Neighbor
Land Owner (or)
Person in charge of the land

1 June 1983
Date

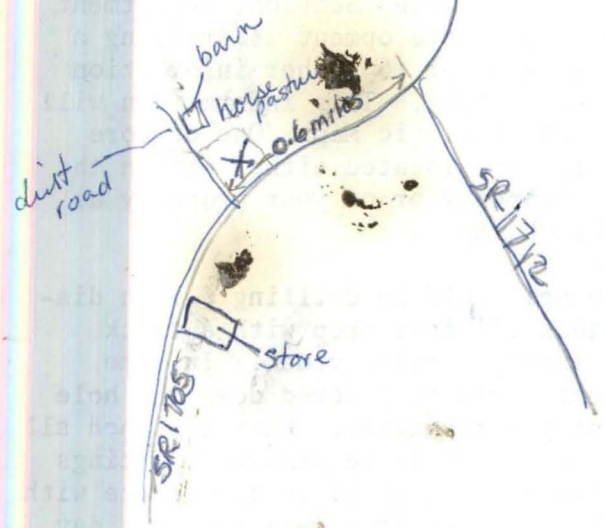
Harnett County

COATS

1704

Hwy 27

SR 1705



DUNN

DUNN

INTE	DRILLING REMARKS	DESCRIPTION: CIRCULATED RETURNS	SAMPLI	CIRCULATION REMARKS	DESCRIPTION: FLIGHT RETURNS	SAMPLI
0-4	Easy 30sec.	Brown sand - gravel at bottom		sp'n		
4-9	d.N: cult 1 1/2 min	top half is sandy gravel brownish yellow sand in bottom 1/2		chatter spin from gravel bed		
9-14	50 sec	yellow brown sand findings		screw in (pull 6 flights)	gray clay, fine sand →	X
14-19	55 sec			aa	dry gray clay →	X
19-24	50 sec	brown mush findings		aa	dry gray clay →	X
24-29	40 sec			aa	dry gray clay off bit and first foot of flight →	X
29-34				screwed in	sample estimated to be from here - gray clay →	X
34-39				(2)	sample estimated to be from here →	X
39-44					sample estimated to be from here - crumbly gray clay →	X
44-49					sample estimated to be from here - crumbly gray clay →	X
49-54		① when first 6 filter pulled material had obviously been displaced up. top 2 1/2 flights were full - bottom				
54-59		3 1/2 flights only about 1/2 full - bags were numbered from where they were calculated to come				
59-64		② when flights were pulled - all material had been displaced up the hole - had to				
64-69		estimate true position of samples - gamma log not much help - I think I got depths close.				
69-74						
74-79						
79-84						
84-89						
89-94					352146 N	
94-99					783641 W	
99-104						

Well: HAR-A-3-83

Spud: _____

CEMENT: _____

Elev.: _____

DATE: 8/15/83

Plug: _____

SAND: _____

T.D.: 49