

P. 1/2 Lithology (described while drilling)	Footage	Drilling Time	Drilling Remarks	6-7-83 Lithology (described from pulled flights) HAR-A-1-83 783928 elev 175' 3516.32
silty clay moderate brown (5YR 4/5)	44' 5'	1/2 min		
Clay; light brown 5YR 4/6 clay; pods of very pale orange 10YR 8/2	10'	1.5 min		
Clay; light brown 5YR 4/6 clay; pods of very pale orange (10YR 8/2) * Sample collected	15'	1.5 min		
Clay - grayish orange pink 10R 8/2 slightly micaceous Sand, coarse; grayish orange (10YR 7/4) (soupy) * sample collected	20'	30 sec.	- water table	
Clayey sand w/ coarse sand sized particles of quartz; slightly micaceous, light brown (5YR 5/6)	25'	30 sec.	Still "soupy" coarse sand til about bottom 1 foot of flight	
dry clay  Soupy coarse sand (coarser than at 18') grayish orange (10YR 7/4)	30'	30 sec.	went down very fast with very little pressure	
no sample; too soupy	35'		went down very quickly	no sample; too soupy
no sample; too soupy	40'	stop watch 45 sec.	went down very quickly with little pressure	no sample; too soupy
Sand not as coarse as at 30' color change: yellowish gray (5Y 7/2) no sample; too soupy towards bottom get dry fragments that are 'sandy'.	45'	45 sec.		no sample;
no sample; too soupy	50'	43 sec.		no sample; too soupy

Lithology (described while drilling)	Footage	Drilling Time	Drilling Remarks	Lithology (described from pulled flights)
no sample; too soupy	55'	50 sec.	took more pressure about halfway down flight	halfway down flight - sample off inside of black tough clay - orange & yellow
no sample; too soupy	60'	38 sec.		halfway down flight sample inside of black tough clay orange and yellow
no sample; too soupy	65'	32 sec.		flight full of soupy gray sand & clay - sample mid flight
no sample	70'	25 sec.		flight full of stiff gray sand and clay - sample mid flight
no sample	75'	48 sec.	- slowed down more resistance	flight full first foot - about 1/2 full below - stiff gray sand and clay sand coarser and slightly less stiff 2nd foot down (sample) - bottom 3 feet of flight little samples
no sample	80'	2 min. 25 sec.	- moderately tough to drill	flight cleaner sample bottom foot of flight - lignite - stiff gray sandy clay
no sample	85'	1 min. 19 sec.	- moderately stiff	sample - bottom foot - streaks of yellow sand in gray sandy clay
no sample	90'	1 min. 20 sec.	- moderately tough went down easier sounded different	top half of flight - no residue sample bottom half of flight - stiff sandy clay - gray
no sample color change yellow gray (547/2)	95'	1 min. 45 sec.		stiff red and gray mottled clay stiff red and gray mottled clay
no sample	100'	1 min. 23 sec.	did not spin between putting flights on	orange, yellow and pink sand; outside of gray clay gray and red mottled clay with some gravel very soft.
no sample yellow gray (547/2)	105'	1 min. 20 sec.	spin	

John West  
r. at fork  
1st house on

10 a.m.

HAR-A-1-83

drilled 6-7-83

DIVISION OF  
LAND RESOURCES

logged 6-7-83  
Stephen G. Conrad, Director



# North Carolina Department of Natural Resources & Community Development

James B. Hunt, Jr., Governor

Joseph W. Grimsley, Secretary

Telephone 919 733-3833

1-June 1983

gave permission to  
drill but doesn't want  
to sign consent form.  
Call before going to location  
and he will meet us there.

R.M. Enos

Dear \_\_\_\_\_:

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,

Would not sign form, but gave verbal permission and was present during drilling

Driller in-Charge  
*Frank K. Bando*

\_\_\_\_\_  
Land Owner (or)  
Person in charge of the land

\_\_\_\_\_  
Date



88. R.A. West

Harnett County / Erwin Quad

specify date and location before signing

