

SC-A-4-83: Microscopic Examination

7/15/83
RUS

4-9, D cly Sd: pale yellow or (104R 8/6); m-cse gr,
sbang, mod rt qtz; com field; minor
f chr mic; r sml lig frags

19-24, D cly Sd: grayish or ph (10R 8/2); cse gr,
sbang, mod rt qtz; com field; f chr
mic; r sml lig frags.

34-39, D cly Sd: aa w/ m-cse gr qtz; decr f chr
mic; v r rose qtz; Fe sta

59-64, D aa

79-84, D aa

74-79, F cly Sd: yellow gray (5Y 7/2); f-m gr,
sbang, mod rt qtz; com f chr mic;
rose qtz, cse gran/sbl;

84-89, F cly Sd: aa; w/ mic f chr mic

Flowing at ~ 15-20 gal/min

20-40 cl
40-50 cl
86-104 cl

INTER	DRILLING REMARKS	DESCRIPTION: CIRCULATED RETURNS	Sample	CIRCULATION REMARKS	DESCRIPTION: FLIGHT RETURNS	Sample
0-4	Easy 30 sec	Grey-yellow med sd		Dry - mm		
4-9	aa	Lt Grey to yellow cse sd	X	Wet - mm		
9-14	aa	Lt Yellow grey cse sd		Soupy - poor Water Table @ 14'		
14-19	aa	aa		Wet - mod		
19-24	aa	aa	X	Wet - abd		
24-29	Hard 28-29' 4 min	NO Sample Return		—		
29-34	Hard 30'-33' 5 min	aa		—		
34-39	Hard 35-37'	Pink cse sd	X	Wet - mod		
39-44	Fairly Hard	aa		aa		
44-49	aa	aa - Lt pinkish grey		aa		
49-54	49-50 Hard 50-54 F Hard	aa.		aa		
54-59	Fairly Hard 4 min	aa		Wet - abd		
59-64	Easy - 1 min	aa	X	aa		
64-69	aa 30 sec	aa		aa (soupy)		
69-74	aa	aa		Soupy - abd		
74-79	aa Hard at 79	aa		aa	med grey sdy sticky cl	X
79-84	Hard 79-81 Easy 81-84	aa	X	aa	↓	
84-89	Fairly Hard 84-89	aa		aa	med grey cse sdy sticky clay	X
89-94	aa 89-94	aa		Soupy - mod	↓	
94-99	aa 94-99	aa		Soupy - abd	↓	
99-104	aa	aa		aa	↓	

Well: SC-A-4-83 Spud: 9:00 am CEMENT: 4 bags Elev.: 245 ft
 DATE: 6/29/83 Plug: 12:30 pm SAND: 2 full trailers T.D.: 104 ft

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

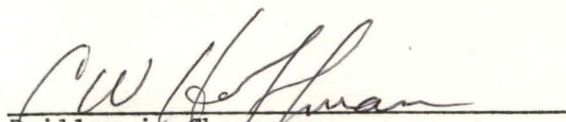
Dear Mr Brooks :

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,


Driller-in-Charge

*permission granted
by Mr Brooks*

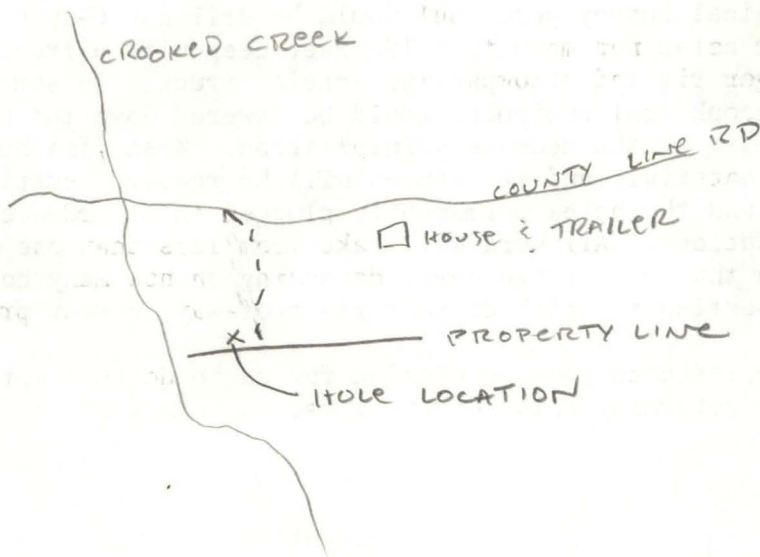
Land Owner (or)
Person in charge of the land

Date

6/16/83

SC-A-4-83 Drilled 6/29/83

N
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582-3797 daughter