

Microscopic

Description:

7/11/83 RUS

SC-A-6-83

0-4, D sd cl: olv gry (54 4/1); w/com f gr, sbang  
qtz; mmr mic  $\xi$  lig frags

4-9, D cl sd: lt brn gry (54R 6/1); m gr, sbang  
mod prt qtz; w/ com feld; mmr  
mic  $\xi$  lig frags; approx. 30% cl.

9-14, D aa; Brn gry (54R 4/1)

14-19, D cl: pale yellow brn (104R 8/6); w/ com  
sm translucent mic; mmr m-f gr  
qtz. (2nd cl on gamma @ 10-14?)

19-24, D Set: gysk or (104R 7/4); f-m gr, sbang,  
mod prt qtz; w/ com sm translucent  
mic; r sm lig frags (good sd on  
gamma from 14-30')

24-29, D Set: gysk yel (54 8/4); f gr, sbang,  
wl prt qtz; w/ com sm translucent mic

29-34, D Set: pale yellow or (104R 8/6); f-m gr,  
sbang, mod prt qtz; w/ com sm  
translucent mic; r common (cl on gamma  
between 30-38')

7/11/83  
RVS

34-39, D Set: dk yellow or (10YR 6/6); m-cse gr, sbang, poorly sort gtz; com sun transl mic

39-44, D aa (38-68' cly sd thinly interbedded w/ 4-6' cl on g-log)

44-49, D aa

49-54, D Set: lt olv gry (5Y 6/1); cse gr, sbang, mod sort gtz; com sun transl mic; more amber; woody frags

54-59, D aa

59-64, D Set: yellow gry (5Y 7/2); m-cse gr, sbang, poorly sort gtz; com sun transl mic; woody frags

69-74, D aa (68-78' sd on g-log)

74-79, D aa

79-84, D aa (78-82' cl on g-log)

84-89, D aa (82-88' sd on g-log)

89-94, D aa (88-97' cl on g-log)



7/11/83  
RVS

94-99, D Sst: Pale yellow or (10YR 8/6); f gr, shang, mod w/ int qtz; com sm trans mic; mmr woody fragr  
(97-100' sd on g-log)

99-104, D aa; dk yellow or (10YR 6/6)  $\frac{1}{2}$  v mmr lim btu

34-39, F [Cl on g-log] pebbly Cl: graysh or pink (10R 8/2); com qtz pebbles; mmr sm mic  $\frac{1}{2}$  woody fragr

49-54, F [Cl interbed on g-log] aa; pale brn (5YR 5/2) to pale yellow or (10YR 8/6); mmr Fe/lim cont agg

59-64, F [Cl on g-log] Cl pebbly Sd; pale yellow or (10YR 8/6); m-cse gr, shang, poorly int qtz; com redd qtz pebbles, mmr fine clear mic, v woody fragr  
pale brn (5YR 5/2);

64-69, F [Cl on g-log] Cl: w/ mmr qtz pebbles, f gr qtz  $\frac{1}{2}$  Fe agg; com f mic  $\frac{1}{2}$  woody fragr

79-84, F [Cl on g-log] pebbly Cl: graysh pink (5R 8/2); w/com qtz (rose) and feld pebbles; mmr fine clear mic



84-89, F [sd @ 84 ; cl @ 89 on g-log]. cly Sd : gyps  
pink (SR 8/2); m-cce gr, ~~blang~~,  
mod wt qty; mmr fine clear  
mic, woody frag,  $\frac{1}{2}$  qty pebbles

89-94, F [cl 88-97' on g-log] aa; w/ com v fr  
clear mic



ENTER	DRILLING REMARKS	DESCRIPTION: CIRCULATED RETURNS	Sample CIRCULATION REMARKS	DESCRIPTION: FLIGHT RETURNS	Sample
0-4	Easy 30s	Gray sdy <u>cl</u>	✓ Dry - mod	6-12 - <u>cl</u> 30-68 - <u>cl</u>	
4-9	Harder 26' Easy below	Reddish brn sdy <u>cl</u>	✓ aa	78-80 } <u>cl</u> 86-96 }	
9-14	Rel. Hard	Dark brn <u>cl</u> w/ some <u>sd</u>	✓ aa		
14-19	aa	Gray Yel. <u>cl</u>	✓ aa		
19-24	Easy - 40s	Gray Yel sdy <u>cl</u>	✓ Moist - poor		
24-29	aa	Lt Gray to Or <u>sd</u>	✓ Soupy - abd H <sub>2</sub> O Table 26'		
29-34	aa	Yel Or med <u>sd</u>	✓ Wet - abd		
34-39	aa	aa	✓ aa	m Gray to white <u>cl</u> w/ pebbles	X
39-44	aa	aa slightly coarser	✓ aa		
44-49	aa	aa	✓ aa		
49-54	aa	LT Gray <u>cl</u> <u>sd</u>	✓ aa	aa	X
54-59	aa	aa	✓ aa		
59-64	aa	Lt Brn Gray <u>cl</u> <u>sd</u>	✓ aa	Gray to Orange pebbly <u>cl</u>	X
64-69	qa	aa	✓ aa	Med. Gray Pebbly <u>cl</u>	X
69-74	aa	aa	✓ wet - poor		
74-79	aa	No Sample Return	—		
79-84	81→84 all hard/easy	Lt Brn Gray m <u>sd</u>	✓ Wet abd	↓ aa	X
84-89	Easy - 40s	aa	✓ Wet - poor	✓ <u>cl</u> to pink <u>sd</u> w/ abd <u>cl</u>	X
89-94	Hard - 5 min	aa - yellow brn at 93-94	✓ Wet - abd	aa	X
94-99	aa - 10 min	Lt brn gray m <u>sd</u>	✓ aa		
99-104	aa	Yel Org <u>cl</u> <u>sd</u>	✓ aa		

Well: SC-A-6-83Spud: 9:15 amCEMENT: 105 bagsElev.: 240 ftDATE: 6/30/83Plug: 1:00 pmSAND: 1 full TrailerT.D.: 104





# 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 Jones :

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,

Richard V. Smith  
Driller-in-Charge

[Signature]  
Land Owner (or)  
Person in charge of the land  
7-6-83  
Date

SC-A-5-83 drilled 6/29/83  
SC-A-6-83 drilled 6/29/83