

Correlated with SA-P-1-65 (Brown's P-6)

abundant sample contamination/PMB

SAMPLE DESCRIPTION

Sorting → Good: 90% in 1 or 2 size classes

Fair: 90% in 3 or 4

Poor: 90% in 5 or more

Well # SA-T-1-83 TD 456 Examined by: RME Date 12/14/83

p. 1 of 2

Key: A - Abundant C - Common M - Minor T - Trace R - Rare X - Major Constituent

Interval	Rock Type	Color	get off unsmoothed sample	Texture			Quartz	Feldspar	Glauconite	Phosphate	Calcite	Shell	Mica	Pyrite/Marcasite	Lignite	Chalcedony	Amethyst	Rose Quartz	Tourmaline	Siderite	Limestone	Ankerite	Fossils	Fe-Stain	Remarks		
				Grain Size	Grain Shape	Sorting																					
10/20	SST	10.4R 8/6 Pale yellowish orange	C-FG	SR-SA	F	X	R																	C	Fe oxide cemented fragments and some stained grains @ 5% clean gtz.		
20/30	SST	5Y6/2 yellowish olive gray	C-M	SR-SA	F	X	R						R	M	R									M	lithic frags of gray clay Fe oxide stained gtz grains		
30/40	SST	5Y5/2 light olive gray	C	SR-SA	F	X	C					R	R	R										R	lithic frags of gray clay		
40/50	SST	5Y4/1 lt. olive gray	F-M	SR ^{SP}	G	X	M	R				M	M	C										M	Fe oxide cemented grains lithic frags of lt. gray clay		
50/60	Sh	5Y4/1 olive gray	M-C	SA ^R	F	X	M	R				M	C	A	R	R								M	Common clay frags much more than above. Feldspar from above. abundant lithic clay frags.		
60/70	Sh	AA	F-C	SA-SR	F	A		R				M	A	A	R	R								R	abundant lithic clay frags		
70/80	Sh	AA	F-C	SA-SR	F-P	X		R				M	A	A	R									M	lithic clay frags. (lt. gray)		
80/90	SST	5Y5/2 light olive gray	F-C		F	X		R				M	C	M										M	lithic clay frags. (lt. gray)		
90/100	SST	AA	F-M	SA	G	X		M				R		M										M	R lithic clay frags. (lt. gray)		
100/110	SST	AA	M-C	SR	F	X		M	R			M		M										R	lithic clay frags (lt. gray) darker green. Common frosted milky white & greenish stained gtz.		
110/120	SST	5Y6/1 light olive gray	M-C	SR to SA	F	X	R	C				m		M-C	M									M	lithic frags (clay) green white quartz on lignite		
120/130	Sh & SST		M-C	SR to SA	F	X		M				R	C	C	M									M	lithic frags (clay)		
130/140	SST		M-C	SR-SA	F	X		M				M	M	M	R											clay lithic frags	
140/150	SST		M-C	SA & SR	F	X		M				M	R	R	T											lt. gray lithic frags	
150/160	SST	AA												R													
160/170	Sh					X		C	R			T	C	A	R	T											lt. gray and lt. green clay frags
170/180	Sh		C-FG	SA ^R								T	C	C	T	T											lithic frags (AA) green stained gtz.
180/190	SST		FG	SR		X		M				T	C	C	R	T											Large pieces lignite Common gray lithic clay frags
190/200	SST		M-C					R						C		T											lt. tan clay / rare sst frag w/ siderite?
200/210	Sh (lod)		M-FG			X		R						C		T	M										lt. tan clay (micaceous) shells, tooth shell frags
210/220	Sh				P	X	T	C				T	A	A	C	T											clay w/ lignite possible siderite
220/230	Sh		F-C		P	X	M					M			C	T											possible siderite & gray feldspar glauconite & lignite from above. not nose at side and staining
230/240	Sh ^{ceyst}					X	T					C			C	R											lt. tan clay; gray felds. rose gtz. sand sized gtz in Cape Fear Clay
240/250						X									A												lt. tan clay frags

"B"

"C"

sh

sh

one Paeedee bug

lithic frags from above rare amber

lithic glauconite green white quartz on lignite

Feldspar

DESCRIPTIVE LOG

COUNTY: Sampson

LOCATION: 345818 Lat 782014 Long

WELL CODE (NCGS): SA-T-1-83

ELEVATION (msl) 150 ft.

WELL CODE (NCDGW): _____

TOTAL DEPTH 456 ft.

TYPE OF SAMPLE: cuttings

LITHOLOGY BY: RME

PALEONTOLOGY BY: PMB

COMMENTS: large amount of sample contamination.

Correlated to SA-P-1-65

DATE: _____ PAGE 1 OF 2

DEPTH(ft)	LITHOLOGY	AGE	UNIT	FAUNA
10-20	Sst: pale yelsh or (10YR 8/6); f-cse gr sbrndd to sbang; mod w/ srt qtz; abd Fe-oxide stn qtz; mnf fspr	undiff. Holo/Pleistocene	unnamed	none
20-50	Cly Sst: lt olv gry (5Y5/2); m-cse gr, sbrndd to sbang, mod w/ srt qtz; com-mnr lig frags; mnf mic & pyr/marc & Ca CO ₃ ; r phos shl frags & shark teeth	Upper Cretaceous	Unit "B" Black Creek Formation	no diagnostic fauna
20-98	Sdy-C1 and Cly Sst: interbedded; f-cse gr, sbrndd to sbang, poorly srt qtz; abd-com lig frags; com pyr/marc; mnf mic & glauc; r amethyst, amber, rose qtz & phos shl frags.			
98-162	Sltly Sst: m-cse gr, sbrndd to sbang, mod w/ srt qtz; com-mnr amethyst and lig frags; mnf pyr/marc & rose qtz; r glauc	Upper Cretaceous	Unit "C" Black Creek Formation	no diagnostic fauna
162-200	Sdy C1: m gry (N5); m-cse & f grv; sbrndd to sbang, poorly srt qtz; com pry & lig frags; tr mic & rose qtz; r amethyst			
200-260	Sdy C1: y/ sh gry (5Y8/1) and vry lt gry (N8); f-m gr, sbrndd, poorly srt qtz; abd-com rose qtz; com Fe oxide staining mnf fspr & mic; tr sid	Lower/ Upper Cretaceous	Unit "F"	none
260-274	Grv: m-cse sd to f grv; ang to sbrndd; poorly srt qtz and fspr; com rose qtz and sid			
274-342	Sdy C1 and Cly Sst: interbedded; vry lt gry (N-8) cly; f-cse sd & f grv; sbrndd to sbang; poorly srt qtz; com fspr & rose qtz; com-mnr sid; mnf Fe oxide staining			

DESCRIPTIVE LOG (cont.)

DEPTH(ft)	LITHOLOGY	AGE	UNIT	FAUNA
342-456	Sst; f-cse gr w/ f grv; sbrndd to sbang; poorly srt qtz and fspr; abd Fe oxide staining			

BL-C-1-83

- 6 Post YKT
- 16 YKT
- 21 Top A

BL-C-2-83

- 26 post YKT
- 31 YKT
- 1-36 "
- 6-41 "
- 1-46 "
- 6-51 "
- 1-56 "
- 6-61 "
- 1-66 Top K (no bugs)

BL-T-3-81

- 0-15 post Tert.
- 15-20 Top A

GR-T-1-67

- 0-18 Post YKT
- 18-21 YKT
- 21-61 "
- 61-81 Kbc

SA-T-1-83

- 10-20 post K
- 20-30 K one sd cast. (not in place)
- prob "C"

DU-T-2-XX

- 2-10 post K
- 10-20 A
- 20-50 "
- 50-60 " abundant fauna of lower Pd
- ↓
- 100
- 100-110 top of "B" (C. hunterensis)

October 13, 1983

Mr. Worth Pickard
Carolina Well & Pump Co.
P. O. Box 1085
Sanford, North Carolina 27330

Dear Mr. Pickard:

Enclosed are copies of the geophysical logs from the well at Clinton. The subsurface information we obtained from that site will be useful to our current research. We would like to continue to obtain this type of subsurface information and would appreciate your contacting us about any Coastal Plain wells you may drill in the future. Bill Hoffman is the geologist in charge of geophysical logging. If he is unavailable, you may contact me or leave a message. Our current plans call for a rig mounted copy machine. This will allow us to make log copies in the field and will prevent the delay of getting copies to the drillers.

Thank you for your consideration.

Sincerely,

Rebecca M. Enos
Geologist
Geological Survey Section

RME/jcl

SA-T-1-83

MEMORANDUM

TO: Grover Nicholson, GWS

FROM: Becca Enos, GSS

SUBJECT: Wells drilled at White Lake Farm (BL-T-1-84) and
Clinton (SA-T-1-83)

DATE: February 29, 1984

Attached are my descriptive logs of the subject wells. You should already have a copy of our geophysical logs from SA-T-1-83. Please contact me if you do not and I will forward them to you.