

DESCRIPTIVE LOG

COUNTY: Bladen

LOCATION: 343952 Lat 782937 Long

WELL CODE (NCGS): BL-T-1-84

ELEVATION (msl) 85 ft.

WELL CODE (NCDGW): _____

TOTAL DEPTH 260 ft.

TYPE OF SAMPLE: cuttings LITHOLOGY BY: RME

PALEONTOLOGY BY: PMB

COMMENTS: _____

DATE: 1/25/84

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DEPTH(ft)	LITHOLOGY	AGE	UNIT	FAUNA
0-42	<u>Sst</u> : mod yelsh brn (10 YR 5/4); m-cse gr, sbang, mod w/ srt qtz; w/abd Fe oxide stn on qtz; mnr-com fspr & mnr mic & hvy mins	undiff. Holo/Pleist.	unnamed	none
42-93	<u>Sltly Cl</u> : m lt gry (N6); mnr mic & lig frags; tr pyr/marc & amber; r.forams	Upper Cretaceous	Unit "B"- Black Creek Formation	no diagnostic fauna
93-141	<u>Cly Sst</u> : m lt gry (N6)-m dk gry (N4); f-cse gr, sbang, poorly srt qtz; com-abd glauc; com mic, amethyst & lig frags; tr phos, pyr/marc & phos shell frags; r forams			
141-146	<u>Sst</u> : m-cse gr, sbang, poorly srt qtz; abd glauc; com phos, amethyst, lig frags; mnr mic & pyr/marc			
146-163	<u>Cly-Sst</u> : m gry (N5); f-m gr; sbang, poorly srt qtz; com glauc & lig frags; mnr to com fspr, phos; mnr mic & pyr/marc; r phos shell frags			
163-196	<u>Sst</u> : m-cse gr w/fn grv; sbang, poorly srt qtz; com glauc; mnr to com fspr; mnr phos & pyr/marc			
196-204	<u>Sltly Sst</u> : v f to f gr; sbang to ang; w/ srt qtz; abd glauc; com mic; mnr to com lig frags; tr pyr/marc			
204-224	<u>Sst</u> : m-cse gr, sbang, poorly srt qtz; com lig & pyr/marc; mnr fspr	Upper Cretaceous	Unit "C" Black Creek Formation	none

DESCRIPTIVE LOG (cont.)

DEPTH(ft)	LITHOLOGY	AGE	UNIT	FAUNA
224-231	<u>Cly Sst</u> : md gry (N5); m-cse gr, sbang, poorly srt qtz; com lig, fspr & pyr/marc			
231-258	<u>Sdy Gry</u> : mgr to mgrv; sbrd to sbang, poorly srt qtz & fspr; com lig & mic; mnr to com pyr/marc			

80-90' Wacama
bug

1/24/84

RME

BL-T-1-84

brown oxide staining
on \approx 25% grains c.gr.

- 0/10 clean gtz. sand, fairly well sorted, subangular
- 10/20 AA > 2% of brown stained gtz. c.gr.
- 20/30 AA minor feldspar c.gr.
- 30/40 AA feldspar common, minor mica, tr. heavies m.gr.
- 40/50 AA

50/60	sh	Black Creek "B"	gray clay frags w/ lignite & mica		
60/70	sh	AA	+ Amber, trace rose gtz. (pred. gtz. sand washed away)		
70/80	sh	AA	no amber		
80/90	sh	AA	+ trace glauconite		
90/100	sh	AA	glauc. common & lig. frags; rare green stained gtz. (weathered light green and pellets of darker green)		
100/110	sh	AA			
110/120	sh	AA	common amethyst, trace amber, trace phosphate		
120/130	sh	AA	phosphate more common; pyrite/marcasite (no amber)		
130/140	sst	AA	coarse grained		
140/150	sh	AA	m. grained; glauc. common to abundant		
150/160	sst	AA	c.gr. increase in rose gtz. feldspar		poorly sorted
160/170	sst	AA	c.gr. feldspar		poorly sorted
170/180	sst	AA	c.gr. feldspar increase		poorly sorted
180/190	sst	AA	c.gr. fine gravel (minor alga)		poorly sorted
190/200	sh		very fine grained sand - abund. glauc., common mica & lignite, tr. pyrite (rare sharks teeth)		ma. congl.
200/210	sh	AA	w/ gray micaceous, lignitic clay frags; increase in pyrite marcasite (v. fine grained)		phosphatized shell frags
210/220	sst	"C"	med. - c. grained much less glauconite (phosphatized shell frags)		
220/230	sst		med - c. grained lignite & pyrite & feldspar common (rare glauc.)		
230/240	cof.		fine gr. - med. gravel etc. lignite & pyrite & feldspar common (rare glauc.)		
240/250	cof.		gtz, feldspar, lignite & pyrite (gray clay frags) (rare glauc.)		poorly sorted
250/260	cof.	AA	gray clay frags phosphate (sharks tooth from above)		poorly sorted
260/bit			sandy clay w/ some glauconite, abund lignite and mica, some pyrite		poorly sorted congl. clay

increase in glauconite

aggregates
unwashed
samples

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NOTES

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DEPTH(ft)	LITHOLOGY	AGE	UNIT	FAUNA
0-42'	<u>sst</u> : moderate yellowish brown (10 YR 5/4) m-cse gr, sbang, mod w/ srt gtz; with ^{abund.} brown Fe oxide staining on gtz. grains; gtz grains mnr-com feldspar & mnr mic & heavy minerals.	Undiff. Holo/Pleist. deposits	unnamed	none
42-90	^{silty} <u>ely sst</u> : med. light gray (N6) fn-m gr, sbang, mod w/ srt gtz; mnr lig & mic; tr pyr/marc of amber; r forams (N6) (N9)	Upper Cretaceous	Unit B	no diagnostic fauna
90-141	^{silty} <u>ely sst</u> : md. light gray to med drk gray fn-m gr, sbang, poorly srt gtz; com-abd glauc; com mic, amethyst, & lig; tr phos, pyr/marc & phos shell fragments; r forams			"
140-146	<u>sst</u> : m-c gr, sbang poorly srt gtz; com glauc; phos, amethyst, lig; mnr mic & pyr/marc			"
140-150	<u>ely sst</u> :			

check about
iron staining

1. lithology
doesn't change
at 50/60

(30-141)

(11-147)

DESCRIPTIVE LOG

Brown lithic pick at 190
log pick at 170

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148-163	^{silty} cl ₂ sst: m-c gr, sbang, poorly srt qtz; com glauc & phos; minor to com feldspar; mnr mic & pyr/marc	Upper K	Unit B	
163-197	ss ₂ : ^{fine gravel} m-c gr; sbang, poorly srt qtz; com glauc; minor to com feldspar; min phos & pyr/marc			black spots probably algae
197-204	cl ₂ sst: lt. olive gry (54/1) v fine gr, sbang to ang; wd srt qtz; abd glauc; com mic; mnr lig; tr pyr/marc	Upper K	Unit "C"	no diagnostic fauna
204-224	ss ₂ : m-c gr; sbang, poorly srt qtz; com lig & pyr/marc; mnr feldspar	Upper K	Unit "C"	no diagnostic fauna
224-231	cl ₂ sst: md gry (NS); m-c gr, sbang, poorly srt qtz; com lig, feldspar, & pyr/marc			
231-258	cl ₂ gravel: m grained sand - m gravel, sbrd to sbang, poorly sorted qtz; com lig, mic, & feldspar; mnr to com pyr/marc			

may be ~~stone~~ clay coming in at bottom of hole