

DESCRIPTIVE LOG

COUNTY: Bertie

LOCATION: 360306 Lat 771140 Long

WELL CODE (NCGS): BER-T-1-82

ELEVATION (msl) 29 ft.

WELL CODE (NCDGW): H-22, i-3

TOTAL DEPTH 660 ft.

TYPE OF SAMPLE: cuttings

LITHOLOGY BY: C.W.H.

PALEONTOLOGY BY: P.M.B.

COMMENTS: Mixing of cuttings is increasingly severe with depth of samples. Unit picks thus rely heavily on log correlations (primarily to MAR-T-1-61). Descriptions indicate key lithologic elements ascertained in conjunction with the log correlation.

DATE: 2/4/83

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DEPTH(ft)	LITHOLOGY	AGE	UNIT	FAUNA
0-5	sdv <u>C1</u> : mod yelsh brn (10YR 5/4); abd m-gr, ang sd & mic	undiff Holo, Pleistocene deposits	unnamed	none
5-15	<u>Sst</u> : lt brn (5YR 5/6); cse-gr, ang, poorly srt qtz & tspr; abd Fe-stn			
15-27	<u>Grv</u> : mod yelsh brn (10YR 5/4); abd Fe-stn			
27-35	<u>Sst</u> : dk yelsh brn (10YR 4/2); cse-gr, ang, poorly srt qtz/fspr; com Fe-stn, tr tour	Pliocene	Yorktown Formation	marine diatoms
35-57	<u>Sst</u> : olv gry (5Y 4/1); fn-gr, ang, mod wl srt qtz, com glauc, mnr phos, tr rose qtz, ame & pyr/marc			
57-70	<u>C1</u> : dark yelsh brn (10YR 4/2)			
70-101	<u>Sst</u> : lt olv gr (5Y 6/1); m-gr, sbang, mod wl srt qtz; mnr fspr, tr pyr/marc & rose qtz			
101-120	sdv <u>C1</u> : mod yelsh brn (10YR 5/4); abd m-gr, sbang, poorly srt qtz; mnr fspr, tr pyr/marc & fn-gr mic	Upper Cretaceous	Unit "C"	none
120-130	<u>Sst</u> : dk yelsh brn (10YR 4/2); m-gr, sbang, mod wl srt qtz; tr fspr, pyr/marc, & amb			
130-140	<u>C1</u> : dk yelsh brn (10YR 4/2)			

DESCRIPTIVE LOG (cont.)

DEPTH(ft)	LITHOLOGY	AGE	UNIT	FAUNA
140-170	<u>Sst</u> : mod yelsh brn (10YR 5/4); fn gr, sbang, mod wl srt qtz/fspr; tr pyr/marc			
170-225	<u>Cl</u> : lt olv gry (5Y 6/1); mnr pyr/marc & mic, tr glauc & lig			
225-402	interbedded <u>Sst</u> and <u>Slstst</u> : <u>Sst</u> : mostly fn & med gr, ang to sbang, mod wl srt qtz w/com fspr in some beds; yel Fe-stn com 350-370 in cse sd; mnr rose qtz <u>Slstst</u> : varicolored rd, yel, & or; wh mica mnr to com; r. grn mic	Upper Cretaceous	Unit "D"	none
402-434	cly <u>Sst</u> : fn-gr, ang qtz; mnr mic, r glauc	Upper Cretaceous	Unit "E"	none
434-604	interbedded <u>Sst</u> and <u>Cl</u> : <u>Sst</u> : thickly bedded w/lower beds being cse gr, sbang qtz & fspr and upper beds being fn-to med-gr, ang to sbang qtz; thin, hard, CO ₂ -cmted fn-gr <u>Sst</u> occurs 475'-480' and 498'-503; com rose qtz, mnr to abd mic <u>Cl</u> : often slty; Fe-stn com	Upper-Lower Cretaceous	Unit "F"	none
604-660	xtl <u>Tuff</u> : Grnsh gry (5G 6/1); wthd from 604'-636' core taken 658-660	PE or Lower Paleozoic	Carolina Slate Belt	none

WOODVILLE
7.5

