

STATE NORTH CAROLINA COUNTY BRUNSWICK LOCATION 33° 53' 35" N
78° 35' 20" W COMPLETION DATE 2/73
 COMPANY JERRY IDLER USGS - State of North Carolina FARM CALABASH TEST HOLE WELL NO. HH 39 - J2
 SAMPLES WASHED FROM 0 TO 1320 EXAMINED BY B. W. MC NEELY DATE 1975

REMARKS:

TYPE OF SAMPLES: C - CUTTINGS S - SIDEWALL CORES V - CONVENTIONAL CORES

	FROM	TO	FORMATION	DESCRIPTION
C	35	70		LATE TERTIARY WITH REWORKED LATE CRETACEOUS PLANKTONICS. TERTIARY = INNER NERITIC
C	70	100		PROBABLE TOP LATE CRETACEOUS - EARLY TO MIDDLE MAESTRICHTIAN MIDDLE NERITIC
C	100	±220		IN EARLY MAESTRICHTIAN - PROBABLE UPPER TAYLOR EQUIVALENT MIDDLE NERITIC
C	±220	1190		AGE NOT DETERMINED SHALLOW MARINE TO NON-MARINE
C	1190	1320 TD		AGE NOT DETERMINED - NO FAUNA PROBABLE NON-MARINE

33° 53' 35" N
78° 35' 20" W

Brunswick Co., N.C.
St. of N. C. - Calabash Test HH-39-J2

Listed below are palynological results obtained from cutting samples.

- 50' - At/In Maastrichtian
- 200' - At/In Campanian
- 680' - In Santonian
- 830' - Poss. At/In Coniacian
- 950' - In Coniacian
- 1250' - Poss. weak At/In Turonian

A. F. Tesch
Shell Oil Company
11-5-76

NC-BR-F-7

(P. 1)

- 0-17 Sand and gravel, sd F-VC and gravel, white, silty w. S.A. & R,
poorly sorted and pebbled quartz grains. Tr of lig +/- other humus.
- 17-23 Sand, white, F-M, SA-SR quartz, polished fr. common; fairly well sorted
tr of phos.
- 23-35 Sand, off white (NB) F-C, SA-SR, poorly sorted quartz, Tr of phos.
- 35-50 Coprolite & shell hard - mostly pelecypod + gastropod shell frag. & whole shells.
About 20 percent coarse sand and gravel, quartz. SA-SR.
- 50-62 Limestone, skeletal, detrital - grey to white shell frag extremely abundant
dwarf nautilus shells abundant; qtz gravel common
- 62-70 Limestone, skeletal, micritic. white & tan sh frag. w. coarse qtz sand; about 35 percent
med. grey (N5) clay. Tr of phos. and forams.
- 70-80 Clay, med. grey (N5), silty to sandy, calcareous; about 20 percent fine uli qtz sd
gr. A-SA. Microfauna common. Sh. frag. common. Tr. of mica, fgr., & calcite
- 80-90 Do
- 90-100 Do, but sd only about 10 percent.
- 100-110 Clay, med-dk grey (N4), ^{silty} micaceous, calcareous, w/lt-e, SR, polished qtz gr.
_{+ ostracods}
Robulus and other forams; tr. of fgr. & phos. Glauc. fairly common
- 110-120 Do
- 120-130 No sample
- 130-140 Do
- 140-150 Do. Forams numerous
- 150-160 Do
- 160-170 Do - microfauna extremely abundant.
- 170-180 No med gr (N4) sh. frag.
- 180-190 Do

semi-ind.

- 190-200 Micritic detrital ls., silty, micaceous, w/ extremely abundant microfossils & fine calc. grains
- 200-210 Do w/ lg. frags of gray to pale brown glauc. phos. ls.
- 210-220 Do
- 220-230 Do - but micrit w/ ab. 10 percent C gr. SA-SR clean dtz, much larger glauc. gr., tr of sh, pyr., amber, forams & ostracods
- 230-240 Do - coarse dtz gr - inc. in glauconite
- 240-250 Do - w/ frag. of tan dol. ls.
- 250-260 Do (?) Washed & unwashed samples appear dissimilar. Unwashed is a micritic det. ls. whereas washed sample is a white m-c. dtz sd.
- 260-270 Clay, med. gray, calc./n micritic detrital ls. - dtz gr F-VG A-SR, glauc. forams & ostracods common, tr of pyr. phos. & amber.
- 270-280 Do
- 280-290 Do - about 35 percent dtz grains,
- 290-300 Do - but only tr of forams & ostracods.
- 300-310 Do
- 310-320 Do - ~~med. gray~~
- 320-330 Sand, white, F-M-SA-clartz, phos & glauc. very common. 35 percent gray calc. clay. Tr pyr. sh. frag, mica & forams.
- 330-340 Do - w/ frag of sandy glauc. ls.
- 340-350 (As 260-270) Tr. of forams & ostracods, lignite
- 350-360 (As 320-330) Lg sh + ls frag. abundant.
- 360-370 Do - but sh + ls frag very rare
- 370-380 Do
- 380-390 Do
- 390-400 Do - forams common, Tr acaninths & sponges

400-410 Do

410-420 Do

420-430 Clay n shale, calcareous silt to sandy, dk. gray (N5), micaceous; 15 percent white F-C, SA-SR quartz. Glauconite & planolites rare to common. Shale frag. fairly common. Tr of pyr. Ostracods & forams. Mvel of above very similar

430-440 Sand, micritic, white, F-C, SA & SR quartz about 60 percent. Calc mud is micaceous. Glauconite & sh frag. fairly common. Tr of pyr. plan. forams & ostracods, lg.

440-450 (As 420-430) Megascopically a dark gray sandy, calc. mica. clay.

450-460 - Do - Qtz finer - more microfams.

460-470 - Do

470-480 - Do

480-490 - Do but Qtz dup to ^{ab.} 10 percent

490-500 Do - 19. shark's tooth

500-510 (as 430-440)

510-520 Do

520-530 Do

530-540 Do

540-550 Do - crinoid frag.?

550-560 Do - very small forams fairly common

560-570 Do " " " abundant.

570-580 Do

580-590 Do

600-610 Clay or shale, slightly calc., silt to sandy, dk gray (N3) & dk brn., 40 percent F-VC, SA-SR w/ Qtz sand. Glauconite & planolites fairly common Tr of pyr. red & pink Qtz. Forams & ostracods. (white ^{dipyramida} crystals of gypsum or washing powder common)

BR-T-7

D-4

- see note @ 850-860' → contaminated?
- 610-620 Clayey Sand, white to red grey (NS), ^{stave common, fr of pyr, liq, sh frag. + red siltstone} dtz SA-SR, F-C, comprising about 70 per cent, wh XI's common,
- 620-630 Do - but white gypsum has been altered to non-crystalline form
- 630-640 Do - frag of red silt stone and mudstone fairly common, white gypsum ^{very} common, ^{micro fauna} common ^{contaminant (?)}
- 640-650 Do - Tr liq, sid. + pink dtz. Microfauna fairly common
- 650-660 Do
- 660-670 Do
- 670-680 Do Tr. microfossils
- 680-690 Clayey sand or sandy clay, mud about composition
- 690-700 Do
- 700-710 Do
- 710-720 Clay, red grey (NS); about 30 per cent wh F-C SA-SR dtz sd., glau, pyr, liq, wh XI, gypsum ^(contaminant?)
- 720-730 Do - ab. 20 per cent sd.
- 730-740 Do - ab. 10 per cent sd. - semi plastic clay
- 740-750 Do. Tr. nautilus + ppt.
- 750-760 Do Tr. fauna, anchor.
- 760-770 Do
- 770-780 Do Tr. nautilus, ostracods
- 780-790 Do Tr. fauna
- 790-800 Do - but silty to slightly sandy
- 800-810 Do
- 810-820 Do
- 820-830 Do
- 830-840 Do
- 840-850 Do

850-860

Note: Unwashed samples 600-840 were stored wet in plastic bags. Every one of these samples contained abundant crystals of white gypsum. However, beginning with 850-860, the unwashed samples are stored dry, and the gypsum disappears. Therefore, it must be an artifact to the true sample.

Sand and clay, med. gray (N5); ^{micaceous} 55 percent F-VL, sub-ang to sub-rd fltz sand, shell frag. common; tr. glau, phos., lig, and microfossils

860-870

Do - best micr abundant.

870-880

Do - micr. fauna fairly common.

880-890

Do

890-900

Do

900-910

Clay and sand, med gray (N5) micaceous, about 40 percent F-VL w/ fltz sd, SA-SR. Micr. fauna.

910-920

Do -

920-930

Do - glauc. fairly common

930-940

Do "

940-950

Do.

950-960

Do - pink fltz gr very rare

960-970

Clay, med gr (N5), micaceous, silty, w < 5% fltz sd, SR-MC.

970-980

Do but slightly more c. sd., frags of calc. & shell. Scattered med pink fltz gr. Tr. glauc. pyr & lig.

980-990

Do

990-1000

Do Tr. bivalvia

1000-1010

Clay, gray (N5), micaceous, w/ 40 percent white, pink & rose quartz, and feldspar sd fltz fr M-C to gravel. ^{SR+SA} Scattered sh. frag. Tr. of phos, s. interb, pyr. + ostracods

1010-1020

Do

- 1020-1030 Sand and gravel, Qtz grains SA, white, pink + rose, some Mn-oxide stain on clear Qtz., Feldspar wh to pink, Tr. of hematite, bios. + pyr.
- 1030-1040 (No sample)
- 1040-1050 Do
- 1050-1060 Do
- 1070-1080 Silty to sandy clay, grey (N5) micaceous. About 45% F-VC arkosic wh sd w. scattered pink Qtz grains Tr of pyr, sib., phos. + hematite, glauc. + sh frag.
- 1080-1090 Do
- 1090-1100 Do
- 1100-1110 Do
- 1100-1120 Do
- 1120-1130 Do, w/ scattered pieces of tan (10-12%) and brick-red clay.
- 1130-1140 Do
- 1140-1150 Do, tr of forams + ostracods - slightly finer grain of Qtz - lesser amt of Feldspar.
- 1150-1160 Do. but resembles Austin Sandstone
- 1160-1170 Do
- 1170-1180 Sand and gravel, white to off-white, with scattered tan, pink + red gr, SA-SR-90 fine Qtz, 10% fine feldspar, tr. pyr + mica, sib., glauc., hemat., phos.; scattered shell frag.
- 1190-1200 Sand and gravel, ^{mostly} M-VC Qtz + feldspar sd, wh, pink, ^{SA & SR,} red stain, w/ abundant fragments of red and brown sandy clay or shale. Tr. of siderite, mica, hematite + phosphates.
- 1200-1210 Do - some pebbles > 8 mm in length
- 1210-1220 Do
- 1220-1230 Do
- 1230-1240 Do
- 1240-1250 Do
- 1250-1260 Do

- 1260-1270 Sand, F-M, wh, w. numerous gr. w/ 1 tan / micaceous stain, feldspars common,
gr. SA-SR. Scattered rose or red stain of ss a siltstone. VC & gravel size pits
fz rare. Tr. of mica, hem. & dolomite
- 1270-1280- Do - w. gravel size fza common
- 1280-1290 (As in 1250-1260)
- 1290-1300 Do
- 1300-1310 Ds - Heavy iron staining - but sub-rounded fza grains common.

T.D. 1310'

LITHOLOGIC LOG (continuation sheet)

#4
-39,j2

1 Page 1 of 8

Well No.: Field _____

Office _____

Tommy Gardner as Rep

Calabash #1
Brunswick Co.

BR-T-4-72 USGS

Depth-1180	Dia. 4 inches	Description	Depth (feet)		Thickness (feet)
			from	to	
		SAND, white - ^{light} gray; 90% fine-medium grained subrounded to subangular quartz sand. 10% gray clay matrix, semi-consolidated. traces of ^{brown} phosphate + green glauconite.	0	17	
		SAND, white; 100% fine grained, subrounded to subangular quartz sand. Traces of brown phosphate + green glauconite.	17	23	
		SAND, white; Same as 17-23 interval but contains about 10% light gray semi-consolidated gray clay.	23	35	
		^{shell} sand			
		Marl, Buff. light gray; 15% fine-medium grained quartz sand. 75% coarse broken-whole shells + limestone fragments. 10% calcareous clay matrix; unconsolidated.	35	50	
		Same as 35-50	50	62	
		SAME as 35-50; shells are more fragmentary.	62		

DEC 7 1973
GROUND WATER DIVISION
RALEIGH, N. C.

BR-T-4-72

Description	Depth (feet)		Thickness (feet)
	from	to	
clay, gray; sticky ^{Micaceous} clay with traces of coarse shell fragments.	70	80	
clay, gray; same as 70-80 interval.	80	90	
clay, gray; same as 70-80 interval.	90	100	
clay, gray; same as 70-80 interval.	100	110	
clay, gray; same as 70-80 interval.	110	120	
clay, gray; same as 70-80 interval.	120	130	


 DEC 7 1973
 GROUND WATER DIVISION
 RALEIGH, N. C.

LITHOLOGIC LOG (continuation sheet)

Calabash

Well No.: Field _____

Office _____

USGS _____

BR-T-4-72

Description	Depth (feet)		Thickness (feet)
	from	to	
clay, gray; same as 70-80 interval	130	140	
clay, gray; same as 70-80 interval	140	150	
clay, gray; same as 70-80 interval	150	160	
" "	160	170	
" "	170	180	
" "	180	190	
" "	190	200	
" "	200	210	
" "	210	220	
" "	220	230	
" "	230	250	
" "	250	260	
" "	260	270	
" "	280	290	
" "	290	300	
" "	300	310	
" "	310	320	
" "	320	330	
clay, gray; same as 70-80 interval → but contains 5-10% shell fragments	330	340	

GROUND WATER DIVISION
DALEIGH, N.C.

DEC 7 1978



Calabash
BR-T-4-72

Well No.: Field _____
 Office _____
 USGS _____

Description	Depth (feet)		Thickness (feet)
	from	to	
Clay, gray; same as 380-390 interval	400	410	
" "	410	420	
" "	420	430	
" "	430	440	
" "	440	450	
" "	450	460	
" "	460	470	
" "	470	480	
" "	480	490	
" "	490	500	
" "	500	510	
" "	510	520	
" "	520	530	
" "	530	540	
" "	540	550	
" "	550	560	
" "	560	570	
" "	570	580	
" "	580	590	
" "	590	600	
" "	600	610	
" "	610	620	
" "	620	630	
" "	630	640	
" "	640	650	
" "	650	660	

GROUND WATER DIVISION
 RALEIGH, N. C.

DEC 7 1973

Calcutush #1

Well No.: Field _____

Office _____

USGS _____

BR-T-4-72

Description	Depth (feet)		Thickness (feet)
	from	to	
Clay, gray; Same as 380-390 interval with about 10-15% more quartz sand.	660	670	
Clay, gray; same as 380-390 interval	670	680	
Clay, gray; same as 660-670 interval	680	690	
Clay, gray; same as 660-670 interval	690	700	
Clay, gray; same as 380-390 interval	700	710	
	710	720	
	720	730	
	730	740	
	✓ 740	750	
Clay, gray; same as 380-390 interval	750	760	
	760	770	
	770	780	
	780	790	
	790	800	

GROUND WATER DIVISION
RALEIGH, N. C.

DEC 2 1973

Calatash

BR-T-4-72

Description	Depth (feet)		Thickness (feet)
	from	to	
clay, gray; same as 380-390 interval " " "	800	810	
	810	820	
	820	830	
	830	840	
	840	850	
	850	860	
" " "	860	870	
	870	880	
	880	890	
	890	900	
	900	910	
	910	920	
" " "	920	930	
	930	940	
	940	950	
	950	960	
SAME but clay more consolidated → clay, gray; same as 380-390 interval but contains about 10% shell fragments, quartz sand + mica flakes.	960	970	
	970	980	
clay, gray; same as 970-980 interval but about 50% more multiple colored (red, pink, orange, brown) quartz sand. Minor amounts of shell fragments + glauconite, " " "	980	990	
	990	1,000	
clay, gray; 70% gray micaceous clay, semi- consolidated. 25% fine - medium grained, multiple colored quartz sand. 5% quartz hematite aggregates, feldspar, glauconite, pyrophyllite & shell fragments. " " "	1,000	1,010	
	1,010	1,020	
sand + clay; 75% medium-coarse grained, angular, multiple colored quartz sand. 25% gray, micaceous, semi-consolidated clay. Minor amounts of glauconite, feldspar + shell fragments.	1,020	1,030	

GROUND WATER DIVISION
RALEIGH, N. C.

DEC 7 1973

BR-T-4-72

Calatash

Well No.: Field _____
Office _____
USGS _____

Description	Depth (feet)		Thickness (feet)
	from	to	
SAND + clay; Same as 1,020-1,030 interval	1,030	1,040	
SAND + clay; Same as 1,020-1,030 interval but about 10% more ^{calcium} quartz silt.	1,040	1,050	
SAND + clay; Same as 1,020-1,030 interval.	1,050	1,060	
Clay, gray; 80% gray, micaceous semi-consolidated clay. 20% multiple colored, fine - medium grained quartz sand. Minor amounts of glauconite, feldspar + shell fragments.	1,060	1,070	
Clay, gray; Same as 1,000-1,070 interval	1,070	1,080	
Clay, gray; Same as 1,000-1,070 interval but contains about 5-10% clay	1,080	1,090	
	1,090	1,100	

GROUND WATER
 RALEIGH, N. C.
 DEC 7 1973

BR-T-4-72

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LITHOLOGIC LOG (continuation sheet)

Calabash

Well No.: Field _____

Office _____

USGS _____

Description	Depth (feet)		Thickness (feet)
	from	to	
Same as 1,060-1,070 interval →	1,100	1,110	
" " " " →	1,110	1,120	
Same as 1,060-1,070 interval but much more calcination of sand grains. Multiple colors: red, pink, orange + brown. →	1,120	1,130	
" " " "	1,130	1,140	
" " " "	1,140	1,150	
" " " "	1,150	1,160	
" " " "	1,160	1,170	
Sand, multiple colors; 80% fine-coarse granitic, subrounded - subangular quartz sand showing prominent staining. 10% light gray, micaceous clay matrix. 5-10% pyrite, shell fragments, hematite aggregates, phosphate + feldspar.	1,170	1,180	

DEC 7 1973

GROUND WATER DIVISION
RALEIGH, N. C.

2

NORTH CAROLINA
 DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
 OFFICE OF WATER AND AIR RESOURCES
 GROUND WATER DIVISION
 P. O. BOX 27687 - RALEIGH, N. C. 27611

BR-T-4-72

WELL RECORD
 Continuation Sheet

Driller OSCAR HOWARD Reg. No. _____ Well Permit No. _____
 Town CALABASH County Brunswick
 Location NEAR S.C. - N.C. STATE LINE AT CALABASH
 Owner GROUND WATER DIVISION Date 12/8/92

H# 39, j-2

DRILLING LOG

Depth		Formation	Depth		Formation
From	To		From	To	
0	17	SAND, white - light gray 90% fine-medium grained subrounded to subangular quartz sand. 10% gray clay matrix, semi- consolidated. Traces of brown phosphate and green glauconite.	35	70	MARL OR SHELL AND SAND, buff-light gray; 15% fine-medium grained quartz sand. 75% coarse broken-whole shells & limestone fragments. 10% calcareous clay matrix, unconsolidated.
17	23	SAND, white; 100% fine grained, sub- angular quartz sand. Traces of brown phosphate + green glauconite.	70	330	CLAY, gray; sticky micaceous clay with traces of coarse shell fragments.
			330	360	CLAY, gray; same as 70-330 interval but containing 5-10% shell fragments and quartz sand.
23	35	SAND, white; same as 17-23 interval but contains about 10% light gray semi-consolidated gray clay.	360	370	SAND + CLAY; 70% fine grained, subrounded to subangular quartz sand. 20% gray micaceous clay matrix, unconsolidated. 5% shell fragments, glauconite and phosphate.

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 DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
 OFFICE OF WATER AND AIR RESOURCES
 GROUND WATER DIVISION
 P. O. BOX 27687 - RALEIGH, N. C. 27611

HH-39, J-2

WELL RECORD
 Continuation Sheet

Driller _____ Reg. No. _____ Well Permit No. _____
 Town CALABASH County _____
 Location _____
 Owner _____ Date _____

HH 39, J-2

DRILLING LOG

Depth		Formation	Depth		Formation
From	To		From	To	
370	380	SAND + CLAY; SAME AS 360-370 interval but about 10% more clay.	970	980	CLAY, gray; SAME AS 700-970 interval but contains about 10% shell fragments, quartz sand and mica flakes.
380	660	CLAY, gray; 90% gray sticky clay. 5-10% white-clear quartz sand, shell fragments, glauconite and phosphate.	980	1,000	CLAY, gray; SAME AS 970-980 interval but about 50% more multiple colored (red, pin orange, brown) quartz sand. Minor amounts of shell fragments + glauconite.
660	700	CLAY, gray; SAME AS 380-660 interval with about 10-15% more quartz sand.	1,000	1,020	CLAY, gray; 70% gray micaceous clay, semi-consolidated. 25% fine-medium grained, multiple colored quartz sand. 5% hematite aggregate feldspar, glauconite, phosph and shell fragments.
700	970	CLAY, gray; 90% gray sticky clay. 5-10% white-clear quartz sand, shell fragments, glauconite and phosphate.			

NORTH CAROLINA
DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
OFFICE OF WATER AND AIR RESOURCES
GROUND WATER DIVISION
P. O. BOX 27687 - RALEIGH, N. C. 27611

WELL RECORD
Continuation Sheet

HH-39, j-2

BR-T-4-72
Well Permit No.

Driller _____ Reg. No. _____
Town CALABASH County _____
Location _____
Owner _____ Date _____

HH39, j-2 DRILLING LOG

Depth		Formation	Depth		Formation
From	To		From	To	
1020	1060	SAND + CLAY; 75% medium - coarse grained, angular, multiple colored QUARTZ SAND. 25% gray micaceous, semi-consolidated CLAY. MINOR AMOUNTS of glauconite, feldspar and shell fragments	1170	1180	SAND, multiple colors; 80% fine - coarse grained, subrounded - subangular QUARTZ SAND showing prominent staining. 10% light gray, micaceous clay matrix. 5-10% pyrite, shell fragments, hematite aggregates, phosphate and feldspar.
1060	1120	80% gray, micaceous semi-consolidated CLAY. 20% multiple colored, fine-medium grained quartz SAND. MINOR amounts of glauconite, feldspar and shell fragments.			
1120	1170	SAME as 1060-1120 interval but much more coloration of sand grains. multiple colors: red, pink, orange and brown.			

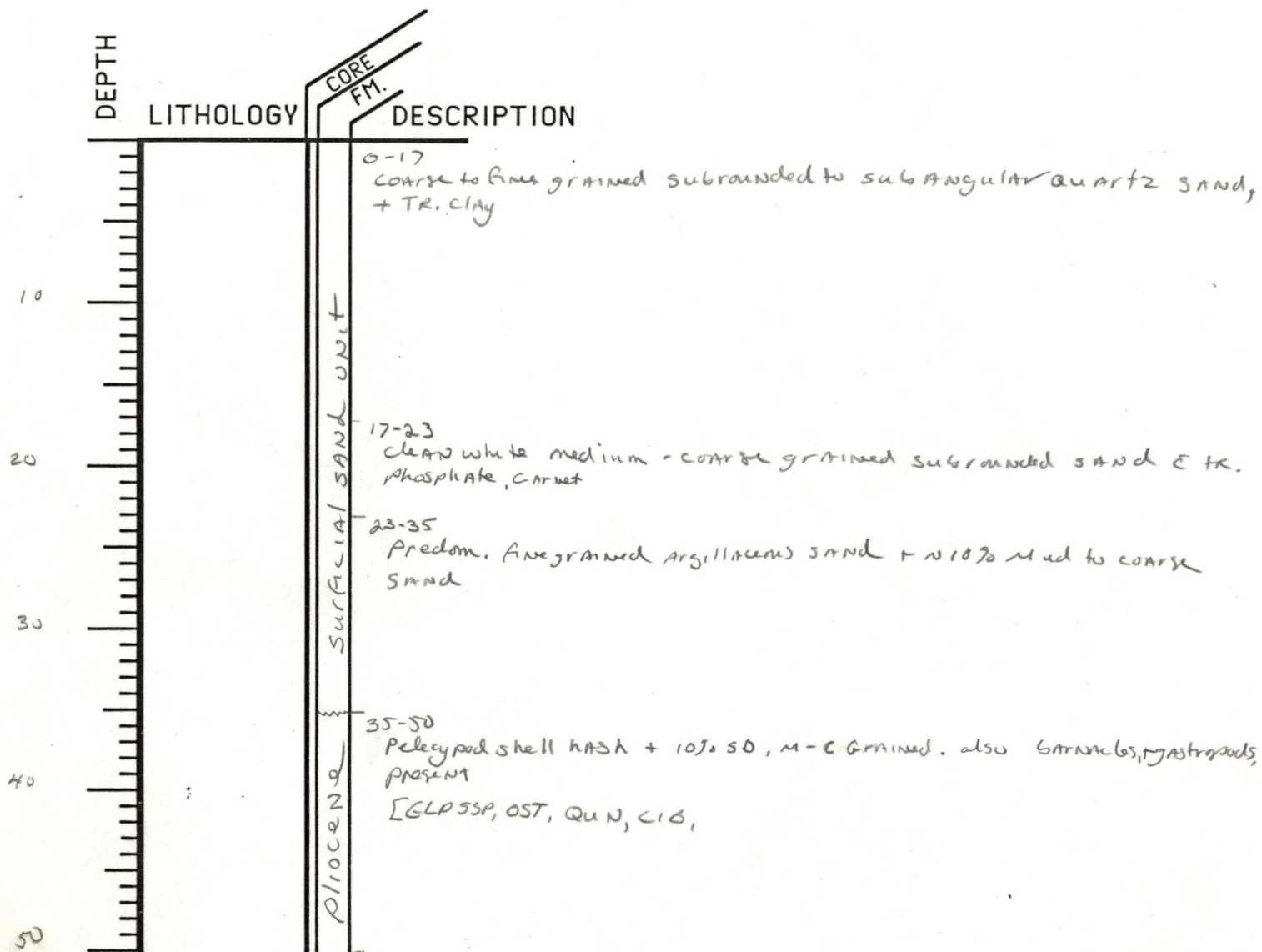
Depth	Type	Genus	Species	Quant	Comments	Hole	Lithology and other comments
35-50		LIB	SSP	C			
		TEX	SSP	C			
		QUN	SSP	A			
		AMT	BCI	A			
		LAG	SP	V			
		ELP	SSP	C			
		OST	SSP	C			
		SLC	SP	V			
		GUT	SP	V			
		HAN	COC	R			
		GCS	SP	R			
		BOL	SSP	N			
		ANG	SP	R			
		BUL	ELS	V			
		DIS	SSP	N			
		GLQ	SP?			1	
		GLN	TLB		+IMM	2	
		GLN	ADB			3	
		GLB	BLD			4	
		GLN	EXT			5	N16-N21
		GLN	RBR			6	
		HXX	STR		RWK	7	
							PLIOCENE

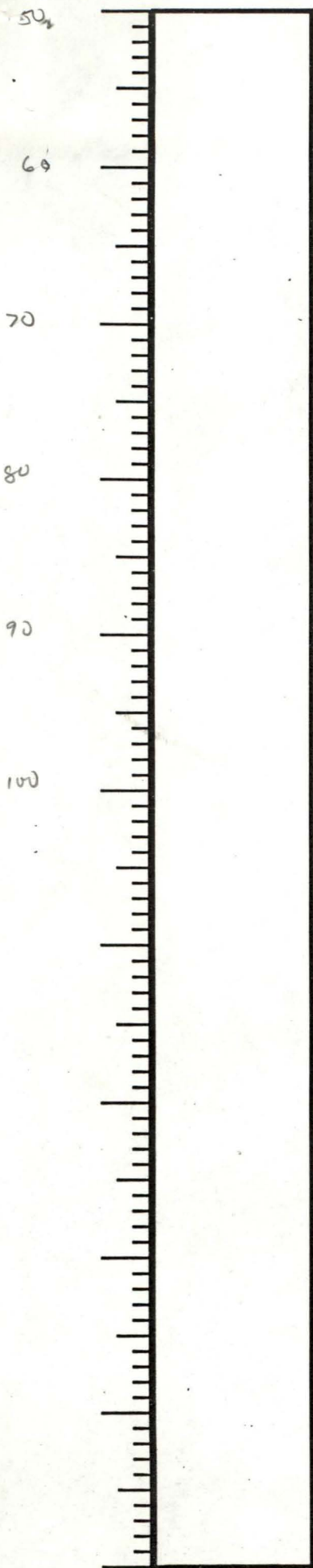
WELL CODE BW-T-4-72

ELEVATION 48'

T.D. 1335'

note. we only have
unwashed samples
0-100 - rest are
probably in Atlanta,
LAT 33° 53' 35"
LONG 78° 35' 20"





0100

50-62
 Light grey to chalky white sandy + shelly
MARL + common shells +
 shell fragments as above

62-76

Lithology as above with 5% med grey slightly sandy, argillaceous
 siltstone

76-80

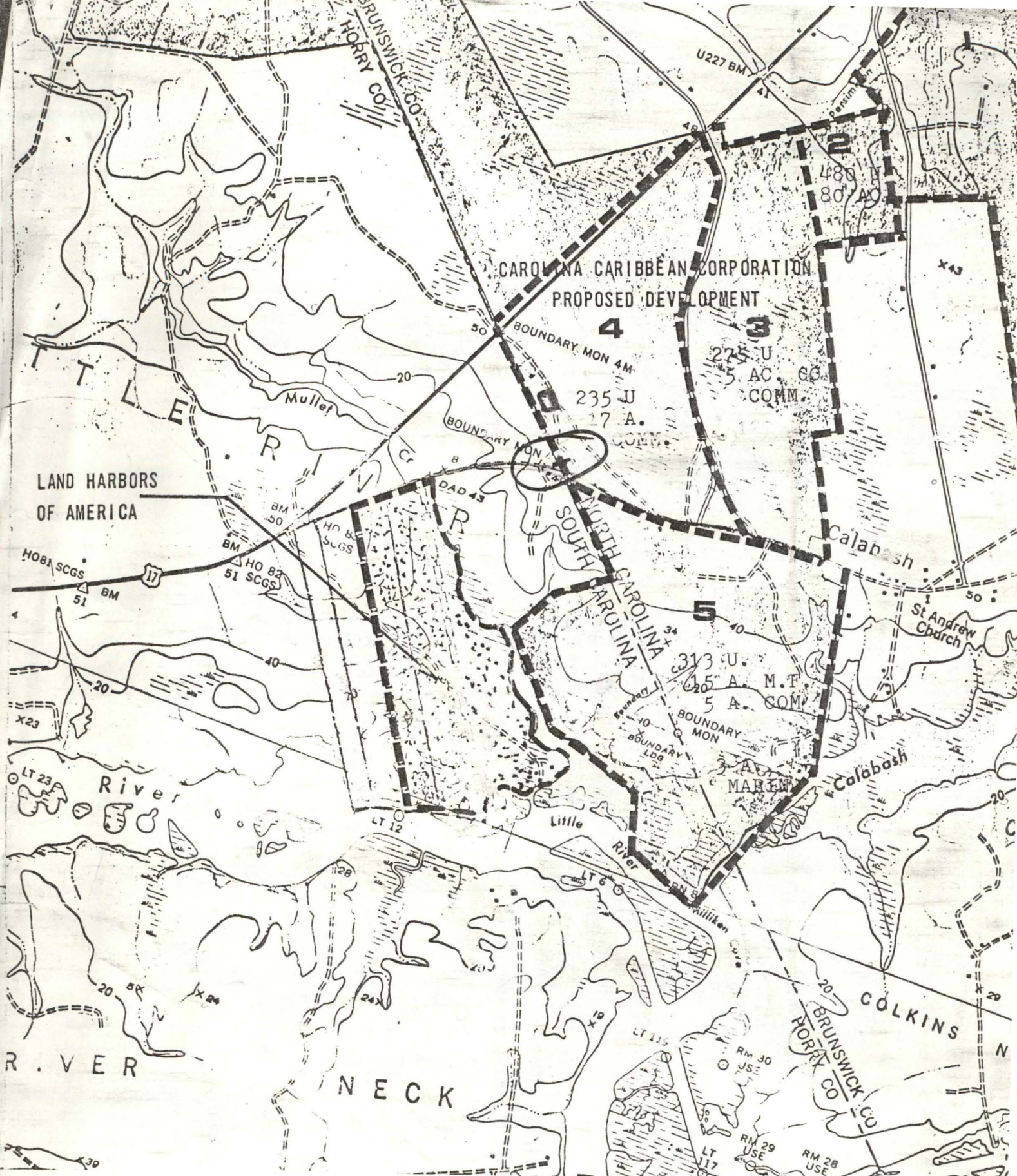
med. grey slightly argill. + sandy siltstone

80-90

Lithology as above - slightly shelly

90-100

Lithology as above



LOCATION MAP
 LAND HARBORS OF AMERICA AND
 CAROLINA CARIBBEAN CORPORATION
 LITTLE RIVER TWP. - HORRY CO., S. C.
 BRUNSWICK COUNTY, N. C.

Frank B. Hicks Assoc.
 Engineers-Surveyors-Planners
 Charlotte, North Carolina

Calabash Research Sta HH39 J- BR-T-4-72

BR-T-4-72

FF



WELL SITE
HH-39

BRUNSWICK
CO.

REVISED	
1-1-61	
1-1-64	
1-1-66	
1-1-68	



SMITH ISLAND

MATCH LINE

BUZZARD BAY

SMITH ISLAND

LITTLE RIVER INLET

MAD INLET

SUNSET BEACH POP. 39

TUBBS INLET

POP. 39

Gause Landing

Segside

COLKINS NECK
Bonaparte Landing

INTRACOASTAL WATERWAY

Little River

Little River

Little River

Little River

COLKINS NECK
Bonaparte Landing

Segside

Gause Landing

TUBBS INLET

SUNSET BEACH POP. 39

MAD INLET

LITTLE RIVER INLET

INTRACOASTAL WATERWAY

Little River

Little River

Little River

Little River