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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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HH-395-2

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; 20% 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.			

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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.			