

LITHOLOGIC WELL LOG PRINTOUT

SOURCE - FGS

WELL NUMBER: W-17463  
TOTAL DEPTH: 8.1 FT.  
14 SAMPLES FROM 0 TO 8.1 FT.

COUNTY - BREVARD  
LOCATION: T.28S R.38E S.21 BC  
LAT = 28D 01M 53S  
LON = 80D 32M 25S  
ELEVATION: 1 FT

COMPLETION DATE: 07/17/96  
OTHER TYPES OF LOGS AVAILABLE - NONE

OWNER/DRILLER: FLORIDA GEOLOGICAL SURVEY-H. FREEDENBERG, B. HIGHLEY, AND  
C. TRIMBLE

WORKED BY: PUSH CORE; DESCRIBED BY TRIMBLE: 10/11/96.

0. - 8.1 090UDSS UNDIFFERENTIATED SAND, CLAY, AND SHELLS
- 0 - 1 SAND; VERY LIGHT ORANGE TO YELLOWISH GRAY  
33% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO VERY COARSE  
ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY  
UNCONSOLIDATED  
SEDIMENTARY STRUCTURES: INTERBEDDED  
ACCESSORY MINERALS: SHELL-30%, HEAVY MINERALS-01%  
LIMESTONE-01%  
OTHER FEATURES: UNWASHED SAMPLE  
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, MILIOLIDS, CORAL  
TERRIGENOUS SAND RICH SEDIMENTS INTERBEDDED WITH SHELL RICH  
LAYERS. 15-45% VERY FINE SAND TO GRAVEL SIZE SUBANGULAR TO  
ROUNDED SHELL DEBRIS.
- 1 - 2 SAND; VERY LIGHT ORANGE TO LIGHT YELLOWISH ORANGE  
35% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO VERY COARSE  
ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY  
UNCONSOLIDATED  
SEDIMENTARY STRUCTURES: INTERBEDDED  
ACCESSORY MINERALS: SHELL-45%, LIMESTONE-02%  
HEAVY MINERALS-01%  
OTHER FEATURES: UNWASHED SAMPLE  
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, MILIOLIDS, CORAL  
45% SHELL DEBRIS, AS ABOVE.
- 2 - 3 SAND; VERY LIGHT ORANGE TO LIGHT YELLOWISH ORANGE  
33% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO VERY COARSE  
ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY  
UNCONSOLIDATED  
SEDIMENTARY STRUCTURES: INTERBEDDED  
ACCESSORY MINERALS: SHELL-18%, HEAVY MINERALS-03%  
LIMESTONE-02%  
OTHER FEATURES: UNWASHED SAMPLE  
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, MILIOLIDS, CORAL  
INTERBEDDED TERRIGENOUS SAND AND SHELL AS ABOVE, 2-3 CM  
BANDS OF HEAVY MINERAL RICH SEDIMENTS OCCUR THROUGHOUT THE  
INTERVAL, SHELL DEBRIS RANGES FROM 10-25%, SHELL FRAGMENTS  
ARE SUBROUNDED TO ROUNDED, AND VERY FINE SAND TO GRAVEL  
SIZED.

- 3 - 4 SAND; VERY LIGHT ORANGE TO LIGHT YELLOWISH ORANGE  
35% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO COARSE  
ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY  
UNCONSOLIDATED  
SEDIMENTARY STRUCTURES: INTERBEDDED  
ACCESSORY MINERALS: SHELL-35%, HEAVY MINERALS-03%  
LIMESTONE-02%  
OTHER FEATURES: UNWASHED SAMPLE  
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, MILIOLIDS, CORAL  
INTERBEDDED TERRIGENOUS SANDS AND SHELL DEBRIS, AS ABOVE  
HEAVY MINERALS CONTINUE TO BE SEGREGATED INTO 2-3 CM THICK  
LENSES A FEW WHOLE, LARGE MOLLUSK VALVES.
- 4 - 5 SAND; VERY LIGHT ORANGE TO LIGHT YELLOWISH ORANGE  
35% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO COARSE  
ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY  
UNCONSOLIDATED  
SEDIMENTARY STRUCTURES: INTERBEDDED  
ACCESSORY MINERALS: SHELL-50%, HEAVY MINERALS-01%  
LIMESTONE-03%  
OTHER FEATURES: UNWASHED SAMPLE  
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, ECHINOID, MILIOLIDS  
CORAL  
50% SHELL DEBRIS AS ABOVE, SHARPLY DECREASING AMOUNTS OF  
TERRIGENOUS SANDS, INCLUDING HEAVY MINERALS.
- 5 - 6 SAND; VERY LIGHT ORANGE TO YELLOWISH GRAY  
33% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO VERY COARSE  
ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY  
UNCONSOLIDATED  
SEDIMENTARY STRUCTURES: INTERBEDDED  
ACCESSORY MINERALS: SHELL-20%, LIMESTONE-03%  
OTHER FEATURES: UNWASHED SAMPLE  
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, CORAL  
20% SILT TO GRANULE SHELL DEBRIS, <1% HEAVY MINERALS  
OTHERWISE AS ABOVE
- 6 - 7 SAND; VERY LIGHT ORANGE TO YELLOWISH GRAY  
33% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO VERY COARSE  
ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY  
UNCONSOLIDATED  
SEDIMENTARY STRUCTURES: INTERBEDDED  
ACCESSORY MINERALS: SHELL-30%, HEAVY MINERALS-02%  
LIMESTONE-02%  
OTHER FEATURES: UNWASHED SAMPLE  
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, MILIOLIDS, CORAL  
ECHINOID  
15-60% SHELL DEBRIS: INTERBEDDED TERRIGENOUS SAND DOMINATED  
AND SHELL DOMINATED LAYERS, HEAVY MINERALS ARE NOT PRESENT  
IN LAYERS HAVING THE MOST SHELL, SHELL DEBRIS IS VERY FINE  
SAND TO GRANULE SIZE, AND ROUNDED IN SHELL POOR LAYERS, AND  
MUD TO GRAVEL SIZE AND SUBANGULAR IN SHELL RICH LAYERS.

7 - 8.1 SAND; GRAYISH ORANGE TO GRAYISH BROWN  
01% POROSITY: POSSIBLY HIGH PERMEABILITY  
GRAIN SIZE: FINE; RANGE: VERY FINE TO COARSE  
ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
SEDIMENTARY STRUCTURES: INTERBEDDED  
ACCESSORY MINERALS: SHELL-15%, HEAVY MINERALS-03%  
LIMESTONE-01%  
OTHER FEATURES: UNWASHED SAMPLE  
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, CORAL  
PARTIALLY CEMENTED, HEAVY MINERAL CONTENT INCREASES  
OTHERWISE AS ABOVE.

8.1 TOTAL DEPTH