

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

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

ELEVATION: 1 FT

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