

LITHOLOGIC WELL LOG PRINTOUT

SOURCE - FGS

WELL NUMBER: W-17461
TOTAL DEPTH: 8.3 FT.
9 SAMPLES FROM 0 TO 8.3 FT.

COUNTY - BREVARD
LOCATION: T.27S R.37E S.12 DA
LAT = 28D 09M 13S
LON = 80D 35M 02S
ELEVATION: N/A FT

COMPLETION DATE: 07/16/96
OTHER TYPES OF LOGS AVAILABLE - NONE

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

WORKED BY: PUSH CORE, DESCRIBED BY C. TRIMBLE, 10/4/96

0. - 8.3 090UDSS UNDIFFERENTIATED SAND, CLAY, AND SHELLS
- 0 - 1 SAND; PINKISH GRAY TO YELLOWISH GRAY
30% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO COARSE
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
SEDIMENTARY STRUCTURES: INTERBEDDED
ACCESSORY MINERALS: SHELL-25%
OTHER FEATURES: UNWASHED SAMPLE
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, CORAL, ECHINOID
INTERBEDDED TERRIGENOUS SANDS WITH SHELL DEBRIS, ABOUT 25%
SHELL, MOSTLY MOLLUSK FRAGMENTS, A VERTEBRATE (SHARK
TOOTH) FRAGMENT, <1% OF LARGER, ROUNDER SAND GRAINS ARE
FROSTED, SHELL VARIES FROM SUBANGULAR TO ROUNDED, <1% HEAVY
MINERALS.
- 1 - 2 SAND; PINKISH GRAY TO YELLOWISH GRAY
30% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE
ROUNDNESS: SUB-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, CORAL, MILIOLIDS
ABOUT 30% SHELL AS ABOVE, A FEW OF THE LARGER FRAGMENTS
HAVE BORINGS, A FEW FRAGMENTS OF OF WEAKLY CEMENTED SANDY
LIMESTONE.
- 2 - 3 SAND; PINKISH GRAY TO YELLOWISH GRAY
30% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE
ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
SEDIMENTARY STRUCTURES: INTERBEDDED
ACCESSORY MINERALS: SHELL-45%, HEAVY MINERALS-01%
LIMESTONE-01%
OTHER FEATURES: UNWASHED SAMPLE
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, CORAL, MILIOLIDS
ABOUT 45% SUBANGULAR TO ROUNDED SHELL, RANGING IN SIZE FROM
VERY FINE GRAINED TO VERY COARSE GRAINED, OTHERWISE AS

ABOVE.

- 3 - 4 SAND; PINKISH GRAY TO YELLOWISH GRAY
30% 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-15%, HEAVY MINERALS-02%
OTHER FEATURES: UNWASHED SAMPLE
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, CORAL
ABOUT 15% CLAY SIZE TO GRANULE SIZE SHELL, MOSTLY MOLLUSK
AS ABOVE, CLAY SIZED FRACTION IS COMPOSED OF CARBONATE MUD.
- 4 - 5 SAND; VERY LIGHT ORANGE
30% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO COARSE
ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
SEDIMENTARY STRUCTURES: INTERBEDDED
ACCESSORY MINERALS: SHELL-50%, HEAVY MINERALS-02%
LIMESTONE-02%
OTHER FEATURES: UNWASHED SAMPLE
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS
ABOUT 45% SHELL DEBRIS, AS ABOVE.
- 5 - 6 SAND; VERY LIGHT ORANGE TO GRAYISH ORANGE
25% POROSITY: INTERGRANULAR
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-02%
LIMESTONE-25%
OTHER FEATURES: UNWASHED SAMPLE
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, MILIOLIDS
30-50% SHELL, RANGING FROM CLAY SIZE TO GRANULE SIZE, A FEW
WHOLE MOLLUSK VALVES, <1-2% HEAVY MINERALS, ABOUT 25%
LIMESTONE FRAGMENTS, A FEW WELL INDURATED, BUT MOST WEAKLY
CEMENTED WITH CARBONATE MUD
- 6 - 7 SAND; GRAYISH ORANGE
25% POROSITY: INTERGRANULAR
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE
ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
SEDIMENTARY STRUCTURES: INTERBEDDED
ACCESSORY MINERALS: SHELL-30%, LIMESTONE-25%
OTHER FEATURES: UNWASHED SAMPLE
FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS
BETWEEN 10-25% WELL TO POORLY INDURATED GRAINSTONE
FRAGMENTS, RANGING FROM GRANULE TO COBBLE SIZE, 15 - 30 %
SHELL DEBRIS: CLAY TO GRANULE SIZE SHELL HASH, MOST GRAINS
COATED WITH LIME MUD.
- 7 - 8.3 LIMESTONE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR

GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE
35% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-20%
OTHER FEATURES: UNWASHED SAMPLE
FOSSILS: FOSSIL FRAGMENTS
20% LOOSE TERRIGENOUS SAND, < 1% HEAVY MINERALS. THESE
SANDS ARE ANGULAR TO SUROUNDED, MEDIUM SPHERICITY.

8.3 TOTAL DEPTH