

LITHOLOGIC WELL LOG PRINTOUT

SOURCE - FGS

WELL NUMBER: W-17790  
TOTAL DEPTH: 118 FT.  
4

COUNTY - DADE99  
LOCATION: T.52S R.39E S.

SAMPLES - NONE  
36S

LAT = 25D 56M

LON = 80D 26M

32S

COMPLETION DATE: 18/ 6/96  
OTHER TYPES OF LOGS AVAILABLE - NONE

ELEVATION: 5 FT

OWNER/DRILLER:SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WORKED BY:CINDY FISCHLER. SFWMD GEOPHY # 025000019 025-16 DLBS-5 PENNSUCO  
FLA. PLANAR X 683110 STATE COORD. Y 585459 ACTUAL CORE FOOTAGE IS LESS  
THAN INTERVAL GIVEN. EX. 0-3FT. CONSISTS OF ABOUT 6 INCHES OF SAMPLE.

0. -118 . 121PCPC PLIOCENE-PLEISTOCENE

0 - 5 LIMESTONE; GRAYISH BROWN TO MODERATE GRAY  
10% POROSITY: INTERGRANULAR, MOLDIC  
GRAIN TYPE: CALCILUTITE, SKELETAL, CRYSTALS  
50% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO GRAVEL  
GOOD INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT  
ACCESSORY MINERALS: QUARTZ SAND- 5%, SPAR-10%  
ORGANICS- 2%  
OTHER FEATURES: MEDIUM RECRYSTALLIZATION  
FOSSILS: MOLLUSKS  
GASTROPODS. CALCAREOUS SILT COATS LIMESTONE. SPARRY

CALCITE

FILLS FRACTURES AND HAS REPLACED SOME ALLOCHEMS.

5 - 7 CLAY; DARK YELLOWISH BROWN TO OLIVE GRAY  
5% POROSITY: INTERGRANULAR; MODERATE INDURATION  
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX  
ORGANIC MATRIX  
ACCESSORY MINERALS: PEAT-35%, LIMESTONE-10%, SHELL-15%  
QUARTZ SAND- 3%  
FOSSILS: MOLLUSKS  
GASTROPODS. FEW PIECES OF LIMESTONE AS ABOVE AND

LIMESTONE

FRAGMENTS IN THE PEATY CLAY.

7 - 12 LIMESTONE; YELLOWISH GRAY TO GRAYISH BROWN  
10% POROSITY: INTERGRANULAR, MOLDIC, INTERCRYSTALLINE  
GRAIN TYPE: SKELETAL, PELLET, BIOGENIC  
70% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT  
ACCESSORY MINERALS: SPAR-30%

OTHER FEATURES: HIGH RECRYSTALLIZATION  
FOSSILS: CORAL, MOLLUSKS  
GASTROPODS, CLAM CAST. LITHOLOGY VARIES: RECRYSTALLIZED  
CORAL; RECRYSTALLIZED PACKSTONE; PACKSTONE WITH  
CRYSTALLINE  
MATRIX AND CHALKY ALLOCHEMS; AND CHALKY LIMESTONE.  
CALCAREOUS SILT COATS PIECES. MANY PIECES APPEAR TO HAVE  
AN  
OOLITIC FABRIC.

12 - 15 LIMESTONE; YELLOWISH GRAY  
10% POROSITY: INTERGRANULAR, MOLDIC, INTERCRYSTALLINE  
GRAIN TYPE: SKELETAL, CRYSTALS, PELLET  
70% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO GRAVEL  
GOOD INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT  
ACCESSORY MINERALS: SPAR-50%  
OTHER FEATURES: HIGH RECRYSTALLIZATION  
FOSSILS: CORAL  
LARGE DISSOLUTION VOIDS (PROBABLY BRYOZOAN MOLDS) FILLED  
OR  
COATED WITH DRUSY CALCITE AND MICRITE. OOLITIC FABRIC  
PRESENT IN SOME PIECES. MANY LARGE RECRYSTALLIZED SHELLS.

15 - 17 SILT; LIGHT OLIVE GRAY  
POOR INDURATION  
CEMENT TYPE(S): CLAY MATRIX, CALCILUTITE MATRIX  
ACCESSORY MINERALS: LIMESTONE-10%, SHELL-10%, CLAY-15%  
QUARTZ SAND-20%  
FOSSILS: MOLLUSKS, CORAL

17 - 27 LIMESTONE; YELLOWISH GRAY TO VERY LIGHT ORANGE  
8% POROSITY: INTERGRANULAR, MOLDIC, INTERCRYSTALLINE  
GRAIN TYPE: CALCILUTITE, SKELETAL, BIOGENIC  
70% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO GRAVEL  
GOOD INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT  
SEDIMENTARY STRUCTURES: MOTTLED  
ACCESSORY MINERALS: SPAR-15%, QUARTZ SAND-25%  
OTHER FEATURES: HIGH RECRYSTALLIZATION  
FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA  
LITHOLOGY VARIES: MORE CRYSTALLINE LIMESTONE MOTTLED WITH  
A  
SOFTER LESS CRYSTALLINE LIMESTONE WITH MOLDS OF ROOT  
TUBULES; AND A POORLY INDURATED SOFT SANDY LIMESTONE.  
RECRYSTALLIZED CLAM CAST.

27 - 33 LIMESTONE; YELLOWISH GRAY TO LIGHT GRAY  
8% POROSITY: INTERGRANULAR, MOLDIC, INTERCRYSTALLINE  
GRAIN TYPE: CALCILUTITE, SKELETAL, CRYSTALS  
80% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO GRAVEL

GOOD INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT  
SEDIMENTARY STRUCTURES: MOTTLED  
ACCESSORY MINERALS: SPAR-30%, QUARTZ SAND-15%  
OTHER FEATURES: MEDIUM RECRYSTALLIZATION  
FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA  
GASTROPOD AND CLAM CAST AND MOLDS. HIGHLY MOLDIC MOTTLED  
WITH POSSIBLE ROOT TRACES AND BURROWS. MEDIUM TO HIGH  
RECRYSTALLIZATION.

33 - 35 LIMESTONE; YELLOWISH GRAY  
8% POROSITY: INTERGRANULAR, MOLDIC  
GRAIN TYPE: CALCILUTITE, SKELETAL, CRYSTALS  
50% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT  
ACCESSORY MINERALS: SPAR-35%, QUARTZ SAND-20%  
OTHER FEATURES: MEDIUM RECRYSTALLIZATION  
FOSSILS: BENTHIC FORAMINIFERA, MOLLUSKS  
SANDY MICROCRYSTALLINE MICRITE.

35 - 60 LIMESTONE; YELLOWISH GRAY TO WHITE  
15% POROSITY: INTERGRANULAR, MOLDIC, VUGULAR  
GRAIN TYPE: CALCILUTITE, SKELETAL, CRYSTALS  
60% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT  
ACCESSORY MINERALS: SPAR-20%, QUARTZ SAND-40%  
OTHER FEATURES: LOW RECRYSTALLIZATION  
FOSSILS: BENTHIC FORAMINIFERA, MOLLUSKS  
VERY SANDY LIMESTONE BORDERING TO A CALCAREOUS SANDSTONE.  
LOWER PART OF CORE HAS ABUNDANT CLAM AND GASTROPOD MOLDS  
AND CAST AND IS SLIGHTLY LESS SANDY. SAND IS FINE TO

MEDIUM

GRAINED. INTERVAL BECOMES MORE RECRYSTALLIZED WITH DEPTH.

60 - 65 LIMESTONE; YELLOWISH GRAY TO WHITE  
10% POROSITY: INTERGRANULAR, MOLDIC  
GRAIN TYPE: CALCILUTITE, SKELETAL, CRYSTALS  
50% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: MICROCRYSTALLINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT  
ACCESSORY MINERALS: SPAR-30%, QUARTZ SAND-40%  
OTHER FEATURES: MEDIUM RECRYSTALLIZATION  
FOSSILS: CORAL, BENTHIC FORAMINIFERA, MOLLUSKS  
TRACE OF PHOSPHATE. SANDY LIMESTONE VARIES TO CALCAREOUS  
SANDSTONE. CORAL IS RECRYSTALLIZED.

65 - 73 SAND; YELLOWISH GRAY  
10% POROSITY: INTERGRANULAR, MOLDIC  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM

ROUNDNESS: ANGULAR TO SUB-ANGULAR; LOW SPHERICITY  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT  
ACCESSORY MINERALS: PHOSPHATIC SAND- 3%, SHELL- 3%  
SPAR-20%, LIMESTONE-30%  
FOSSILS: MOLLUSKS, CORAL, OSTRACODS, WORM TRACES  
PHOSPHATE IS VERY FINE GRAINED. LITHOLOGY VARIES:  
CALCAREOUS, PHOSPHATIC SANDSTONE (SANDY CONCRETIONS);

SANDY

PHOSPHATIC LIMESTONE; MOLDIC SANDY LIMESTONE WITH MEDIUM  
RECRYSTALLIZATION; RECRYSTALLIZED CORAL. TRACE OF PYRITE  
AND HEAVY MINERALS.

73 - 80

LIMESTONE; YELLOWISH GRAY  
10% POROSITY: INTERGRANULAR, MOLDIC  
GRAIN TYPE: CALCILUTITE, SKELETAL, CRYSTALS  
70% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO GRAVEL  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT  
ACCESSORY MINERALS: SHELL-25%, QUARTZ SAND-25%, SPAR-25%  
PHOSPHATIC SAND-<1%  
OTHER FEATURES: MEDIUM RECRYSTALLIZATION  
FOSSILS: MOLLUSKS, BARNACLES, BRYOZOA  
SAND IS MEDIUM TO COARSE MODE. SHELLY, SANDY

RECRYSTALLIZED

LIMESTONE.

80 - 88

SHELL BED; WHITE TO LIGHT OLIVE GRAY  
15% POROSITY: INTERGRANULAR; UNCONSOLIDATED  
ACCESSORY MINERALS: LIMESTONE-30%  
FOSSILS: MOLLUSKS, BARNACLES, ECHINOID, BRYOZOA  
TRACE OF PYRITE AND PHOSPHATE. LIMESTONE IS SANDY, SHELLY  
AND MICROCRYSTALLINE. LESS LIMESTONE WITH DEPTH.

88 - 100

LIMESTONE; YELLOWISH GRAY TO LIGHT GRAY  
20% POROSITY: INTERGRANULAR, VUGULAR, MOLDIC  
GRAIN TYPE: CALCILUTITE, SKELETAL  
80% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL; POOR

INDURATION

CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT  
ACCESSORY MINERALS: QUARTZ SAND-25%, SHELL-40%  
OTHER FEATURES: COQUINA, MEDIUM RECRYSTALLIZATION  
FOSSILS: MOLLUSKS, BRYOZOA, BARNACLES, CRUSTACEA,

ECHINOID

SANDY COQUINA. TRACE OF PHOSPHATE AND PYRITE.

100 - 118

SAND; YELLOWISH GRAY  
20% POROSITY: INTERGRANULAR  
GRAIN SIZE: MEDIUM; RANGE: FINE TO GRAVEL  
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; LOW SPHERICITY  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX, CLAY MATRIX

ACCESSORY MINERALS: PHOSPHATIC SAND- 5%, SHELL-25%  
FOSSILS: MOLLUSKS, ECHINOID, BARNACLES  
POORLY INDURATED SHELLY, PHOSPHATIC, CHALKY SAND. APPEARS  
TO GO FROM COQUINA AS ABOVE TO THE SAND. DUE TO THE  
CONDITION OF THE CORE I CANNOT TELL IF THIS WAS A SHARP

OR

GRADATIONAL CONTACT OR AT WHAT FOOTAGE IT TOOK PLACE.

118 TOTAL DEPTH