

DLBS-5

LITHOLOGIC WELL LOG PRINTOUT

SOURCE - FGS

WELL NUMBER: W-17790

COUNTY - DADE

TOTAL DEPTH: 118 FT.

LOCATION: T.52S R.39E S.04

SAMPLES - NONE

LAT = 25D 56M 36S

LON = 80D 26M 32S

COMPLETION DATE: 06/18/96

ELEVATION: 5 FT

OTHER TYPES OF LOGS AVAILABLE - NONE

OWNER/DRILLER: SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WORKED BY: CINDY FISCHLER, SFWMD GEOPHY # 025000019 025-16 DEBS-5 PENNSUCO
 FLA. PLANAR X 683110 STATE COORD. Y 585459 ACTUAL CORE FOOTAGE IS LESS
 THAN INTERVAL GIVEN. EX. 0-3FT. CONSISTS OF ABOUT 1 INCHES OF SAMPLE.

0 - . 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 CASE 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, VAGULAR 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