LITHOLOGIC WELL LOG PRINTOUT SOURCE - FGS

WELL NUMBER: W-17795 COUNTY - HOLLY
TOTAL DEPTH: 113 FT. LOCATION: T.53S R.39E
S.13 DB
12 SAMPLES FROM 0 TO 113 FT. LAT = 25D 50M
05S
LON = 80D 29M
03S
COMPLETION DATE: 07/31/96 ELEVATION: 95 FT
OTHER TYPES OF LOGS AVAILABLE - NONE

OWNER/DRILLER:OWNER ?/SFWMD, WELL ID# 025-21, WELL NAME: DLBS-10

WORKED BY:HOLLY K. WILLIAMS, FLORIDA GEOLOGICAL SURVEY, 9/29/99
ALL SAMPLES ARE CORE. ACTUAL CORE LENGTH IS ABOUT 1/3 OF THAT
MARKED AND DESCRIBED.

0.	-	87.	121PCPC	PLIOCENE-PLEISTOCENE
87.	-	113.	122HTRN	HAWTHORN GROUP
87.	-	113.	122PCRV	PEACE RIVER FM.

0 - 3 PACKSTONE; YELLOWISH GRAY
10% POROSITY: INTRAGRANULAR, INTERGRANULAR
GRAIN TYPE: CALCILUTITE, BIOGENIC
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: CRYPTOCRYSTALLINE TO COARSE
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-05%, CLAY-15%
INDURATION IS POOR TO MODERATE.

3 - 8 MUDSTONE; YELLOWISH GRAY TO GRAYISH ORANGE
POROSITY: INTRAGRANULAR, INTERGRANULAR
GRAIN TYPE: CALCILUTITE; 10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: CRYPTOCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO COARSE; MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-30%
LIMESTONE THAT IS GREYISH ORANGE IS EVIDENCE OF EXPOSURE.
SAND ACCESSORY IS MEDIUM TO COARSE. 3-5' IS MORE BROKEN
UP THAN AT 5-8'.

8 - 20 PACKSTONE; YELLOWISH GRAY
20% POROSITY: INTRAGRANULAR, INTERGRANULAR, VUGULAR
GRAIN TYPE: CALCILUTITE, BIOGENIC, OOLITE
75% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM
RANGE: CRYPTOCRYSTALLINE TO VERY COARSE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
ACCESSORY MINERALS: QUARTZ SAND-05%
OTHER FEATURES: HIGH RECRYSTALLIZATION

20 - 23 MUDSTONE; VERY LIGHT GRAY TO YELLOWISH GRAY

POROSITY: INTRAGRANULAR, MOLDIC
GRAIN TYPE: CALCILUTITE, BIOGENIC, OOLITE
05% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: CRYPTOCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO COARSE; MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CLAY-15%
FOSSILS: MOLLUSKS, FOSSIL MOLDS
VERY LITTLE OOMOLDIC POROSITY. MOST MOLDS ARE FROM MOLLUSKS.

23 - 30 MUDSTONE; YELLOWISH GRAY
POROSITY: INTRAGRANULAR, MOLDIC
GRAIN TYPE: CALCILUTITE, BIOGENIC, OOLITE
10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: CRYPTOCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO MEDIUM; GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR-05%
FOSSILS: MOLLUSKS, FOSSIL MOLDS
NUMEROUS MOLDS AND CASTS. 27-30' IS BROKEN UP, SOME OF WHICH HAS UNDERGONE VERY LITTLE DOLOMITIZATION. VERY LITTLE OOMOLDIC POROSITY.

30 - 45 WACKESTONE; YELLOWISH GRAY
10% POROSITY: INTRAGRANULAR, MOLDIC, VUGULAR
GRAIN TYPE: CALCILUTITE, BIOGENIC
15% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: CRYPTOCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO MEDIUM; MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
OTHER FEATURES: MEDIUM RECRYSTALLIZATION
FOSSILS: MOLLUSKS, FOSSIL MOLDS
NUMEROUS MOLUSK MOLDS AND CASTS. SPARY CALCITE GROWTH ON MANY CASTS AND MOLDS AND REPLACING SOME MOLDS.

45 - 65 WACKESTONE; WHITE TO YELLOWISH GRAY
15% POROSITY: INTRAGRANULAR, MOLDIC
GRAIN TYPE: CALCILUTITE, BIOGENIC
25% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: CRYPTOCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO MEDIUM; MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-35%, SPAR-05%
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MOLLUSKS, FOSSIL MOLDS
SAND ACCESSORY IS FINE GRAIN. SOME MOLLUSK MOLDS AND CASTS
COATED WITH SPARRY CALCITE. 57-60' IS MODERATELY TO HIGHLY
RECRYSTALLIZED.

65 - 73 SHELL BED; YELLOWISH GRAY TO VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR

CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
ACCESSORY MINERALS: CALCILUTITE-15%, QUARTZ SAND-05%
OTHER FEATURES: HIGH RECRYSTALLIZATION
FOSSILS: MOLLUSKS
SHELLS HAVE BEEN REPLACED BY SPARRY CALCITE AND ARE POORLY
INDURATED TO UNCONSOLIDATED.

73 - 75 MUDSTONE; YELLOWISH GRAY
POROSITY: INTRAGRANULAR, MOLDIC
GRAIN TYPE: CALCILUTITE, BIOGENIC
10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: CRYPTOCRYSTALLINE
RANGE: CRYPTOCRYSTALLINE TO MEDIUM; GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-25%
OTHER FEATURES: HIGH RECRYSTALLIZATION
FOSSILS: MOLLUSKS, FOSSIL MOLDS
SAND ACCESSORY IS FINE GRAIN.

75 - 78 SAND; YELLOWISH GRAY TO LIGHT OLIVE GRAY
GRAIN SIZE: FINE
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: MOLLUSKS
THIS INTERVAL IS POORLY INDURATED QUARTZ SAND-50%, AND CARBONATE SAND-50%. tHE CARBONATE SAND IS MEDIUM GRAIN.

78 - 87 MUDSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
POROSITY: INTRAGRANULAR, MOLDIC
GRAIN TYPE: CALCILUTITE
GRAIN SIZE: CRYPTOCRYSTALLINE; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, CLAY MATRIX
ACCESSORY MINERALS: CLAY-20%, QUARTZ SAND-20%
FOSSILS: MOLLUSKS, FOSSIL MOLDS
SAND ACCESSORY IS FINE TO COARSE, MODE: FINE. 85-87' IS POORLY TO MODERATELY INDURATED.

87 - 113 SAND; YELLOWISH GRAY TO LIGHT OLIVE GRAY
15% POROSITY: INTRAGRANULAR, INTERGRANULAR
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
POOR INDURATION
CEMENT TYPE(S): CLAY MATRIX
ACCESSORY MINERALS: CLAY-20%, PHOSPHATIC SAND-05%
FOSSILS: MOLLUSKS, BRYOZOA
95-113' HAS 10% CLAY.

113 TOTAL DEPTH