

North Collier County WTP. (NCCWTA)

CO-2317 (IW) & CO-2318 (DMW)

Digitized Geophysical Log Data Available.

CO-2317 = W-16884

IW-1 Digitized Data from Envirosdata (ASCII)
IW-2 Electronic Data from Florida Geophysical Logging

W-16884

JUN 22

LITHOLOGIC WELL LOG PRINTOUT

SOURCE - FGS

WELL NUMBER: W-16884
TOTAL DEPTH: 3380 FT.
249 SAMPLES FROM 0 TO 3380 FT.

COUNTY - COLLIER
LOCATION: T.48S R.26E S.35
LAT = 26D 15M 00S
LON = 81D 35M 00S

COMPLETION DATE: 10/20/92
OTHER TYPES OF LOGS AVAILABLE - OTHER

ELEVATION: 18 FT

NCCWTP-1W?

OWNER/DRILLER: YOUNGQUIST BROS., DRILLERS

WORKED BY: JOE AYLOR (0-580'), M. BALINSKY (580'-2050'), LI LI (2050'-3380')
SFWMD COLLIER COUNTY.

LOCATED IN SEC35, T48S, R26E

WELL IS LOCATED IN THE CORKSCREW SE 7.5 MINUTE QUADRANGLE.

BOUNDARIES BETWEEN STRATIGRAPHIC UNITS ARE VERY OBSCURE AND UNCERTAIN.
BOUNDARIES BETWEEN THE SUWANNEE/OCALA AND OCALA/AVON PARK ARE BASED ON
VERY SUBTLE LITHOLOGIC DIFFERENCES THAT MAY NOT BE REPRESENTATIVE OF
TRUE FORMATIONAL BREAKS. THIS COULD BE DUE TO POOR OR BAD SAMPLES, OR
COULD REFLECT UNINTERRUPTED DEPOSITION ACROSS THESE "TIME" BOUNDARIES.

0.	-	290.	121PCPC	PLIOCENE-PLEISTOCENE
290.	-	1240. ⁸²⁵	122HTRN	HAWTHORN GROUP
1240.	-	1540. ¹²⁹⁰	123SWNN	SUWANNEE LIMESTONE 825
1510.	-	1880. ¹⁵⁵⁰	124OCAL	OCALA GROUP 1270 (1290)MA
1880.	-	2580.	124AVPK	AVON PARK FM. 1540 (1550)MA
2580.	-	3360.	124OLDM	OLDSMAR LIMESTONE
3360.	-	3380.	125CDRK	CEDAR KEYS LIMESTONE
10.	-	20.	000NOSM	NO SAMPLES
340.	-	350.	000NOSM	NO SAMPLES
380.	-	390.	000NOSM	NO SAMPLES
430.	-	440.	000NOSM	NO SAMPLES
760.	-	770.	000NOSM	NO SAMPLES
2940.	-	2970.	000NOSM	NO SAMPLES

3380

0 - 10 LIMESTONE; GRAYISH BROWN
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-30%
FOSSILS: MOLLUSKS
GASTROPODS, PLIO-PLEISTOCENE

10 - 20 NO SAMPLES

- 20 - 40 LIMESTONE; LIGHT GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-30%, SPAR-10%
FOSSILS: MOLLUSKS, ECHINOID
GASTROPODS
- 40 - 80 LIMESTONE; VERY LIGHT GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-30%
FOSSILS: MOLLUSKS
TURRITELLA SP.
- 80 - 100 LIMESTONE; VERY LIGHT GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-20%
FOSSILS: MOLLUSKS, CORAL, ECHINOID
- 100 - 120 LIMESTONE; LIGHT GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-20%
FOSSILS: MOLLUSKS
TURRITELLA SP. AND OTHER GASTROPODS
- 120 - 140 LIMESTONE; WHITE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-20%, SPAR-10%
PHOSPHATIC SAND- %
FOSSILS: MOLLUSKS, ECHINOID

- 140 - 180 LIMESTONE; VERY LIGHT ORANGE TO LIGHT GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-25%, SPAR-10%
PHOSPHATIC SAND-01%, CALCILUTITE-10%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, ECHINOID, CORAL
CORALS (?)
- 180 - 200 LIMESTONE; MODERATE LIGHT GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CALCILUTITE-10%, SHELL-10%
PHOSPHATIC SAND-01%
FOSSILS: MOLLUSKS
- 200 - 220 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
75% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CALCILUTITE-10%, QUARTZ SAND-30%
FOSSILS: ECHINOID
- 220 - 230 LIMESTONE; VERY LIGHT GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRAVEL
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CALCILUTITE-10%, QUARTZ SAND-30%
SHELL-15%
FOSSILS: MOLLUSKS, ECHINOID

- 230 - 240 Limestone; LIGHT GRAY
 20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: BIOGENIC, CALCILUTITE
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRAVEL
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: SHELL-20%
 FOSSILS: MOLLUSKS
 MEDIUM GRAY LIMESTONE 30%
- 240 - 290 Limestone; LIGHT GRAY
 20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: BIOGENIC, CALCILUTITE
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: VERY FINE TO GRAVEL
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: SHELL-20%
 FOSSILS: MOLLUSKS
- 290 - 310 SILT; LIGHT OLIVE TO LIGHT OLIVE GRAY
 15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 UNCONSOLIDATED
 ACCESSORY MINERALS: QUARTZ SAND-10%, SHELL-10%
 FOSSILS: MOLLUSKS
 TOP OF HAWTHORN GROUP AT 290 FEET
- 310 - 320 SILT; LIGHT OLIVE GRAY TO GREENISH GRAY
 15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 UNCONSOLIDATED
 FOSSILS: FOSSIL FRAGMENTS
- 320 - 330 SILT; YELLOWISH GRAY
 15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 UNCONSOLIDATED
 ACCESSORY MINERALS: QUARTZ SAND-05%
 FOSSILS: BENTHIC FORAMINIFERA, MOLLUSKS
- 330 - 340 SILT; LIGHT OLIVE GRAY
 15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 UNCONSOLIDATED
 ACCESSORY MINERALS: QUARTZ SAND-10%
- 340 - 350 NO SAMPLES
- 350 - 380 SAND; MODERATE GRAYISH GREEN
 15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
 ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
 UNCONSOLIDATED
 ACCESSORY MINERALS: GYPSUM- %, PHOSPHATIC SAND- %
 HEAVY MINERALS-%

- 380 - 390 NO SAMPLES
- 390 - 400 SAND; LIGHT OLIVE GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: PHOSPHATIC SAND-%
- 400 - 410 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SILT-30%, SHELL-10%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
- 410 - 430 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SILT-10%, QUARTZ SAND-10%
PHOSPHATIC SAND- %
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA
MINOR DARK-GRAY DOLOSTONE.
- 430 - 440 NO SAMPLES
- 440 - 460 LIMESTONE; VERY LIGHT GRAY
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-50%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, FOSSIL MOLDS
- 460 - 480 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-30%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS

- 480 - 510 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-20%, SILT-20%
PHOSPHATIC SAND- %, HEAVY MINERALS- %
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
- 510 - 540 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SILT-30%, QUARTZ SAND-05%
PHOSPHATIC SAND- %, HEAVY MINERALS- %
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, ECHINOID, BRYOZOA
- 540 - 570 LIMESTONE; VERY LIGHT GRAY TO YELLOWISH GRAY
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SILT-30%, SPAR-10%, SHELL-20%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, FOSSIL MOLDS
- 570 - 580 LIMESTONE; YELLOWISH GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SILT-30%, SPAR-10%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, ECHINOID, BRYOZOA
- 580 - 590 CALCILUTITE; GRAYISH BROWN TO VERY LIGHT ORANGE
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE; 10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, DOLOMITE-25%
OTHER FEATURES: DOLOMITIC

- 590 - 600 CALCILUTITE; VERY LIGHT ORANGE
 10% POROSITY: LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE; 40% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 GOOD INDURATION
 ACCESSORY MINERALS: PHOSPHATIC SAND-05%, DOLOMITE-40%
 OTHER FEATURES: DOLOMITIC, CHALKY
- 600 - 610 SAND; LIGHT OLIVE GRAY
 10% POROSITY: LOW PERMEABILITY
 GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
 MEDIUM SPHERICITY; UNCONSOLIDATED
 ACCESSORY MINERALS: PHOSPHATIC SAND-05%, CALCITE-35%
 DOLOMITE-10%
 OTHER FEATURES: CALCAREOUS
 A CONSIDERABLY DARKER COLOR; A SANDY LAYER.
- 610 - 620 SAND; LIGHT OLIVE GRAY TO WHITE
 30% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
 MEDIUM SPHERICITY; UNCONSOLIDATED
 ACCESSORY MINERALS: PHOSPHATIC SAND-05%, CALCITE-25%
 DOLOMITE-10%
 OTHER FEATURES: CALCAREOUS
 FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA
 ANOTHER SANDY SECTION WITH LESS CALCITE.
- 620 - 630 DOLOSTONE; YELLOWISH GRAY TO MODERATE LIGHT GRAY
 10% POROSITY: LOW PERMEABILITY; 10-50% ALTERED; ANHEDRAL
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 GOOD INDURATION
 ACCESSORY MINERALS: PHOSPHATIC SAND-05%, CALCITE-10%
 FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA
- 630 - 640 DOLOSTONE; LIGHT OLIVE TO MODERATE LIGHT GRAY
 10% POROSITY: LOW PERMEABILITY; 50-90% ALTERED; ANHEDRAL
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 GOOD INDURATION
 ACCESSORY MINERALS: PHOSPHATIC SAND-05%, CALCITE-15%
 FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA
- 640 - 680 CALCILUTITE; VERY LIGHT ORANGE TO MODERATE YELLOWISH BROWN
 15% POROSITY: LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, SKELETAL
 30% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 MODERATE INDURATION
 ACCESSORY MINERALS: DOLOMITE-30%
 OTHER FEATURES: DOLOMITIC, CHALKY
 FOSSILS: CORAL

- 680 - 700 DOLOSTONE; GRAYISH BROWN
20% POROSITY: INTERGRANULAR; 10-50% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
POOR INDURATION
ACCESSORY MINERALS: CALCITE-30%
FOSSILS: CORAL
- 700 - 710 CALCILUTITE; YELLOWISH GRAY
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE; 10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
ACCESSORY MINERALS: DOLOMITE-40%
OTHER FEATURES: DOLOMITIC
- 710 - 720 DOLOSTONE; MODERATE LIGHT GRAY
10% POROSITY: LOW PERMEABILITY; 90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
ACCESSORY MINERALS: CALCITE-35%
OTHER FEATURES: CALCAREOUS
- 720 - 730 DOLOSTONE; MODERATE LIGHT GRAY TO WHITE
50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
ACCESSORY MINERALS: CALCITE-40%
OTHER FEATURES: CALCAREOUS
FOSSILS: CORAL
TWO GRAIN AGGREGATE TYPES--ONE DARKER AND MORE DOLOMITIC
AND ONE LIGHTER AND MORE CALCAREOUS.
- 730 - 740 DOLOSTONE; MODERATE LIGHT GRAY TO WHITE
15% POROSITY: LOW PERMEABILITY; 10-50% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
ACCESSORY MINERALS: CALCITE-30%
OTHER FEATURES: CALCAREOUS
- 740 - 750 DOLOSTONE; MODERATE GRAY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
ACCESSORY MINERALS: CALCITE-10%
- 750 - 760 DOLOSTONE; MODERATE LIGHT GRAY
10% POROSITY: LOW PERMEABILITY; 10-50% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
ACCESSORY MINERALS: CALCITE-10%
- 760 - 770 NO SAMPLES

- 770 - 820 DOLOSTONE; YELLOWISH GRAY
10% POROSITY: LOW PERMEABILITY; 90-100% ALTERED; ANHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
ACCESSORY MINERALS: CALCITE-05%, PHOSPHATIC SAND-01%
- 820 - 830 DOLOSTONE; LIGHT GREENISH YELLOW TO GRAYISH OLIVE
10% POROSITY: LOW PERMEABILITY; 10-50% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
ACCESSORY MINERALS: CALCITE-30%, PHOSPHATIC SAND-05%
OTHER FEATURES: CALCAREOUS
- 830 - 840 DOLOSTONE; YELLOWISH GRAY TO MODERATE GRAY
10% POROSITY: LOW PERMEABILITY; 10-50% ALTERED; ANHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
ACCESSORY MINERALS: CALCITE-25%, PHOSPHATIC SAND-03%
OTHER FEATURES: CALCAREOUS
DOLOMITE WITH CHALK COVER ON OUTSIDE.
- 840 - 860 DOLOSTONE; LIGHT OLIVE GRAY
10% POROSITY: LOW PERMEABILITY; 10-50% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
ACCESSORY MINERALS: CALCITE-10%
FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA
- 860 - 870 DOLOSTONE; LIGHT OLIVE GRAY
10% POROSITY: LOW PERMEABILITY; 10-50% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
ACCESSORY MINERALS: CALCITE-30%
OTHER FEATURES: CALCAREOUS
FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA
- 870 - 880 LIMESTONE; PINKISH GRAY TO VERY LIGHT GRAY
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, SKELETAL, CALCILUTITE
20% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
ACCESSORY MINERALS: DOLOMITE-25%
OTHER FEATURES: DOLOMITIC
FOSSILS: MOLLUSKS
POSSIBLE TOP OF SUWANNEE LIMESTONE

- 880 - 920 LIMESTONE; LIGHT GRAY TO WHITE
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
ACCESSORY MINERALS: DOLOMITE-30%
OTHER FEATURES: DOLOMITIC
- 920 - 940 LIMESTONE; VERY LIGHT GRAY TO MODERATE LIGHT GRAY
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CRYSTALS; 05% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
ACCESSORY MINERALS: DOLOMITE-35%
OTHER FEATURES: DOLOMITIC
- 940 - 950 LIMESTONE; WHITE TO MODERATE LIGHT GRAY
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
GOOD INDURATION
ACCESSORY MINERALS: DOLOMITE-35%
OTHER FEATURES: DOLOMITIC
FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA
- 950 - 960 LIMESTONE; VERY LIGHT ORANGE
15% POROSITY: LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CRYSTALS, CALCILUTITE
15% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
ACCESSORY MINERALS: DOLOMITE-10%
FOSSILS: MOLLUSKS, BRYOZOA, ECHINOID
PROBABLY 35% OF THIS DEPOSIT CONSISTS OF SPIRAL SHAPED
GASTROPOD SHELLS. THERE IS A GOOD AMOUNT OF
RECRYSTALLIZATION PRESENT. A HIGHLY FOSSILIFEROUS SECTION
IN GENERAL.
- 960 - 1030 LIMESTONE; VERY LIGHT ORANGE
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE; 05% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
ACCESSORY MINERALS: DOLOMITE-10%
- 1030 - 1060 LIMESTONE; WHITE TO MODERATE GRAY
15% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE; 05% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
ACCESSORY MINERALS: DOLOMITE-40%
OTHER FEATURES: DOLOMITIC

- 1060 - 1080 LIMESTONE; YELLOWISH GRAY
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE; 10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
ACCESSORY MINERALS: DOLOMITE-30%
OTHER FEATURES: DOLOMITIC
- 1080 - 1090 LIMESTONE; WHITE TO LIGHT GRAY
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO VERY FINE
GOOD INDURATION
ACCESSORY MINERALS: DOLOMITE-25%
OTHER FEATURES: DOLOMITIC
- 1090 - 1100 LIMESTONE; VERY LIGHT GRAY TO BROWNISH GRAY
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO VERY FINE
GOOD INDURATION
ACCESSORY MINERALS: DOLOMITE-45%, PHOSPHATIC SAND-05%
OTHER FEATURES: DOLOMITIC
SOME VERY CHALKY AGGREGATES; AND SOME AGGREGATES OF
DOLOMITE ARE DARKER IN COLOR.
- 1100 - 1130 LIMESTONE; LIGHT GRAY TO WHITE
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
05% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
ACCESSORY MINERALS: DOLOMITE-35%
FOSSILS: MOLLUSKS
THERE ARE BOTH CRYSTALS AND CALCILUTITE PRESENT IN
SIGNIFICANT AMOUNT ACROSS THE LAST FORTY FEET OF SECTION.
- 1130 - 1140 LIMESTONE; WHITE TO MODERATE DARK GRAY
15% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE, SKELETAL
05% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-25%
OTHER FEATURES: DOLOMITIC
FOSSILS: MOLLUSKS
SAMPLE CONTAINS BOTH CHALKY AGGREGATES AND WELL INDURATED
MORE DOLOMITIC AGGREGATES.

- 1140 - 1170 CALCILUTITE; LIGHT OLIVE GRAY
 10% POROSITY: LOW PERMEABILITY
 GRAIN TYPE: CRYSTALS, CALCILUTITE, SKELETAL
 15% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
 ACCESSORY MINERALS: PHOSPHATIC SAND-05%, DOLOMITE-30%
 OTHER FEATURES: DOLOMITIC
 FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA
- 1170 - 1230 CALCILUTITE; VERY LIGHT ORANGE
 15% POROSITY: LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE; 05% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: PHOSPHATIC SAND-01%, DOLOMITE-05%
 FOSSILS: MOLLUSKS, CORAL
- 1230 - 1240 CALCILUTITE; VERY LIGHT ORANGE
 15% POROSITY: LOW PERMEABILITY
 GRAIN TYPE: CRYSTALS, CALCILUTITE
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO VERY FINE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: PHOSPHATIC SAND-01%
 A SIGNIFICANT AMOUNT (70%) OF RECRYSTALLIZATION.
- 1240 - 1290 CALCILUTITE; VERY LIGHT ORANGE
 10% POROSITY: LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS
 10% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: DOLOMITE-05%
 FOSSILS: ECHINOID
 POSSIBLE TOP OF SUWANNEE LIMESTONE.
- 1290 - 1340 CALCILUTITE; GRAYISH ORANGE
 15% POROSITY: LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE; 10% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: DOLOMITE-05%

- 1340 - 1360 CALCILUTITE; WHITE TO LIGHT OLIVE GRAY
 10% POROSITY: LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS
 05% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: DOLOMITE-30%
 FOSSILS: BENTHIC FORAMINIFERA
- 1360 - 1420 CALCILUTITE; VERY LIGHT ORANGE
 10% POROSITY: LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE; 05% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: DOLOMITE-03%
- 1420 - 1450 CALCILUTITE; VERY LIGHT ORANGE
 20% POROSITY
 GRAIN TYPE: CALCILUTITE
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO VERY FINE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
- 1450 - 1460 CALCILUTITE; YELLOWISH GRAY
 15% POROSITY: LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO VERY FINE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
- 1460 - 1510 CALCILUTITE; VERY LIGHT ORANGE
 20% POROSITY
 GRAIN TYPE: CALCILUTITE
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO VERY FINE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ESSENTIALLY PURE CALCILUTITE.
- 1510 - 1520 CALCILUTITE; VERY LIGHT ORANGE
 10% POROSITY: LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, SKELETAL, CRYSTALS
 05% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: DOLOMITE-10%
 FOSSILS: BENTHIC FORAMINIFERA
 LEPIDOCYCLINA sp. PRESENT. POSSIBLE TOP OF UPPER EOCENE
 OCALA LIMESTONE.

- 1520 - 1540 CALCILUTITE; VERY LIGHT ORANGE
20% POROSITY: POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
- 1540 - 1640 CALCILUTITE; VERY LIGHT ORANGE
20% POROSITY: POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: BENTHIC FORAMINIFERA
- 1640 - 1690 CALCILUTITE; VERY LIGHT ORANGE
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO VERY FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
- 1690 - 1700 CALCILUTITE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: CALCILUTITE; 05% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
- 1700 - 1750 CALCILUTITE; VERY LIGHT ORANGE
15% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE; 10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
- 1750 - 1770 CALCILUTITE; GRAYISH ORANGE TO VERY LIGHT ORANGE
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE; 03% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
SAMPLE CONTAINS DARK AGGREGATES WHICH ARE PROBABLY CAVINGS.
- 1770 - 1780 CALCILUTITE; GRAYISH BROWN
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
05% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX

- 1780 - 1790 CALCILUTITE; GRAYISH ORANGE
 20% POROSITY: POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: CALCILUTITE; 02% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
- 1790 - 1800 CALCILUTITE; VERY LIGHT ORANGE
 15% POROSITY: LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO VERY FINE
 MODERATE INDURATION
- 1800 - 1820 CALCILUTITE; GRAYISH ORANGE
 20% POROSITY: POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: CALCILUTITE; 02% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
- 1820 - 1830 CALCILUTITE; VERY LIGHT ORANGE
 15% POROSITY: LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO VERY FINE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
- 1830 - 1880 CALCILUTITE; VERY LIGHT ORANGE
 15% POROSITY: LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO VERY FINE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
- 1880 - 1900 CALCILUTITE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
 10% POROSITY: LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS
 05% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
 POSSIBLE TOP OF AVON PARK FORMATION
- 1900 - 1910 CALCILUTITE; VERY LIGHT ORANGE
 15% POROSITY: LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE, CRYSTALS
 05% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 FOSSILS: MOLLUSKS

- 1910 - 1930 CALCILUTITE; LIGHT OLIVE GRAY TO WHITE
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO VERY FINE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
- 1930 - 1940 CALCILUTITE; YELLOWISH GRAY
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
05% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
- 1940 - 1960 CALCILUTITE; YELLOWISH GRAY
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
FOSSILS: MOLLUSKS
- 1960 - 1970 CALCILUTITE; YELLOWISH GRAY
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
FOSSILS: ECHINOID
- 1970 - 2010 CALCILUTITE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE; 10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
ACCESSORY MINERALS: DOLOMITE-10%
FOSSILS: BENTHIC FORAMINIFERA
NUMMULITES sp. PRESENT.
- 2010 - 2020 CALCILUTITE; YELLOWISH GRAY
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CRYSTALS; 10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
ACCESSORY MINERALS: DOLOMITE-30%
OTHER FEATURES: DOLOMITIC

- 2020 - 2030 DOLOSTONE; LIGHT GRAYISH BROWN TO DARK BROWN
 10% POROSITY: LOW PERMEABILITY; 90-100% ALTERED; ANHEDRAL
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 ACCESSORY MINERALS: CALCITE-40%
 OTHER FEATURES: CALCAREOUS
- 2030 - 2040 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
 10% POROSITY: LOW PERMEABILITY; 90-100% ALTERED; ANHEDRAL
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 ACCESSORY MINERALS: CALCITE-35%
 OTHER FEATURES: CALCAREOUS
- 2040 - 2050 CALCILUTITE; VERY LIGHT ORANGE
 15% POROSITY: LOW PERMEABILITY
 GRAIN TYPE: CALCILUTITE; 40% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM
 MODERATE INDURATION
 ACCESSORY MINERALS: DOLOMITE-30%
 OTHER FEATURES: DOLOMITIC
- 2050 - 2070 WACKSTONE; WHITE
 15% POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: BIOGENIC; 25% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 FOSSILS: BENTHIC FORAMINIFERA, CONES
 DICTYOCONUS *cookei*, NUMMULITES sp.
- 2070 - 2130 PACKSTONE; PINKISH GRAY
 20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: BIOGENIC, SKELETAL
 75% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: MEDIUM; RANGE: FINE TO GRAVEL
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 FOSSILS: BENTHIC FORAMINIFERA, CONES, MILIOLIDS
- 2130 - 2180 DOLOSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
 20% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
 POSSIBLY HIGH PERMEABILITY; 50-90% ALTERED; EUHEDRAL
 GRAIN SIZE: FINE; RANGE: FINE TO MEDIUM
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: CALCILUTITE-40%
 FOSSILS: BENTHIC FORAMINIFERA, CONES
 DICTYOCONUS *americanus*

- 2180 - 2220 PACKSTONE; VERY LIGHT ORANGE
 20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: BIOGENIC, SKELETAL
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL; GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 OTHER FEATURES: LOW RECRYSTALLIZATION
 FOSSILS: BENTHIC FORAMINIFERA, CONES, MILIOLIDS
- 2220 - 2250 DOLOSTONE; GRAYISH BROWN
 20% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY
 50-90% ALTERED; SUBHEDRAL
 GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE; GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX
 ACCESSORY MINERALS: CALCILUTITE-20%
 OTHER FEATURES: CALCAREOUS
 FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS
- 2250 - 2270 WACKSTONE; VERY LIGHT ORANGE
 15% POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: BIOGENIC, SKELETAL
 30% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: DOLOMITE-03%
 FOSSILS: BENTHIC FORAMINIFERA, CONES
- 2270 - 2280 DOLOSTONE; DARK YELLOWISH BROWN
 20% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY
 90-100% ALTERED; SUBHEDRAL
 GRAIN SIZE: FINE; RANGE: FINE TO COARSE; GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
- 2280 - 2300 PACKSTONE; VERY LIGHT ORANGE TO DARK YELLOWISH BROWN
 20% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
 POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: BIOGENIC; 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: FINE TO COARSE; GOOD INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: DOLOMITE-20%
 FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS
- 2300 - 2330 DOLOSTONE; DARK YELLOWISH BROWN
 20% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY
 90-100% ALTERED; FIBROUS
 GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE; GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT

- 2330 - 2360 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
 25% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY
 50-90% ALTERED; EUHEDRAL
 GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE; GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
 ACCESSORY MINERALS: CALCILUTITE-20%
- 2360 - 2380 PACKSTONE; VERY LIGHT ORANGE
 20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: BIOGENIC; 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: DOLOMITE-05%
 FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS
- 2380 - 2390 DOLOSTONE; VERY LIGHT ORANGE TO DARK YELLOWISH BROWN
 20% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY
 50-90% ALTERED; EUHEDRAL
 GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM
 MODERATE INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
 ACCESSORY MINERALS: CALCILUTITE-10%
- 2390 - 2410 WACKSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
 15% POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: BIOGENIC; 30% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: DOLOMITE-20%
 FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS
- 2410 - 2420 DOLOSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
 15% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
 50-90% ALTERED; SUBHEDRAL
 GRAIN SIZE: FINE; RANGE: FINE TO MEDIUM; GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
 ACCESSORY MINERALS: CALCILUTITE-20%
- 2420 - 2430 PACKSTONE; VERY LIGHT ORANGE
 20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: BIOGENIC; 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: FINE TO COARSE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS

- 2430 - 2480 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
15% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS
LOW PERMEABILITY; 90-100% ALTERED; ANHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
- 2480 - 2490 DOLOSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
15% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
LOW PERMEABILITY; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX
ACCESSORY MINERALS: LIMESTONE-20%
- 2490 - 2510 WACKESTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
15% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
LOW PERMEABILITY
GRAIN TYPE: BIOGENIC; 30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO COARSE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-20%
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS
- 2510 - 2560 DOLOSTONE; GRAYISH BROWN
15% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS
LOW PERMEABILITY; 90-100% ALTERED; ANHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
- 2560 - 2580 DOLOSTONE; GRAYISH BROWN
20% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY
90-100% ALTERED; EUHEDRAL
GRAIN SIZE: FINE; RANGE: FINE TO MEDIUM; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
- 2580 - 2670 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
90-100% ALTERED; ANHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
VERY FINE CRYSTALLINE, DENSE DOLOSTONE. POSSIBLE ODLSMAR
FORMATION.

- 2670 - 2680 DOLOSTONE; DARK YELLOWISH BROWN
25% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY
90-100% ALTERED; EUHEDRAL
GRAIN SIZE: FINE; RANGE: FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC
- 2680 - 2740 DOLOSTONE; DARK YELLOWISH BROWN TO DARK YELLOWISH BROWN
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
90-100% ALTERED; ANHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
- 2740 - 2770 DOLOSTONE; DARK YELLOWISH BROWN TO DARK YELLOWISH BROWN
20% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY
90-100% ALTERED; EUHEDRAL
GRAIN SIZE: FINE; RANGE: FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
- 2770 - 2810 DOLOSTONE; DARK YELLOWISH BROWN TO BROWNISH GRAY
05% POROSITY: LOW PERMEABILITY; 90-100% ALTERED; ANHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
- 2810 - 2830 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
20% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY
90-100% ALTERED; EUHEDRAL
GRAIN SIZE: FINE; RANGE: FINE TO MEDIUM; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
OTHER FEATURES: SUCROSIC
- 2830 - 2910 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: FINE TO MEDIUM; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
- 2910 - 2940 DOLOSTONE; DARK YELLOWISH BROWN TO BROWNISH GRAY
05% POROSITY: LOW PERMEABILITY; 90-100% ALTERED; ANHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
- 2940 - 2970 NO SAMPLES

- 2970 - 3000 DOLOSTONE; DARK YELLOWISH BROWN TO DARK YELLOWISH BROWN
15% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
- 3000 - 3060 DOLOSTONE; GRAYISH BROWN
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
- 3060 - 3100 DOLOSTONE; DARK YELLOWISH BROWN
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
- 3100 - 3140 DOLOSTONE; VERY LIGHT ORANGE
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
- 3140 - 3210 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
- 3210 - 3240 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
15% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
- 3240 - 3300 DOLOSTONE; VERY LIGHT ORANGE TO DARK YELLOWISH BROWN
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
90-100% ALTERED; ANHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT

- 3300 - 3330 DOLOSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
90-100% ALTERED; ANHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-??%
ABOUT 10% LIMESTONE FRAGMENTS IN THE SAMPLES. NUMMULITES
AND CONES ARE NOTED WITH THE LIMESTONE. THEREFORE, AT LEAST
SOME OF THE LIMESTONE FRAGMENTS ARE CAVINGS.
- 3330 - 3360 PACKSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
GRAIN TYPE: BIOGENIC; 80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO MEDIUM; GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-30%
OTHER FEATURES: MEDIUM RECRYSTALLIZATION
PARTIALLY DOLOMITIZED PELOID PACKSTONE AND GRAINSTONE. A
FEW THIN LAYERS OF MUDSTONE WITH DARK CARBONACEOUS MATERIAL
ON BEDDING SURFACES.
- 3360 - 3380 GYPSUM; WHITE TO VERY LIGHT ORANGE
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
GOOD INDURATION
ACCESSORY MINERALS: LIMESTONE-20%, DOLOMITE-10%
WHITE FINE CRYSTALLINE GYPSUM OR ANHYDRITE AND DOLOMITIZED
LIMESTONE (OR CALCAREOUS DOLOSTONE) SIMILAR TO THOSE OF
OVERLYING INTERVAL.
- 3380 TOTAL DEPTH

FLORIDA GEOPHYSICAL LOGGING

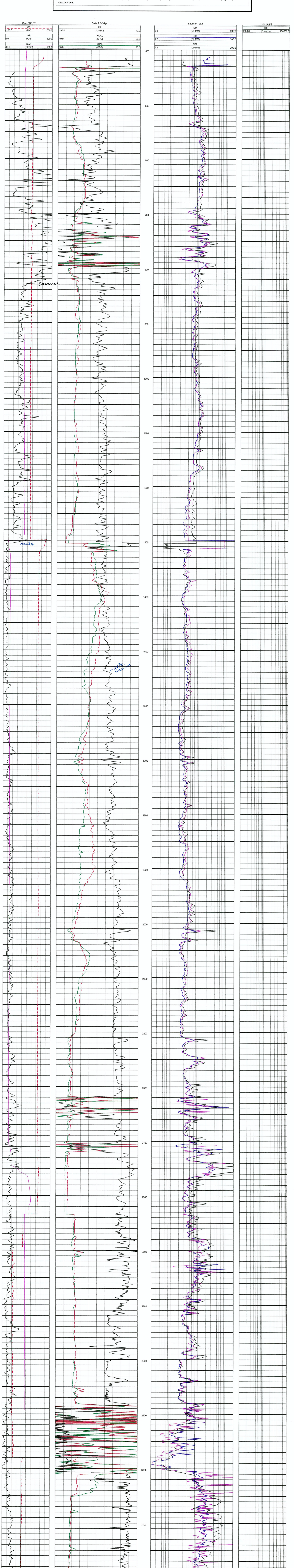
Company: MISSIMER INTERNATIONAL
 Well: NCRWIP IW #2
 Field: NORTH COLLIER
 County: COLLIER State: FLORIDA Country: USA

Location:
 Section: Township: 48S Range: 26E
 Permanent Datum: Pad Level (P.L.) Elevation: API No.:
 Log Measured From: P.L. above Perm. Datum EKF:
 Drilling Measured From: P.L. EDF:
 EGL:

Description	Run 1	Run 2	Run 3	Run 4
Date	12/03/95	12/07/95	1/13/96	2/12/96
Run Number	ONE	THREE	NINE	TEN
Bit Size	48"	12.25	12.25	13.5
Type Fluid	WATER	WATER	WATER	WATER
Top Log Interval	0	420	1310	2490
Bottom Log Interval	435	1308	2475	3210
BHT	N/A	N/A	N/A	89°
Truck	101	102	101	101
Engineer	JONES	WILL/LEE	WILLIAMS	WILL/JONES
Witness	B.MALIVA	TATE/ROME	E.SHAWKEY	SHAMAL/T

Remarks:
 RUN # 10 DEPTH SHIFTED -6 FEET TO MATCH DIL RECORDED ON RUN #9.

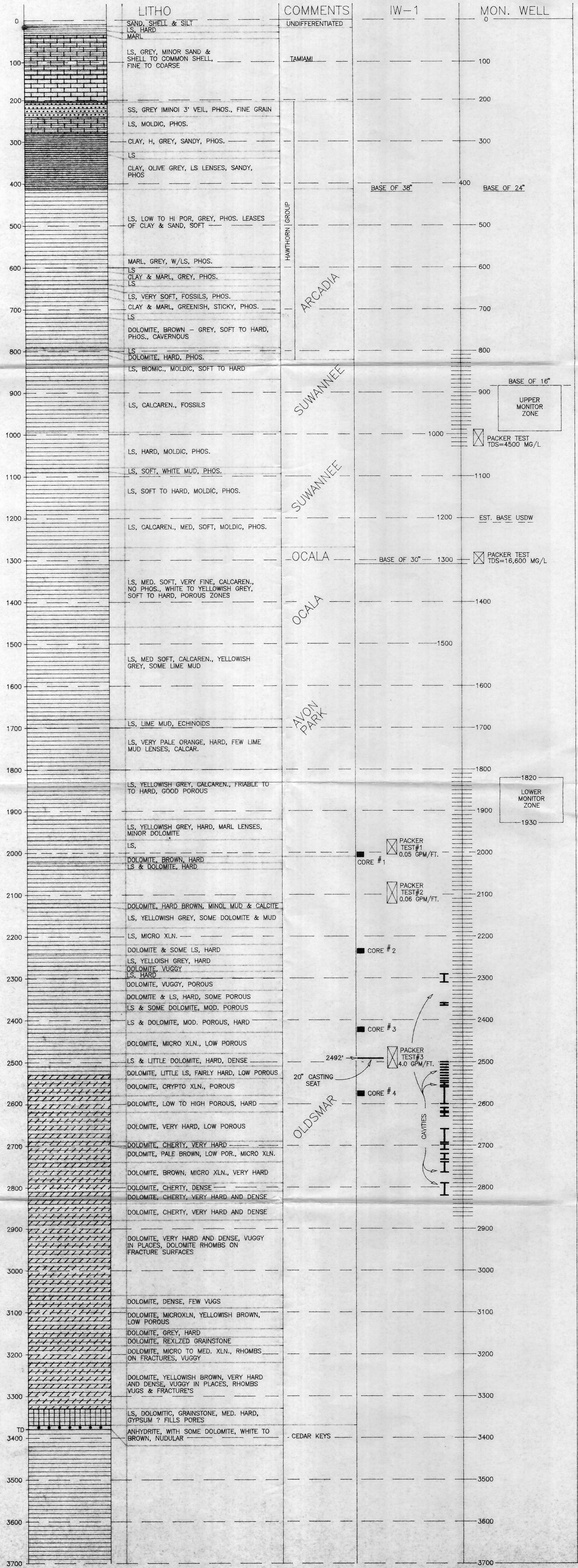
Disclaimer:
 Interpretations are opinions based upon inferences from electrical or other measurements and algorithms, empirical relationships, and assumptions which are not infallible and with respect to which log analysts may differ. Accordingly, <Company Name> cannot and does not guarantee the accuracy or correctness of any interpretation and shall not be liable or responsible for any losses, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents, or employees.



NCCWTP

CO-2317

CO-2318



THEY
LOST 10'
IN THIS AREA

COLLIER COUNTY NCRWTP - INJECTION AND MONITOR WELL SUMMARY DATA

LITHOLOGIC SYMBOL	LITHOLOGIC DESCRIPTION	GEOLOGIC FORMATION	INJECTION WELL CONSTRUCTION AND TESTING DATA	DUAL ZONE MONITOR WELL CONSTRUCTION AND TESTING DATA
0-100	SAND, SHELL, SILT LIMESTONE, HARD MARL	UNDIFFERENTIATED	10-2317	10-2318
100-200	LIMESTONE, GREY, MINOR SAND AND SHELL TO COMMON SHELL, FINE TO COARSE	TAMIAMI		
200-300	SANDSTONE, GREY, MINOR SHELL, PHOSPHATIC, FINE GRAINED LIMESTONE, MOLDIC, PHOSPHATIC	PEACE RIVER		
300-400	CLAY, HARD, GREY, SANDY, PHOSPHATIC LIMESTONE			
400-500	CLAY, OLIVE GREY, LIMESTONE LENSES, SANDY, PHOSPHATIC LIMESTONE, LOW TO HIGH POROSITY, GREY, PHOSPHATIC, LENSES OF CLAY AND SAND, SOFT	HAWTHORN GROUP	BASE OF 38" 425'	BASE OF 24" 425'
500-600	MARL, GRAY, WHITE LIMESTONE, PHOSPHATIC LIMESTONE	ARCADIA		
600-700	CLAY AND MARL, GREY, PHOSPHATIC LIMESTONE LIMESTONE, VERY SOFT, FOSSILS, PHOSPHATIC			
700-800	CLAY AND MARL, GREENISH, STICKY, PHOSPHATIC LIMESTONE DOLOMITE, BROWN-GREY, SOFT-HARD, PHOSPHATIC, CAVERNEOUS LIMESTONE DOLOMITE, HARD, PHOSPHATIC		925'	
800-900	LIMESTONE, BIOMICRITIC, MOLDIC, SOFT-HARD LIMESTONE, CALCARENITIC, FOSSILS	SUWANNEE		BASE OF 16" - 900'
900-1000	LIMESTONE, HARD, MOLDIC, PHOSPHATIC LIMESTONE, SOFT, WHITE MUD, PHOSPHATIC			
1000-1100	LIMESTONE, SOFT TO HARD, MOLDIC, PHOSPHATIC			ESTIMATED BASE USDW
1100-1200	LIMESTONE, CALCARENITIC, MEDIUM SOFT, MOLDIC, PHOSPHATIC	OCALA GROUP		
1200-1300	LIMESTONE, MEDIUM SOFT, VERY FINE, CALCARENITIC, NO PHOSPHATE, WHITE TO YELLOWISH GREY, SOFT TO HARD, POROUS ZONES			BASE OF 30" 1310'
1300-1400	LIMESTONE, MEDIUM SOFT, CALCARENITIC, YELLOWISH GREY, SOME LIME MUD	AVON PARK		
1400-1500	LIMESTONE AND LIME MUD, ECHINOIDS LIMESTONE, VERY PALE ORANGE, HARD, FEW LIME MUD LENSES, CALCARENITIC			
1500-1600	LIMESTONE, YELLOWISH GREY, CALCARENITIC, FRIABLE TO HARD, GOOD POROSITY			1815' LOWER MONITOR ZONE
1600-1700	LIMESTONE, YELLOWISH GREY, HARD, MARL LENSES, MINOR DOLOMITE LIMESTONE			1830' = TD
1700-1800	DOLOMITE, BROWN, HARD LIMESTONE AND DOLOMITE, HARD LIMESTONE, VERY LIGHT GREY, SOFT TO HARD		PACKER TEST #1 SPEC. CAP = 0.05 gpm/ft 2012 to 1990' 2022 to 2021' CORE #1	
1800-1900	DOLOMITE, HARD BROWN, MINOR MUD AND CALCITE LIMESTONE, YELLOWISH GREY, SOME DOLOMITE AND MUD LIMESTONE, MICROCRYSTALLINE DOLOMITE AND SOME LIMESTONE, HARD LIMESTONE, YELLOWISH GREY, HARD DOLOMITE, VUGGY LIMESTONE, HARD		PACKER TEST #2 0.06 gpm/ft CORE #2 2,252' 2,262'	
1900-2000	DOLOMITE, VUGGY, POROUS DOLOMITE AND LIMESTONE, HARD, SOME POROSITY LIMESTONE AND SOME DOLOMITE, MODERATE POROSITY LIMESTONE AND DOLOMITE, MODERATE POROSITY, HARD DOLOMITE, MICROCRYSTALLINE, LOW POROSITY		PACKER TEST #3 4.0 gpm/ft CORE #3 (2432 to 2443) BASE OF 16" PACKER 2450' 2492' 20" CASING SEAT 2512' CORE #4 4.0 gpm/ft (2582 to 2588.5)	
2000-2100	LIMESTONE AND LITTLE DOLOMITE, HARD, DENSE DOLOMITE AND LITTLE LIMESTONE, FAIRLY HARD, LOW POROSITY DOLOMITE, MICROCRYSTALLINE, POROUS DOLOMITE, LOW TO HIGH POROSITY, HARD DOLOMITE, VERY HARD, LOW POROSITY	OLDSMAR		
2100-2200	DOLOMITE, CHERTY, VERY HARD DOLOMITE, PALE BROWN, LOW POROSITY, MICROCRYSTALLINE DOLOMITE, BROWN, MICROCRYSTALLINE, VERY HARD DOLOMITE, CHERTY, DENSE DOLOMITE & CHERTY DOLOMITE, VERY HARD AND DENSE DOLOMITE, CHERTY, VERY HARD AND DENSE			
2200-2300	DOLOMITE, VERY HARD AND DENSE, VUGGY IN PLACES, DOLOMITE RHOMBS ON FRACTURE SURFACES DOLOMITE, DENSE, FEW VUGS DOLOMITE, MICROCRYSTALLINE YELLOWISH BROWN, LOW POROSITY DOLOMITE, GREY, HARD DOLOMITE, RELZED GRAINSTONE DOLOMITE, MICRO TO MEDIUM CRYSTALLINE, RHOMBS ON FRACTURES, VUGGY DOLOMITE, YELLOWISH BROWN, VERY HARD AND DENSE, VUGGY IN PLACES, RHOMBS LINE VUGS AND FRACTURES			CAVITIES BOULDER ZONE
2300-2400	LIMESTONE, DOLOMITIC, GRAINSTONE, MEDIUM HARD, GYPSUM ? FILLS PORES ANHYDRITE, WITH SOME DOLOMITE, WHITE TO BROWN, NUDULAR	CEDAR KEYS		