

Executive Summary
ROMP Site TR 17-3
Chloride Monitor and Core

Location - ROMP Site TR 17-3 is located approximately 0.2 miles southeast of the intersection of the U.S. 52 entrance to Timber Oaks and Ponderosa Avenue in Pasco County. The site is located in Section 11, Township 25 South, Range 16 East and at latitude 28°19'20", longitude 82°40'38".

Site Easement - The site was obtained from U.S. Home Corporation on February 28, 1978 for the sum of ten dollars. The Perpetual Easement is 20 feet by 20 feet and is contained in the Temporary Construction Easement which was 100 feet by 100 feet. The Temporary Easement was also obtained on February 28, 1978 for a period of 12 months which expired on February 27, 1979. These easements are recorded in O.R. Book 934, Pages 571 through 580 of Pasco County, Florida.

Reason for Coring - Core and water samples were obtained at this site in order to locate and define the 250 milligram per liter (mg/l) isochlor and the thickness of the freshwater-saltwater interface.

Geology - The site is located on the Pamlico Terrace at an elevation of approximately 20 feet above mean sea level (msl). The geology at this site was described from analysis of core samples that were obtained to a depth of 525 feet below land surface datum (LSD). The generalized geology of this site is as follows:

- 0-45' Sand and Clay
- 45'-295' Tampa and Suwannee Limestones
- 295'-455' Ocala Group
- 455'-525' Avon Park Limestone

Hydrogeology - The water levels at this site ranged from 25.01 to 25.97 feet below LSD. These water levels follow a cyclic rise and fall on a

daily and day to day basis which would indicate that they are influenced by the tides in the Gulf of Mexico.

Core Drilling - The coring of this site was completed under Contract R171 by McGregor Pump Company at a cost of \$8,056 or \$26.85 per foot.

Core samples of 3 inch diameter were obtained from 225 to 525 feet below LSD. These samples were described by the field geologist and boxed up to be sent to the Bureau of Geology for in-depth analysis. Upon completion of the coring operations the core hole was grouted with a neat cement slurry from 525 to 200 feet below LSD.

Well Construction - The monitor well was constructed by McGregor Pump Company under Contract R171 at a cost of \$6,801 or \$34.61 per foot. The well was constructed by using 53 feet of 14 inch steel work casing and 184 feet of 6 inch PVC. During construction it was necessary to set 20 feet of 12 inch PVC casing at a depth of 44 to 64 feet below LSD in order to seal off some loose material. Upon completion of grouting operations the well was drilled out to 196.5 feet below LSD and developed.

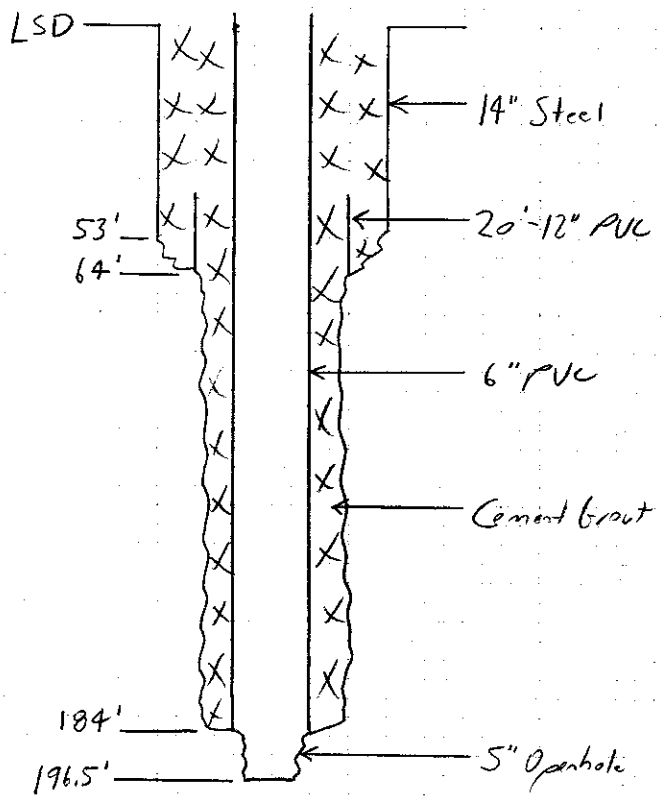
Geophysical Logs - Caliper, gamma, and temperature logs were made on the core hole to a depth of 491 feet below LSD.

Type of Monitor - This well is designed to monitor the freshwater-saltwater interface at the 250 mg/l isochlor.

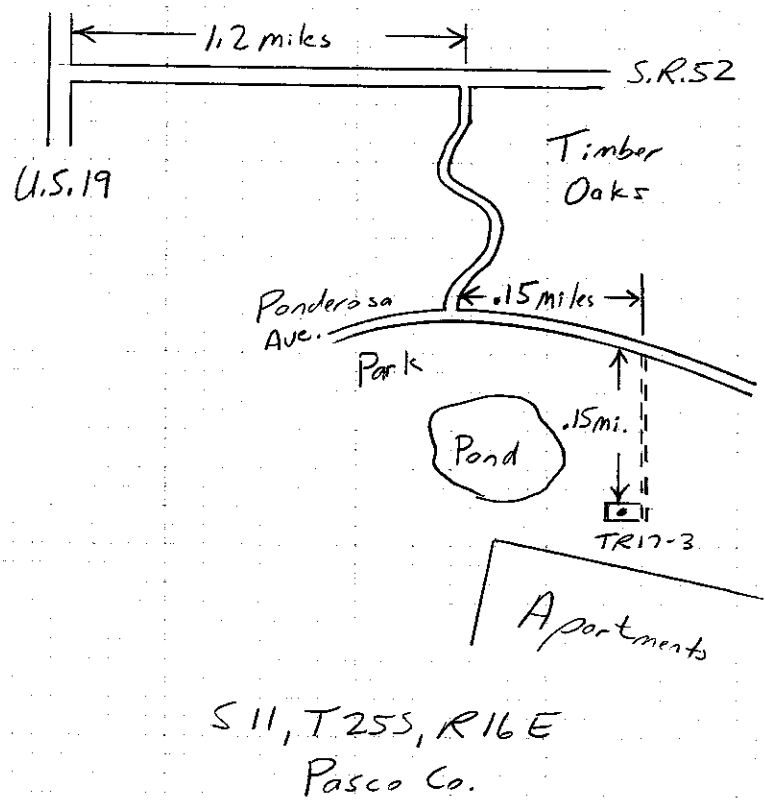
Water Quality - The potable water zone (less than 250 mg/l chlorides) extends down to around 195 feet below LSD at this site. The freshwater-saltwater interface was penetrated at this site and lies approximately between 195 and 415 feet below LSD. A total of 34 water samples were obtained at this site and analyzed for pH, alkalinity, hardness, calcium, magnesium, iron, conductivity, chlorides, sulfates, and color.

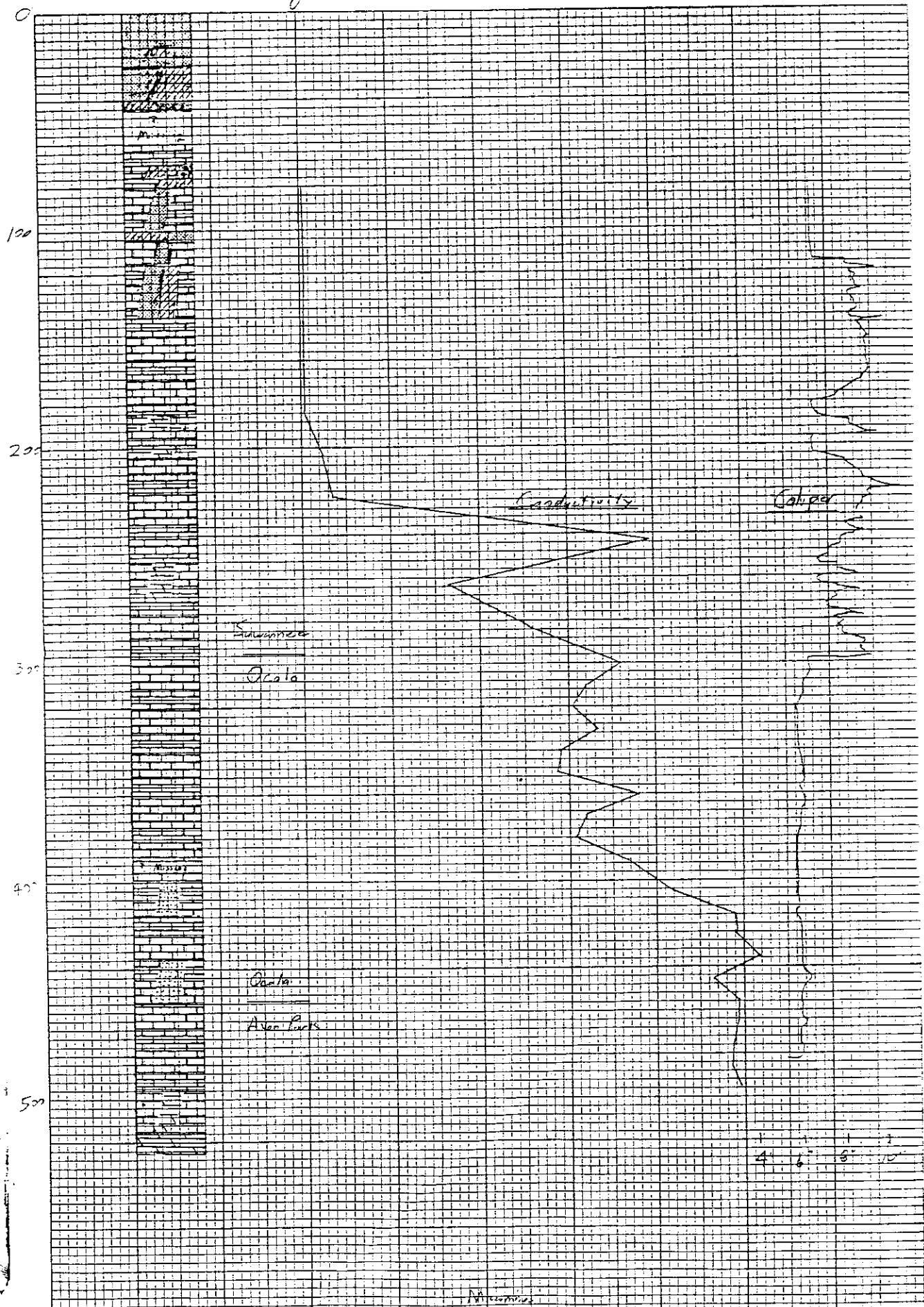
USGS Notification - SWFWMD Planning Section was notified on 5/15/79 that this well was completed.

As Built
Well Diagram



Site Location





TR 17-3

Resistivity
0 10,000 20,000 30,000 40,000

4 6 8 10

LITHOLOGIC WELL LOG PRINTOUT

SOURCE - FGS

WELL NUMBER: W- 14675

COUNTY - PASCO

TOTAL DEPTH: 00525 FT.

LOCATION: T.25S R.16E S.11

SAMPLES - NONE

LAT = N 28D 19M 20

LOW = W 82D 40M 38

COMPLETION DATE - 10/24/78

ELEVATION - 020 FT

OTHER TYPES OF LOGS AVAILABLE - TEMP, GAMMA

OWNER/DRILLER: SWFWMD; MCGREGOR PUMP CO.; ROMP SITE TR 17-3.

WORKED BY: STRASSER; CODED AND ENTERED BY RICHARD GREEN 12\90 FROM A GEOLOGIST'S
LOG PROVIDED BY SWFWMD; ROMP SITE TR 17-3 IS LOCATED APPROX. 0.2
MILES SOUTHEAST OF THE INTERSECTION OF US 52 ENTRANCE TO
TIMBER OAKS AND PONDEROSA AVENUE IN PASCO COUNTY.
CUTTINGS 0-300', 10' INTERVAL CORE SAMPLES 300-525'.

- 0. - 45. UNDIFFERENTIATED SAND AND CLAY
- 60. - 295. SUWANNEE LIMESTONE
- 295. - 455. OCALA GROUP
- 455. - . AVON PARK FM.

- 0 - 5 SAND; CREAM;
GRAIN SIZE: MEDIUM;

- 5 - 10 SAND; CREAM;
GRAIN SIZE: MEDIUM;
ACCESSORY MINERALS: SHELL-01%;
MINOR COARSE GRAINS AND FINE SHELL FRAGMENTS.

- 10 - 15 AS ABOVE

- 15 - 20 SAND; ; RANGE: MEDIUM TO COARSE;
ACCESSORY MINERALS: CLAY- %, SILT-%;
WITH MINOR PURPLISH BROWN SILTY CLAY.

- 20 - 25 SAND; CREAM;
GRAIN SIZE: MEDIUM;
ACCESSORY MINERALS: SHELL-01%;
TRACE OF FINE SHELL FRAGMENTS.

- 25 - 30 SAND; LIGHT GRAY TO CREAM;
ACCESSORY MINERALS: CLAY-%;
GRAYISH CREAM CLAY.

- 30 - 35 SAND; ;
AND SMALL LENSES OF COARSE, GRAY AND TAN CLAY.

- 35 - 40 AS ABOVE

- 40 - 45 NO SAMPLES
- 45 - 50 NO SAMPLES
- 50 - 55 NO SAMPLES
- 55 - 60 NO SAMPLES
- 60 - 65 LIMESTONE; WHITE TO CREAM;
POOR INDURATION;
OTHER FEATURES: CHALKY;
FOSSILS: FOSSIL FRAGMENTS;
FRIABLE, CRUMBLY, WEAKLY LITHIFIED IN ZONES.
- 65 - 70 LIMESTONE; WHITE TO CREAM; FRACTURE;
POOR INDURATION;
ACCESSORY MINERALS: CHERT- %;
OTHER FEATURES: FOSSILIFEROUS;
FRIABLE, WHITISH CHERT. FRACTURED TEXTURE.
- 70 - 75 LIMESTONE; TAN;
MODERATE INDURATION;
ACCESSORY MINERALS: CHERT- %;
OTHER FEATURES: FOSSILIFEROUS;
LITHIFIED, MINOR FOSSILS, SOME MINOR REDDISH/ORANGE CLAYEY MARLS.
- 75 - 80 LIMESTONE; WHITE TO LIGHT TAN;
POOR INDURATION;
ACCESSORY MINERALS: CHERT- %;
FOSSILS: FOSSIL FRAGMENTS;
FOSSILS AND SHELL FRAGMENTS, WHITISH GRAY CLAY.
- 80 - 85 LIMESTONE; WHITE TO CREAM;
POOR INDURATION;
ACCESSORY MINERALS: QUARTZ SAND- %, CHERT-%;
MINOR SHELLS AND FOSSILS. FRIABLE.
- 85 - 90 LIMESTONE; ;
SAME AS 80-85'. MINOR REDDISH\ORANGE STAINING.
- 90 - 95 AS ABOVE
- 95 - 100 AS ABOVE
- 100 - 105 AS ABOVE
YELLOWISH CLAY, SAND, CHERT.
- 105 - 110 AS ABOVE
SOMEWHAT FINER GRAINED.

- 110 - 115 AS ABOVE
- 115 - 120 LIMESTONE; CREAM TO WHITE;
POOR INDURATION;
ACCESSORY MINERALS: QUARTZ SAND- %, CLAY-%;
FOSSILS AND SHELLS, MINOR SAND AND YELLOWISH CLAY OR MARL FRACTION, FRIABLE.
- 120 - 125 AS ABOVE
SOME LT TAN CLAY WITH YELLOW/ORANGE MARL.
- 125 - 130 AS ABOVE
- 130 - 135 AS ABOVE
- 135 - 140 AS ABOVE
LS CHANGED TO MORE TAN TO LT GRAY.
- 140 - 145 LIMESTONE; LIGHT TAN TO LIGHT GRAY; POSSIBLY HIGH PERMEABILITY;
POOR INDURATION;
OTHER FEATURES: FOSSILIFEROUS;
FRIABLE, HIGH POROSITY AND PERMEABILITY.
- 145 - 150 AS ABOVE
PACKED BIOMICRITE.
- 150 - 155 AS ABOVE
- 155 - 160 AS ABOVE
- 160 - 165 AS ABOVE
- 165 - 170 AS ABOVE
LS- CLEAN GRADED INTO DIRTY GRAY. INTRA PACKED BIOMICRITE.
- 170 - 175 LIMESTONE; LIGHT GRAY TO LIGHT TAN; POSSIBLY HIGH PERMEABILITY, MOLDIC;
POOR INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
OTHER FEATURES: LOW RECRYSTALLIZATION, FOSSILIFEROUS;
POORLY WASHED TO PACKED INTRA-BIOMICRITE, FRIABLE, HIGH MOLDIC POROSITY AND
PERMEABILITY.
- 175 - 180 AS ABOVE
FOSSILIFEROUS, MINOR LENSES OF ORGANICS IN LS.

- 110 - 115 AS ABOVE
- 115 - 120 LIMESTONE; CREAM TO WHITE;
POOR INDURATION;
ACCESSORY MINERALS: QUARTZ SAND- %, CLAY-%;
FOSSILS AND SHELLS, MINOR SAND AND YELLOWISH CLAY OR MARL FRACTION, FRIABLE.
- 120 - 125 AS ABOVE
SOME LT TAN CLAY WITH YELLOW/ORANGE MARL.
- 125 - 130 AS ABOVE
- 130 - 135 AS ABOVE
- 135 - 140 AS ABOVE
LS CHANGED TO MORE TAN TO LT GRAY.
- 140 - 145 LIMESTONE; LIGHT TAN TO LIGHT GRAY; POSSIBLY HIGH PERMEABILITY;
POOR INDURATION;
OTHER FEATURES: FOSSILIFEROUS;
FRIABLE, HIGH POROSITY AND PERMEABILITY.
- 145 - 150 AS ABOVE
PACKED BIOMICRITE.
- 150 - 155 AS ABOVE
- 155 - 160 AS ABOVE
- 160 - 165 AS ABOVE
- 165 - 170 AS ABOVE
LS- CLEAN GRADED INTO DIRTY GRAY. INTRA PACKED BIOMICRITE.
- 170 - 175 LIMESTONE; LIGHT GRAY TO LIGHT TAN; POSSIBLY HIGH PERMEABILITY, MOLDIC;
POOR INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
OTHER FEATURES: LOW RECRYSTALLIZATION, FOSSILIFEROUS;
POORLY WASHED TO PACKED INTRA-BIOMICRITE, FRIABLE, HIGH MOLDIC POROSITY AND
PERMEABILITY.
- 175 - 180 AS ABOVE
FOSSILIFEROUS, MINOR LENSES OF ORGANICS IN LS.

- 180 - 185 LIMESTONE; LIGHT TAN TO CREAM; POSSIBLY HIGH PERMEABILITY, MOLDIC;
POOR INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
OTHER FEATURES: FOSSILIFEROUS;
POORLY WASHED TO PACKED BIOMICRITE, FRIABLE, HIGH MOLDIC POROSITY AND
PERMEABILITY.
- 185 - 190 LIMESTONE; LIGHT TAN TO LIGHT BROWN; FRACTURE, MOLDIC, LOW PERMEABILITY;
GOOD INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
OTHER FEATURES: DOLOMITIC;
MICRITE, WELL LITHIFIED, FRIABLE, MINOR MOLDIC POROSITY AND PERMEABILITY, MINOR
FOSSILS.
- 190 - 195 LIMESTONE; LIGHT TAN TO CREAM; MOLDIC;
MODERATE INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
OTHER FEATURES: FOSSILIFEROUS;
FOSSILIFEROUS MICRITE, WEAK-WELL LITHIFIED, ABUNDANT FOSSIL TESTS.
- 195 - 200 LIMESTONE; ;
SAME AS 185-190'. VERY FOSSILIFEROUS.
- 200 - 205 LIMESTONE; LIGHT BROWN TO LIGHT TAN; FRACTURE;
POOR INDURATION;
POORLY WASHED BIOSPARITE, FRIABLE, MINOR SHELL FRAGMENTS, MINOR AMOUNT OF
DOLOMITE, LENSES OF HARD TO SOFT LS.
- 205 - 210 AS ABOVE
POORLY WASHED TO UNSORTED BIOSPARITE, INTERBEDDED W/ LENSES OF ORGANIC MATERIAL.
- 210 - 215 LIMESTONE; LIGHT TAN TO CREAM; POSSIBLY HIGH PERMEABILITY, MOLDIC;
POOR INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
ACCESSORY MINERALS: ORGANICS- %;
OTHER FEATURES: FOSSILIFEROUS;
PACKED BIOMICRITE TO FOSSILIFEROUS MICRITE, FRIABLE, LENSES OF MODERATELY
LITHIFIED LS, MINOR ORGANICS, HIGH MOLDIC POROSITY AND PERMEABILITY.
- 215 - 220 AS ABOVE
- 220 - 250 AS ABOVE
- 250 - 255 AS ABOVE
RECRYSTALLIZED LIMESTONE AND LENSES OF SOME DOLOMITIC LIMESTONE LIGHT BROWN TO
BROWN.
- 255 - 260 AS ABOVE

- 260 - 265 AS ABOVE
- 265 - 270 AS ABOVE
MICRITE, VERY PASTY, LT GRAYISH TO TAN.
- 270 - 275 LIMESTONE; LIGHT TAN TO CREAM; POSSIBLY HIGH PERMEABILITY, MOLDIC;
POOR INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
PACKED BIOMICRITE, HIGH MOLDIC POROSITY AND PERMEABILITY; FRIABLE
- 275 - 280 LIMESTONE; ;
SAME AS ABOVE.
- 280 - 285 LIMESTONE; LIGHT TAN TO CREAM; POSSIBLY HIGH PERMEABILITY, MOLDIC;
POOR INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
FOSSILS: FOSSIL FRAGMENTS;
PACKED BIOMICRITE, FRIABLE, HIGH MOLDIC POROSITY AND PERM., SHELL FOSSIL
FRAGMENTS, VERY CLEAN.
- 285 - 295 AS ABOVE
- 295 - 300 AS ABOVE
VERY FOSSILIFEROUS, HIGH MOLDIC POROSITY AND PERMEABILITY.
- 300 - 302.5 NO SAMPLES
- 302.5- 310 LIMESTONE; LIGHT TAN TO CREAM; MOLDIC;
POOR INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
SPARSE BIOMICRITE, FRIABLE, EARTHY. FOSSILIFEROUS, LENSES OF VERY FOSSILIFEROUS
MICRITE TO LENSES OF PACKED BIOMICRITE.
- 310 - 385 AS ABOVE
- 385 - 390 LIMESTONE; LIGHT TAN TO CREAM; POSSIBLY HIGH PERMEABILITY, MOLDIC;
MODERATE INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
OTHER FEATURES: FOSSILIFEROUS;
POORLY WASHED BIOSPARITE, FRIABLE, FOSSILIFEROUS, LENSES OF PASTY MICRITE, HIGH
MOLDIC POROSITY AND PERM., WEAK-GOOD LITHIFICATION.
- 390 - 395 NO SAMPLES
LOST DUE TO CAVITY OR VERY SOFT FORMATION.
- 395 - 398 LIMESTONE; ;
SAME AS 385-390'.

- 398 - 405 LIMESTONE; LIGHT TAN TO CREAM; POSSIBLY HIGH PERMEABILITY, MOLDIC;
POOR INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
ACCESSORY MINERALS: QUARTZ SAND- %, CALCILUTITE- %;
OTHER FEATURES: FOSSILIFEROUS, COQUINA;
POORLY WASHED BIOSPARITE, FOSSIL HASH, HIGH MOLDIC POROSITY AND PERM., BURROWS,
MINOR SAND AND LENSES OF PASTY MICRITE.
- 405 - 415 AS ABOVE
- 415 - 421 LIMESTONE; LIGHT TAN TO CREAM; MOLDIC;
POOR INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
OTHER FEATURES: FOSSILIFEROUS;
SPARSE BIOMICRITE TO FOSSILIFEROUS BIOMICRITE, POORLY LITHIFIED WITH ZONES OF
PASTY MICRITE, MINOR MOLDIC POROSITY AND PERMEABILITY.
- 421 - 425 LIMESTONE; LIGHT TAN TO TAN; POSSIBLY HIGH PERMEABILITY, MOLDIC;
GOOD INDURATION;
OTHER FEATURES: DOLOMITIC;
UNSORTED TO POORLY WASHED BIOSPARITE, HIGH MOLDIC POROSITY AND PERM., SOME
DOLOMITIZATION IN BURROWS.
- 425 - 435 LIMESTONE; TAN TO BROWN; MOLDIC;
POOR INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
OTHER FEATURES: FOSSILIFEROUS;
POORLY WASHED BIOSPARITE, FRIABLE, FOSSIL HASH, MEDIUM MOLDIC POROSITY AND
PERMEABILITY, MINOR PASTY ZONES OF MICRITE.
- 435 - 445 AS ABOVE
LT TAN-TAN, MINOR SAND FRACTION, WEAKLY LITHIFIED.
- 445 - 455 LIMESTONE; LIGHT TAN TO TAN; POSSIBLY HIGH PERMEABILITY, MOLDIC;
POOR INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
ACCESSORY MINERALS: QUARTZ SAND- %;
OTHER FEATURES: FOSSILIFEROUS;
PACKED BIOMICRITE TO POORLY WASHED BIOSPARITE, EARTHY, FRIABLE, HIGH MOLDIC
POROSITY AND PERM., MINOR SAND FRACTION, BECOMING VERY PASTY MICRITE W/ DEPTH.
POOR-WEAKLY LITHIFIED.
- 455 - 465 LIMESTONE; LIGHT TAN TO TAN; POSSIBLY HIGH PERMEABILITY, MOLDIC;
POOR INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
OTHER FEATURES: FOSSILIFEROUS;
PACKED BIOMICRITE TO POORLY WASHED BIOSPARITE, FRIABLE, HIGH MOLDIC POROSITY AND
PERM., FOSSIL HASH, WEAK-POORLY LITHIFIED.

- 398 - 405 LIMESTONE; LIGHT TAN TO CREAM; POSSIBLY HIGH PERMEABILITY, MOLDIC;
POOR INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
ACCESSORY MINERALS: QUARTZ SAND- %, CALCILUTITE- %;
OTHER FEATURES: FOSSILIFEROUS, COQUINA;
POORLY WASHED BIOSPARITE, FOSSIL HASH, HIGH MOLDIC POROSITY AND PERM., BURROWS,
MINOR SAND AND LENSES OF PASTY MICRITE.
- 405 - 415 AS ABOVE
- 415 - 421 LIMESTONE; LIGHT TAN TO CREAM; MOLDIC;
POOR INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
OTHER FEATURES: FOSSILIFEROUS;
SPARSE BIOMICRITE TO FOSSILIFEROUS BIOMICRITE, POORLY LITHIFIED WITH ZONES OF
PASTY MICRITE, MINOR MOLDIC POROSITY AND PERMEABILITY.
- 421 - 425 LIMESTONE; LIGHT TAN TO TAN; POSSIBLY HIGH PERMEABILITY, MOLDIC;
GOOD INDURATION;
OTHER FEATURES: DOLOMITIC;
UNSORTED TO POORLY WASHED BIOSPARITE, HIGH MOLDIC POROSITY AND PERM., SOME
DOLOMITIZATION IN BURROWS.
- 425 - 435 LIMESTONE; TAN TO BROWN; MOLDIC;
POOR INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
OTHER FEATURES: FOSSILIFEROUS;
POORLY WASHED BIOSPARITE, FRIABLE, FOSSIL HASH, MEDIUM MOLDIC POROSITY AND
PERMEABILITY, MINOR PASTY ZONES OF MICRITE.
- 435 - 445 AS ABOVE
LT TAN-TAN, MINOR SAND FRACTION, WEAKLY LITHIFIED.
- 445 - 455 LIMESTONE; LIGHT TAN TO TAN; POSSIBLY HIGH PERMEABILITY, MOLDIC;
POOR INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
ACCESSORY MINERALS: QUARTZ SAND- %;
OTHER FEATURES: FOSSILIFEROUS;
PACKED BIOMICRITE TO POORLY WASHED BIOSPARITE, EARTHY, FRIABLE, HIGH MOLDIC
POROSITY AND PERM., MINOR SAND FRACTION, BECOMING VERY PASTY MICRITE W/ DEPTH.
POOR-WEAKLY LITHIFIED.
- 455 - 465 LIMESTONE; LIGHT TAN TO TAN; POSSIBLY HIGH PERMEABILITY, MOLDIC;
POOR INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
OTHER FEATURES: FOSSILIFEROUS;
PACKED BIOMICRITE TO POORLY WASHED BIOSPARITE, FRIABLE, HIGH MOLDIC POROSITY AND
PERM., FOSSIL HASH, WEAK-POORLY LITHIFIED.

- 465 - 470 AS ABOVE
- 470 - 472 LIMESTONE; TAN TO BROWN;
ARGILLACEOUS MICRITE, PASTY, LENSES OF ORGANICS, FRIABLE, FOSSILIFEROUS.
- 472 - 476 LIMESTONE; ;
SAME AS 455-465'.
- 476 - 483 LIMESTONE; LIGHT TAN TO TAN; POSSIBLY HIGH PERMEABILITY, MOLDIC;
POOR INDURATION;
CEMENT TYPE(S): SPARRY CALCITE CEMENT;
OTHER FEATURES: FOSSILIFEROUS;
PACKED TO POORLY WASHED BIOSPARITE, FRIABLE, HIGH MOLDIC POROSITY AND
PERMEABILITY, FOSSILIFEROUS.
- 483 - 485 LIMESTONE; ;
SAME AS 472-475'. MINOR LENSES AT ABOUT 483-484' OF GRAY MICRITE, SOMEWHAT
ORGANIC WITH LENSES.
- 485 - 495 AS ABOVE
BECOMING SOMEWHAT PASTY WITH DEPTH. ENCOUNTERED VOIDS OF ABOUT 2-4' THICK, MAY
HAVE LOST SOME CORE.
- 495 - 505 LIMESTONE; LIGHT TAN TO BROWN; POSSIBLY HIGH PERMEABILITY, MOLDIC;
GOOD INDURATION;
ACCESSORY MINERALS: ORGANICS- %;
OTHER FEATURES: DOLOMITIC, FOSSILIFEROUS;
POORLY WASHED BIOSPARITE, LENSE OF SOME DOLOMITIZATION, HIGH MOLDIC POROSITY AND
PERM., LENSES OF PASTY MICRITE THROUGHOUT SECTION, MINOR ORGANICS (LIGNITE?).
- 505 - 515 LIMESTONE; ;
LARGE CAVITY ZONE. TWO CAVITIES EACH ABOUT 2-4' THICK WITH LENSES IN BETWEEN.
WASHING WATER WAS DARK GRAY COLORED LIME OR MICRITE, VERY FOSSILIFEROUS,
CONTAINING BLACK LIGNITE PARTICLES WITH SOME DOLOMITE WHICH WAS LIGHT GRAY.
RECOVERED ONE BAG OF SAMPLE.
- 515 - 525 DOLOSTONE; BROWN; FRACTURE, POSSIBLY HIGH PERMEABILITY, MOLDIC;
GOOD INDURATION;
HARD DOLOMITE, LENSES OF HIGH MOLDIC POROSITY AND PERM., SOME ORGANICS
(LIGNITE), DOLOMITIC REPLACEMENT OF FOSSILS, LENSES OF HARD TO MODERATELY HARD
DOLOMITE.
- 525 TOTAL DEPTH

LITHOLOGIC WELL LOG PRINTOUT

SOURCE - FGS

WELL NUMBER: W- 14675

COUNTY - PASCO

TOTAL DEPTH: 00525 FT.

LOCATION: T.25S R.16E S.11

SAMPLES - NONE

LAT = N 28D 19M 20

LOX = W 82D 40M 38

COMPLETION DATE - 10/24/78

ELEVATION - 020 FT

OTHER TYPES OF LOGS AVAILABLE - NONE

OWNER/DRILLER: SWFWMD; MCGREGGOR PUMP CO.; ROMP SITE TR 17-3.

WORKED BY: CODED AND ENTERED BY RICHARD GREEN (CUTTINGS DESCRIPTIONS) AND T.L. SEAL (CORE DESCRIPTIONS).

ROMP SITE TR 17-3 IS LOCATED APPROX. 0.2 MILES SOUTHEAST OF THE INTERSECTION OF US 52 ENTRANCE TO TIMBER OAKS AND PONDEROSA AVENUE IN PASCO COUNTY. CUTTINGS 0-300', 10' INTERVAL CORE SAMPLES 300-525'.

0. - 40. UNDIFFERENTIATED SAND AND CLAY
40. - 60. NO SAMPLES
60. - 275. SUWANNEE LIMESTONE
275. - 410. OCALA GROUP
410. - . AVON PARK FM.

0 - 5 SAND; VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN SIZE: FINE; RANGE: MEDIUM TO FINE;
ROUNDNESS: ROUNDED TO SUB-ANGULAR; MEDIUM SPHERICITY; UNCONSOLIDATED;

5 - 10 SAND; VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO MEDIUM;
ROUNDNESS: ROUNDED TO SUB-ANGULAR; MEDIUM SPHERICITY; UNCONSOLIDATED;
ACCESSORY MINERALS: SHELL-01%;

10 - 15 SAND; VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO MEDIUM;
ROUNDNESS: ROUNDED TO SUB-ANGULAR; MEDIUM SPHERICITY; UNCONSOLIDATED;

15 - 20 AS ABOVE

20 - 25 AS ABOVE
MINOR PIECES OF CARBONATE-CEMENTED SAND WITH TRACE PHOSPHATE

25 - 30 SAND; VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE; UNCONSOLIDATED;

30 - 35 SAND; VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE; UNCONSOLIDATED;
ACCESSORY MINERALS: IRON STAIN-01%;

- 35 - 40 SAND; VERY LIGHT ORANGE TO LIGHT BROWN; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE; POOR INDURATION;
CEMENT TYPE(S): CLAY MATRIX;
ACCESSORY MINERALS: IRON STAIN- %, SHELL-01%;
- 40 - 60 NO SAMPLES
- 60 - 65 LIMESTONE; WHITE; INTERGRANULAR, LOW PERMEABILITY;
GRAIN TYPE: BIOGENIC, CALCILUTITE;
GOOD INDURATION;
CONTAINS PIECES OF GRAY, SANDY, PHOSPHATIC (VERY FINE) CARBONATE
- 65 - 70 LIMESTONE; WHITE TO VERY LIGHT ORANGE; INTERGRANULAR, LOW PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
MODERATE INDURATION;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION;
FOSSILS: ECHINOID, BENTHIC FORAMINIFERA, FOSSIL FRAGMENTS;
- 70 - 75 LIMESTONE; VERY LIGHT ORANGE; INTERGRANULAR, LOW PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
MODERATE INDURATION;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION;
FOSSILS: ECHINOID, FOSSIL FRAGMENTS;
- 75 - 80 AS ABOVE
SOME PALE YELLOWISH-BROWN CLAY FRAGMENTS
- 80 - 85 LIMESTONE; VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
MODERATE INDURATION;
FOSSILS: BRYOZOA, MOLLUSKS, FOSSIL FRAGMENTS, ECHINOID;
- 85 - 90 AS ABOVE
- 90 - 95 AS ABOVE
- 95 - 100 LIMESTONE; WHITE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
POOR INDURATION;
FOSSILS: ECHINOID, FOSSIL FRAGMENTS, MOLLUSKS;
- 100 - 105 LIMESTONE; WHITE TO VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL;
GRAIN SIZE: COARSE; RANGE: MEDIUM TO COARSE; POOR INDURATION;
FOSSILS: ECHINOID, BRYOZOA;
LOOKS LIKE A GRAINSTONE DISAGGREGATED BY DRILLING
- 105 - 110 AS ABOVE

- 110 - 115 AS ABOVE
- 115 - 120 LIMESTONE; WHITE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 70% ALLOCHEMICAL CONSTITUENTS;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, LOW RECRYSTALLIZATION;
FOSSILS: ECHINOID, BRYOZOA;
- 120 - 125 AS ABOVE
- 125 - 130 LIMESTONE; WHITE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 65% ALLOCHEMICAL CONSTITUENTS;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
ACCESSORY MINERALS: SPAR- %;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA, ECHINOID;
SORITES FRAGMENT NOTED
- 130 - 135 LIMESTONE; WHITE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 70% ALLOCHEMICAL CONSTITUENTS;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
ACCESSORY MINERALS: SPAR-01%;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION;
FOSSILS: ECHINOID, BRYOZOA;
- 135 - 140 LIMESTONE; WHITE TO VERY LIGHT GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 60% ALLOCHEMICAL CONSTITUENTS;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
ACCESSORY MINERALS: SPAR-01%;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION;
FOSSILS: ECHINOID, BRYOZOA, CORAL;
- 140 - 145 LIMESTONE; VERY LIGHT GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 90% ALLOCHEMICAL CONSTITUENTS;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, GRANULAR, DOLOMITIC;
FOSSILS: BENTHIC FORAMINIFERA, ALGAE;
PACKSTONE; MINOR CAVINGS - POSSIBLY DOLOMITIC
- 145 - 150 AS ABOVE

- 150 - 155 LIMESTONE; VERY LIGHT GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 80% ALLOCHEMICAL CONSTITUENTS;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, GRANULAR, DOLOMITIC;
FOSSILS: ECHINOID, BENTHIC FORAMINIFERA;
- 155 - 160 LIMESTONE; VERY LIGHT GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 85% ALLOCHEMICAL CONSTITUENTS;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
ACCESSORY MINERALS: SPAR- %;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, HIGH RECRYSTALLIZATION, GRANULAR, DOLOMITIC;
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS;
- 160 - 165 LIMESTONE; VERY LIGHT GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 85% ALLOCHEMICAL CONSTITUENTS;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
ACCESSORY MINERALS: SPAR- %;
OTHER FEATURES: DOLOMITIC, MEDIUM RECRYSTALLIZATION, GRANULAR;
FOSSILS: BRYOZOA, BENTHIC FORAMINIFERA, MOLLUSKS, MILIOLIDS;
- 165 - 170 LIMESTONE; VERY LIGHT GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 95% ALLOCHEMICAL CONSTITUENTS;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
ACCESSORY MINERALS: SPAR- %;
OTHER FEATURES: HIGH RECRYSTALLIZATION, DOLOMITIC, GRANULAR;
FOSSILS: CONES, BENTHIC FORAMINIFERA;
VERY FINE SPAR COATS MOST SURFACES; DOLOMITIC; GRAINSTONE; DICTYOCONUS AMERICANUS NOTED
- 170 - 175 AS ABOVE
- 175 - 180 AS ABOVE
- 180 - 185 AS ABOVE
SLIGHTLY MOLDIC AND LESS RECRYSTALLIZED THAN ABOVE
- 185 - 190 DOLOSTONE; GRAYISH BROWN TO LIGHT OLIVE GRAY; LOW PERMEABILITY;
50-90% ALTERED; SUBHEDRAL;
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO VERY FINE; GOOD INDURATION;
OTHER FEATURES: SUCROSIC;
- 190 - 195 AS ABOVE
ABUNDANT CAVINGS
- 195 - 200 AS ABOVE
LESS CAVINGS

- 150 - 155 LIMESTONE; VERY LIGHT GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 80% ALLOCHEMICAL CONSTITUENTS;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, GRANULAR, DOLOMITIC;
FOSSILS: ECHINOID, BENTHIC FORAMINIFERA;
- 155 - 160 LIMESTONE; VERY LIGHT GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 85% ALLOCHEMICAL CONSTITUENTS;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
ACCESSORY MINERALS: SPAR- %;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION, HIGH RECRYSTALLIZATION, GRANULAR, DOLOMITIC;
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS;
- 160 - 165 LIMESTONE; VERY LIGHT GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 85% ALLOCHEMICAL CONSTITUENTS;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
ACCESSORY MINERALS: SPAR- %;
OTHER FEATURES: DOLOMITIC, MEDIUM RECRYSTALLIZATION, GRANULAR;
FOSSILS: BRYOZOA, BENTHIC FORAMINIFERA, MOLLUSKS, MILIOLIDS;
- 165 - 170 LIMESTONE; VERY LIGHT GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 95% ALLOCHEMICAL CONSTITUENTS;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
ACCESSORY MINERALS: SPAR- %;
OTHER FEATURES: HIGH RECRYSTALLIZATION, DOLOMITIC, GRANULAR;
FOSSILS: CONES, BENTHIC FORAMINIFERA;
VERY FINE SPAR COATS MOST SURFACES; DOLOMITIC; GRAINSTONE; DICTYOCONUS AMERICANUS NOTED
- 170 - 175 AS ABOVE
- 175 - 180 AS ABOVE
- 180 - 185 AS ABOVE
SLIGHTLY MOLDIC AND LESS RECRYSTALLIZED THAN ABOVE
- 185 - 190 DOLOSTONE; GRAYISH BROWN TO LIGHT OLIVE GRAY; LOW PERMEABILITY;
50-90% ALTERED; SUBHEDRAL;
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO VERY FINE; GOOD INDURATION;
OTHER FEATURES: SUCROSIC;
- 190 - 195 AS ABOVE
ABUNDANT CAVINGS
- 195 - 200 AS ABOVE
LESS CAVINGS

- 200 - 205 DOLOSTONE; GRAYISH BROWN; POSSIBLY HIGH PERMEABILITY, PIN POINT VUGS;
50-90% ALTERED; SUBHEDRAL;
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO VERY FINE; GOOD INDURATION;
CEMENT TYPE(S): DOLOMITE CEMENT;
OTHER FEATURES: SUCROSIC;
- 205 - 210 DOLOSTONE; GRAYISH BROWN; POSSIBLY HIGH PERMEABILITY, LOW PERMEABILITY;
10-50% ALTERED; SUBHEDRAL;
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO VERY FINE; GOOD INDURATION;
CEMENT TYPE(S): DOLOMITE CEMENT;
SEDIMENTARY STRUCTURES: LAMINATED,
ACCESSORY MINERALS: ORGANICS- %;
OTHER FEATURES: SUCROSIC, CALCAREOUS;
LAMINATED WITH ORGANICS
- 210 - 215 LIMESTONE; YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 75% ALLOCHEMICAL CONSTITUENTS;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
ACCESSORY MINERALS: SPAR- %;
OTHER FEATURES: DOLOMITIC, GRANULAR;
FOSSILS: ECHINOID, BENTHIC FORAMINIFERA, CONES;
- 215 - 220 AS ABOVE
- 220 - 225 AS ABOVE
MINOR CAVINGS
- 225 - 230 AS ABOVE
- 230 - 235 LIMESTONE; YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 80% ALLOCHEMICAL CONSTITUENTS;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
ACCESSORY MINERALS: SPAR- %;
OTHER FEATURES: DOLOMITIC, GRANULAR;
FOSSILS: ECHINOID, MOLLUSKS, CONES, BENTHIC FORAMINIFERA;
- 235 - 240 LIMESTONE; YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY, INTERCRYSTALLINE;
GRAIN TYPE: BIOGENIC, CRYSTALS, BIOGENIC; 85% ALLOCHEMICAL CONSTITUENTS;
GRAIN SIZE: MEDIUM; RANGE: COARSE TO FINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT;
ACCESSORY MINERALS: SPAR- %;
OTHER FEATURES: GRANULAR, HIGH RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA;
- 240 - 245 AS ABOVE
SLIGHTLY LESS RECRYSTALLIZED, MINOR CAVINGS

- 245 - 250 LIMESTONE; YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 85% ALLOCHEMICAL CONSTITUENTS;
GRAIN SIZE: MEDIUM; RANGE: MEDIUM TO FINE; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
ACCESSORY MINERALS: SPAR- %;
OTHER FEATURES: GRANULAR, MEDIUM RECRYSTALLIZATION;
FOSSILS: BENTHIC FORAMINIFERA, CONES;
PACKSTONE; DOLOMITIC?
- 250 - 255 DOLOSTONE; GRAYISH BROWN; LOW PERMEABILITY, PIN POINT VUGS; 50-90% ALTERED;
SUBHEDRAL;
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO VERY FINE; GOOD INDURATION;
CEMENT TYPE(S): DOLOMITE CEMENT;
OTHER FEATURES: SUCROSIC;
- 255 - 260 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN; POSSIBLY HIGH PERMEABILITY,
PIN POINT VUGS; 50-90% ALTERED; SUBHEDRAL;
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO VERY FINE; GOOD INDURATION;
CEMENT TYPE(S): DOLOMITE CEMENT;
OTHER FEATURES: SUCROSIC;
MORE POROUS THAN ABOVE; ABUNDANT CAVINGS
- 260 - 265 AS ABOVE
- 265 - 270 LIMESTONE; VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 95% ALLOCHEMICAL CONSTITUENTS;
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM; MODERATE INDURATION;
OTHER FEATURES: GRANULAR;
MINOR CAVINGS; PACKSTONE; GRAINSTONE
- 270 - 275 AS ABOVE
WITHOUT CAVINGS
- 275 - 280 LIMESTONE; VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 95% ALLOCHEMICAL CONSTITUENTS;
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM; MODERATE INDURATION;
OTHER FEATURES: GRANULAR;
FOSSILS: BRYOZOA, BENTHIC FORAMINIFERA, MOLLUSKS, FOSSIL FRAGMENTS;
- 280 - 285 LIMESTONE; VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 85% ALLOCHEMICAL CONSTITUENTS;
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
OTHER FEATURES: GRANULAR;
PACKSTONE
- 285 - 290 AS ABOVE

- 290 - 295 LIMESTONE; VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE; 85% ALLOCHEMICAL CONSTITUENTS;
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM; MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
OTHER FEATURES: GRANULAR;
FOSSILS: BRYOZOA, BENTHIC FORAMINIFERA, FOSSIL FRAGMENTS, MOLLUSKS, ECHINOID;
- 295 - 300 AS ABOVE
- 300 - 302.5 NO SAMPLES
CUTTINGS DESCRIBED BY R. GREEN, 0-300'
- 302.5- 305 WACKESTONE; VERY LIGHT ORANGE TO YELLOWISH GRAY; INTERGRANULAR;
GRAIN TYPE: CRYSTALS, CALCILUTITE;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION;
FOSSILS: BRYOZOA, BENTHIC FORAMINIFERA, MOLLUSKS, FOSSIL FRAGMENTS;
FINE-GRAINED WACKESTONE TO PACKSTONE; FEW RECOGNIZABLE FOSSIL FRAGMENTS
- 305 - 306 PACKSTONE; YELLOWISH GRAY TO VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY,
INTRAGRANULAR;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
FOSSILS: BRYOZOA, BENTHIC FORAMINIFERA, MOLLUSKS, FOSSIL FRAGMENTS;
EXTREMELY WELL-PRESERVED OCALA FOSSIL ASSEMBLAGE: LEPIDOCYCLINA OCALANA; INTACT
GASTROPODS
- 306 - 310 WACKESTONE; VERY LIGHT ORANGE TO YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: CALCILUTITE, SKELETAL;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
OTHER FEATURES: CHALKY;
FOSSILS: FOSSIL MOLDS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA;
FINE-GRAINED WACKESTONE; REMAINING FOSSIL FRAGMENTS COMPLETELY RECRYSTALLIZED; GRADES TO A
PACKSTONE
- 310 - 315 WACKESTONE; VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: CALCILUTITE, SKELETAL, BIOGENIC;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
OTHER FEATURES: CHALKY;
FOSSILS: BENTHIC FORAMINIFERA, FOSSIL FRAGMENTS, MOLLUSKS;
LEPIDOCYCLINA OCALANA ABUNDANT; THROUGHOUT THE INTERVAL 302-350, ORIGINAL "MUD" APPEARS TO
BE STRONGLY BIOTURBATED; NO OBSERVABLE BEDDING
- 315 - 319 AS ABOVE
65% RECOVERY; LEPIDOCYCLINA ABUNDANT; LARGE MOLLUSK SHELL FRAGMENTS

- 319 - 327 WACKESTONE; VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
OTHER FEATURES: CHALKY;
FOSSILS: BENTHIC FORAMINIFERA, MOLLUSKS, FOSSIL FRAGMENTS;
GRADES INTO PACKSTONE; FOSSIL FRAGMENTS COMPLETELY RECRYSTALLIZED; 50% RECOVERY
- 327 - 332 WACKESTONE; VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY, MOLDIC;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
OTHER FEATURES: CHALKY;
FOSSILS: BENTHIC FORAMINIFERA, MOLLUSKS, BRYOZOA, FOSSIL FRAGMENTS;
INTRAGRANULAR POROSITY ALSO MODERATELY DEVELOPED IN SOME INTERVALS
- 332 - 340 PACKSTONE; VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY, INTRAGRANULAR;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
OTHER FEATURES: CHALKY;
FOSSILS: BENTHIC FORAMINIFERA, MOLLUSKS, MILIOLIDS, FOSSIL FRAGMENTS, FOSSIL MOLDS;
- 340 - 342.5 AS ABOVE
- 342.5- 345 PACKSTONE; VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY, INTRAGRANULAR;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
FOSSILS: BENTHIC FORAMINIFERA, FOSSIL FRAGMENTS, FOSSIL MOLDS, ALGAE;
SOME INTERVALS COMPOSED ALMOST ENTIRELY OF FOSSIL FRAGMENTS - A "FOSSIL HASH"; A FEW LARGE MOLLUSK MOLDS
- 345 - 350 PACKSTONE; VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
OTHER FEATURES: CHALKY;
FOSSILS: BENTHIC FORAMINIFERA, FOSSIL FRAGMENTS, MOLLUSKS, FOSSIL MOLDS;
50% RECOVERY; MUCH FEWER FOSSIL FRAGMENTS THAN ABOVE INTERVAL
- 350 - 352.5 AS ABOVE
0% RECOVERY

- 352.5- 360 PACKSTONE; VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
OTHER FEATURES: CHALKY;
FOSSILS: BENTHIC FORAMINIFERA, FOSSIL FRAGMENTS, MILIOLIDS, MOLLUSKS, FOSSIL MOLDS;
- 360 - 365 AS ABOVE
LEPIDOCYCLINA OCALANA UP TO 1.5 CM IN DIAMETER; LARGE INTERNAL MOLDS OF MOLLUSKS, CREATED
BY SMALL FORAMS
- 365 - 370 PACKSTONE; VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
FOSSILS: BENTHIC FORAMINIFERA, FOSSIL FRAGMENTS, MILIOLIDS, MOLLUSKS, FOSSIL MOLDS;
- 370 - 380 NO SAMPLES
- 380 - 390 PACKSTONE; VERY LIGHT ORANGE; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY, INTRAGRANULAR;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
FOSSILS: BENTHIC FORAMINIFERA, FOSSIL FRAGMENTS, FOSSIL MOLDS, MOLLUSKS, MILIOLIDS;
LARGE GASTROPOD MOLDS AND LARGE LEPIDOCYCLINA OCALANA; SOME MOLDIC POROSITY IN SOME
INTERVALS
- 390 - 400 PACKSTONE; VERY LIGHT ORANGE TO YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY,
INTRAGRANULAR;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
FOSSILS: BENTHIC FORAMINIFERA, FOSSIL FRAGMENTS, FOSSIL MOLDS, MOLLUSKS;
SAME COMMENT AS 380-390 INTERVAL; SOME SECTIONS MAY BE CALLED GRAINSTONE
- 400 - 410 PACKSTONE; VERY LIGHT ORANGE TO YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY,
INTRAGRANULAR;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
FOSSILS: BENTHIC FORAMINIFERA, FOSSIL FRAGMENTS, FOSSIL MOLDS, MOLLUSKS, BRYOZOA;
GOOD EXAMPLE OF ENCRUSTING BRYOZOANS; NUMEROUS INTERNAL MOLDS OF MOLLUSKS FILLED WITH
SMALL FORAMS
- 410 - 420 AS ABOVE
SOME EXTERNAL MOLLUSK MOLDS; SOME ZONES EXHIBIT MODERATE AMOUNTS OF RECRYSTALLIZATION
GAMMA LOG SUGGESTS TOP OF AVON PARK FORMATION AT 410'.

- 420 - 425 PACKSTONE; YELLOWISH GRAY TO YELLOWISH GRAY; INTERGRANULAR, MOLDIC, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
ACCESSORY MINERALS: DOLOMITE- %;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION;
FOSSILS: MOLLUSKS, FOSSIL MOLDS, BENTHIC FORAMINIFERA;
- 425 - 435 PACKSTONE; YELLOWISH GRAY TO YELLOWISH GRAY; INTERGRANULAR, MOLDIC, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
ACCESSORY MINERALS: DOLOMITE- %;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION;
FOSSILS: MOLLUSKS, FOSSIL MOLDS, BENTHIC FORAMINIFERA;
FEWER LARGE INTACT FOSSIL MOLDS; OVERALL MUCH FINER GRAIN SIZE (DUE TO EXTENSIVE BIOTURBATION?); TRACE DOLOMITE
- 435 - 446.5 PACKSTONE; YELLOWISH GRAY TO YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
ACCESSORY MINERALS: DOLOMITE- %, SPAR- %;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION;
FOSSILS: MOLLUSKS, FOSSIL MOLDS, BENTHIC FORAMINIFERA;
DOLOMITE IDENTIFICATION IS TENTATIVE, MOLDIC POROSITY NOT AS WELL DEVELOPED IN THIS INTERVAL
- 446.5- 455 PACKSTONE; YELLOWISH GRAY TO YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY, MOLDIC;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
ACCESSORY MINERALS: SPAR- %;
OTHER FEATURES: MEDIUM RECRYSTALLIZATION;
- 455 - 465 PACKSTONE; YELLOWISH GRAY TO YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY, INTRAGRANULAR;
GRAIN TYPE: BIOGENIC, SKELETAL, CALCILUTITE;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX;
ACCESSORY MINERALS: SPAR- %;
OTHER FEATURES: DOLOMITIC;
FOSSILS: BENTHIC FORAMINIFERA, FOSSIL MOLDS, FOSSIL FRAGMENTS, BRYOZOA;
GRADES FROM PACKSTONE TO GRAINSTONE

- 465 - 475 AS ABOVE
TRACE ORGANICS AND WELL-PRESERVED BURROWS IN DOLO-MUDSTONE; CHARACTERISTIC AVON PARK ASSOCIATION, STILL CALCITE-RICH
- 475 - 477 PACKSTONE; YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, CALCILUTITE;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
OTHER FEATURES: DOLOMITIC;
FOSSILS: BENTHIC FORAMINIFERA, FOSSIL FRAGMENTS, FOSSIL MOLDS, MOLLUSKS, BRYOZOA;
GRADES TO PACKSTONE IN SOME INTERVALS
- 477 - 485 AS ABOVE
60% RECOVERY
- 485 - 495 NO SAMPLES
- 495 - 500 PACKSTONE; YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, CALCILUTITE, SKELETAL;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
OTHER FEATURES: DOLOMITIC;
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS;
GRADES TO PACKSTONE IN SOME INTERVALS; 70% RECOVERY; RECOVERED MATERIAL APPEARS MORE EQUIGRANULAR, POSSIBLY DUE TO BIOTURBATION
- 500 - 505 WACKSTONE; YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, CALCILUTITE, SKELETAL;
MODERATE INDURATION;
CEMENT TYPE(S): CALCILUTITE MATRIX, DOLOMITE CEMENT;
OTHER FEATURES: DOLOMITIC;
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS;
- 505 - 515 LIMESTONE; YELLOWISH GRAY; INTERGRANULAR, POSSIBLY HIGH PERMEABILITY;
GRAIN TYPE: BIOGENIC, CALCILUTITE, SKELETAL;
UNCONSOLIDATED;
CEMENT TYPE(S): CALCILUTITE MATRIX;
FOSSILS: FOSSIL FRAGMENTS, FOSSIL MOLDS, MOLLUSKS;
CUTTINGS BAG WAS ALL THAT WAS RECOVERED, DISAGGREGATED BY DRILLING
- 515 - 525 DOLOSTONE; DARK YELLOWISH BROWN TO GRAYISH BROWN; INTERGRANULAR, FRACTURE;
50-90% ALTERED; ANHEDRAL;
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO VERY FINE; GOOD INDURATION;
CEMENT TYPE(S): DOLOMITE CEMENT;
FOSSILS: ORGANICS;
- 10% RECOVERY; NOTABLY DIFFERENT LITHOLOGY; TRUE DOLOSTONE - FINE GRAINED WITH WELL-DEVELOPED SECONDARY POROSITY; BAGS OF CUTTINGS ALSO IN CORE BOX
- 525 TOTAL DEPTH