North Ft. Myers Utilities (NFMU-IW)

FGS Lithologic Description: W-16098
SFWMD Geophy. Log # 071-28

[redacted]

March, 95

North Ft Myers NW

LITHOLOGIC WELL LOG PRINTOUT

SOURCE - FGS

WELL NUMBER: W-16098
TOTAL DEPTH: 2600 FT.
249 SAMPLES FROM 0 TO 2600 FT.

COMPLETION DATE: 01/25/87
OTHER TYPES OF LOGS AVAILABLE - OTHER

COUNTY - LEELEE1
LOCATION: T.43S R.24E S.14
LAT = 26D 43M 58S
LON = 81D 52M 54S
ELEVATION: 18 FT

OWNER/DRILLER:NORTH FT. MEYERS UTILITY CO. MONITOR WELL DRILLERS, INC., DRILLER.

WORKED BY:__JOE AYLOR (1/30/95), 10 FOOT SAMPLE INTERVALS
SFWMD LEE COUNTY.
LOCATED IN THE ~ CENTER, SEC 14, T43S, R24E
UTM PLANAR, ZONE 17 X=412315.8, Y=2956976.0
FLORIDA WEST ZONE IN FEET, POLYCONIC PLANAR X=538625; PLANAR Y=872068
WELL IS LOCATED IN THE FORT MEYERS NW 7.5 MINUTE QUADRANGLE.
THE OKEECHOBEE FORMATION IS PROPOSED FOR THE PLIO-PLEISTOCENE INTERVAL (SCOTT, 1992, P. 23, FLORIDA GEOLOGICAL SURVEY SPECIAL PUBLICATION 36).

0.	- 10.	090UDSC	UNDIFFERENTIATED SAND AND CLAY	→ PBSJ Report Lepton
10.	- 240.	121PCPC	PLIOCENE-PLEISTOCENE	
240.	- 1220.	122HTRN	HAWTHORN GROUP	Hawthorn 600'
1220.	- 1760.	124OCAL	OCALA GROUP	Suwannee 600 - 1310
1760.	- .	124AVPK	AVON PARK FM.	Ocala 1310 - 1570
1330.	- 1350.	000NOSM	NO SAMPLES	Avon Park 1570 - 1940
1600.	- 1610.	000NOSM	NO SAMPLES	Lake City 1940 - 2490
1640.	- 1670.	000NOSM	NO SAMPLES	Oldsman 2490 - 2600
1970.	- 1980.	000NOSM	NO SAMPLES	
2260.	- 2270.	000NOSM	NO SAMPLES	
2350.	- 2360.	000NOSM	NO SAMPLES	
2430.	- 2440.	000NOSM	NO SAMPLES	

Gamma Log

Suwannee @ 760

0 - 10 SAND; GRAYISH BROWN
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: SHELL-45%, CALCILUTITE-05%
LIMONITE- %
OTHER FEATURES: CALCAREOUS
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS

10 - 30 SAND; LIGHT GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: SHELL-20%, HEAVY MINERALS-02%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
MICA LOST CIRCULATION MATERIAL, TOP OF PLIO-PLEISTOCENE AT 10 FEET.

30 - 150 SAND; YELLOWISH GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: SHELL-10%, HEAVY MINERALS-02%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS

150 - 210 SAND; LIGHT GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: SHELL-05%, PHOSPHATIC SAND-03%
HEAVY MINERALS-02%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS

210 - 240 SAND; YELLOWISH GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
ROUNDNESS: SUB-ANGULAR TO ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: SHELL-10%, PHOSPHATIC SAND-02%
HEAVY MINERALS-01%, LIMESTONE-10%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
TOP OF HAWTHORN GROUP AT 240 FEET

240 - 310 LIMESTONE; YELLOWISH GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
95% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-30%, QUARTZ- %
PHOSPHATIC SAND- %
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS

310 - 320 SAND; VERY LIGHT GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-15%, QUARTZ- %
PHOSPHATIC SAND-01%, CALCILUTITE-20%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS

320 - 370 LIMESTONE; WHITE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
85% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SHELL-02%, PHOSPHATIC SAND-02%
CALCILUTITE-10%, QUARTZ SAND-10%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, ECHINOID

370 - 410 LIMESTONE; VERY LIGHT GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
75% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-02%, CALCILUTITE-20%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, ECHINOID
GASTROPODS

410 - 620 LIMESTONE; VERY LIGHT GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
65% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CALCILUTITE-30%, PHOSPHATIC SAND-02%
SHELL-03%, QUARTZ SAND-20%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, ECHINOID
20% LIGHT GRAY CALCAREOUS, VERY FINE-GRAINED SANDSTONE.

620 - 650 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CALCILUTITE-15%, PHOSPHATIC SAND-02%
QUARTZ SAND-20%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, ECHINOID

650 - 690 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
75% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CALCILUTITE-15%, PHOSPHATIC SAND-01%
SPAR-10%, QUARTZ SAND-20%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, ECHINOID

690 - 740 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
75% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CALCILUTITE-10%, PHOSPHATIC SAND-01%
SPAR-10%, QUARTZ SAND-20%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, MILIOLIDS
WHITE LIMESTONE 60%, LIGHT GRAY LIMESTONE 20%, SAND IS ALSO
LIGHT GRAY.

740 - 780 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-35%, PHOSPHATIC SAND-02%
SHELL-02%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
VERY LIGHT-GRAY LIMESTONE 65%, MEDIUM-LIGHT GRAY
FINE-GRAINED SAND 35%. SOME CAVINGS OF SAND.

780 - 890 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-30%, SPAR-05%, SHELL-03%
PHOSPHATIC SAND-03%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, ECHINOID
GASTROPODS, ECHINOID STEMS, MEDIUM-LIGHT GRAY, FINE-GRAINED
SAND 30%

890 - 950 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-05%, QUARTZ SAND-30%
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA
SAND MAY BE FROM CAVINGS.

950 - 970 LIMESTONE; WHITE
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CALCILUTITE-30%, SPAR-05%
PHOSPHATIC SAND-01%
FOSSILS: MILIOLIDS
MILIOLID FORAMS 60%.

970 - 1020 DOLOSTONE; GRAYISH BROWN
10% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-30%

1020 - 1030 SAMPLES PROBABLY HAVE CAVED FROM 755 TO 1030' (ON GEOPHYSICAL LOGS)

1030 - 1040 LIMESTONE; GRAYISH ORANGE PINK
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR-05%, PHOSPHATIC SAND-01%
FOSSILS: FOSSIL FRAGMENTS, BRYOZOA, ECHINOID, MOLLUSKS
GASTROPODS (?).

1040 - 1160 CALCARENITE; VERY LIGHT ORANGE
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
UNCONSOLIDATED
ACCESSORY MINERALS: QUARTZ SAND-20%, SPAR-05%
PHOSPHATIC SAND-01%, HEAVY MINERALS-01%
FOSSILS: ECHINOID
CARBONATE SAND

1160 - 1220 LIMESTONE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
65% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-25%, PHOSPHATIC SAND-01%
FOSSILS: BRYOZOA, ECHINOID
5% MEDIUM-GRAY DOLOSTONE.

1220 - 1230 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CALCILUTITE-40%, SPAR-05%
PHOSPHATIC SAND-01%
FOSSILS: BENTHIC FORAMINIFERA
TOP OF OCALA FORMATION AT 1220 FEET, GYPSINA GLOBULA (?).

1230 - 1310 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CALCILUTITE-40%
FOSSILS: ECHINOID, BENTHIC FORAMINIFERA
NUMMULITES SP. (1230-1310), LEPIDOCYCLINA SP (1240-1310).

1310 - 1330 LIMESTONE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO VERY COARSE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR-10%
FOSSILS: BENTHIC FORAMINIFERA, ECHINOID, CONES, BRYOZOA
NUMMULITES SP 20%, LEPIDOCYCLINA SP. DICTYOCONUS COOKEI
(?), REPLACEMENT OF GASTROPOD BY PHOSPHATE.

1330 - 1350 NO SAMPLES

1350 - 1440 LIMESTONE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO VERY COARSE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR-10%
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS
NUMMULITES SP. 30%, LEPIDOCYCLINA SP. (1390-1440), SEA
URCHIN DISC 1/2 CM (1360-1370).

1440 - 1510 LIMESTONE; VERY LIGHT GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO VERY COARSE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR-10%
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, BRYOZOA
15% LIGHT-GRAY, FINE-GRAINED SAND CAVINGS, NUMMULITES SP.
20%, BRYOZOAN (1500-1510).

1510 - 1540 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO VERY COARSE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR-10%
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, BRYOZOA
MOLLUSKS
LEPIDOCYCLINA SP., NUMMULITES SP.

1540 - 1600 LIMESTONE; VERY LIGHT ORANGE
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO VERY COARSE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CALCILUTITE-20%, SPAR-10%
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, BRYOZOA
MILIOLID FORAMS 50%, NUMMULITES SP. 10%.

1600 - 1610 NO SAMPLES

1610 - 1640 LIMESTONE; VERY LIGHT ORANGE
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO VERY COARSE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR-10%
FOSSILS: ECHINOID

1640 - 1670 NO SAMPLES

1670 - 1710 LIMESTONE; WHITE
10% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-20%, CALCILUTITE-20%
FOSSILS: MILIOLIDS
2% LIGHT GRAY LIMETSTONE, MILIOLID FORAMS 50%.

1710 - 1720 LIMESTONE; WHITE
10% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CALCILUTITE-20%
FOSSILS: MILIOLIDS
MILIOLID FORAMS 50%.

1720 - 1730 LIMESTONE; VERY LIGHT ORANGE
10% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
75% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR-10%
FOSSILS: MILIOLIDS, ECHINOID
MILIOLID FORAMS 75%.

1730 - 1750 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR-10%, CALCILUTITE-10%
FOSSILS: MILIOLIDS
MILIOLID FORAMS 60%.

1750 - 1760 LIMESTONE; GRAYISH BROWN
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO VERY COARSE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR-30%, CALCILUTITE-10%
FOSSILS: MILIOLIDS
PALE YELLOWISH BROWN RECRYSTALLIZED CALCITE.

1760 - 1780 DOLOSTONE; LIGHT GRAYISH BROWN
10% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO VERY COARSE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-10%
FOSSILS: NO FOSSILS
TOP OF AVON PARK FORMATION AT 1760 FEET.

1780 - 1790 DOLOSTONE; GRAYISH BROWN
10% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO VERY COARSE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-05%
FOSSILS: NO FOSSILS

1790 - 1800 LIMESTONE; VERY LIGHT ORANGE
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-40%, CALCILUTITE-10%
FOSSILS: MILIOLIDS
40% PALE YELLOWISH BROWN DOLOSTONE.

1800 - 1830 LIMESTONE; WHITE
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR-10%
FOSSILS: MILIOLIDS
MILIOLID FORAMS 80%.

1830 - 1840 LIMESTONE; VERY LIGHT ORANGE
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-30%
FOSSILS: MILIOLIDS
DARK YELLOWISH BROWN DOLOSTONE 30%.

1840 - 1850 LIMESTONE; GRAYISH BROWN
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-30%
FOSSILS: MILIOLIDS

1850 - 1890 LIMESTONE; WHITE
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-10%
FOSSILS: MILIOLIDS
10% PALE BROWN DOLOSTONE, MILIOLID FORAMS 80%.

1890 - 1900 DOLOSTONE; LIGHT GRAYISH BROWN
10% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-35%
FOSSILS: MILIOLIDS

1900 - 1920 LIMESTONE; VERY LIGHT ORANGE TO VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: LIMESTONE-30%
FOSSILS: MILIOLIDS
MILIOLID FORAMS 60%.

1920 - 1930 DOLOSTONE; GRAYISH BROWN TO LIGHT GRAYISH BROWN
10% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-05%
FOSSILS: MILIOLIDS

1930 - 1940 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-30%
FOSSILS: MILIOLIDS, CONES
DICTYOCONUS COOKEI.

1940 - 1950 DOLOSTONE; GRAYISH BROWN
10% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-30%
FOSSILS: MILIOLIDS

1950 - 1970 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-05%
FOSSILS: MILIOLIDS

1970 - 1980 NO SAMPLES

1980 - 2000 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR-10%
FOSSILS: MILIOLIDS, CONES
DICTYOCONUS COOKEI, MILIOLID FORAMS 70%.

2000 - 2010 DOLOSTONE; GRAYISH BROWN
10% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-10%
FOSSILS: MILIOLIDS

2010 - 2040 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-30%
FOSSILS: MILIOLIDS
DICTYOCONUS COOKEI 5%.

2040 - 2050 DOLOSTONE; DARK YELLOWISH BROWN
10% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-10%
FOSSILS: MILIOLIDS

2050 - 2060 LIMESTONE; VERY LIGHT GRAY
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-35%
FOSSILS: MILIOLIDS
35% DARK YELLOWISH BROWN DOLOSTONE.

2060 - 2090 LIMESTONE; VERY LIGHT ORANGE
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-05%
FOSSILS: MILIOLIDS

2090 - 2110 LIMESTONE; VERY LIGHT ORANGE
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-15%
FOSSILS: MILIOLIDS

2110 - 2140 DOLOSTONE; DARK YELLOWISH BROWN
10% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-10%
FOSSILS: MILIOLIDS

2140 - 2150 DOLOSTONE; MODERATE GRAY
5% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-15%
FOSSILS: MILIOLIDS

2150 - 2160 DOLOSTONE; DARK YELLOWISH BROWN TO MODERATE DARK GRAY
5% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-05%
FOSSILS: MILIOLIDS

2160 - 2170 LIMESTONE; GRAYISH BROWN
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-30%
FOSSILS: MILIOLIDS

2170 - 2190 DOLOSTONE; DARK YELLOWISH BROWN
5% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-05%
FOSSILS: NO FOSSILS

2190 - 2200 LIMESTONE; VERY LIGHT ORANGE
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-20%, SPAR-10%
FOSSILS: MILIOLIDS

2200 - 2250 LIMESTONE; VERY LIGHT ORANGE
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: SPAR-10%
FOSSILS: MILIOLIDS
DICTYOCONUS COOKEI (2200-2210)

2250 - 2260 DOLOSTONE; DARK YELLOWISH BROWN
5% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
FOSSILS: NO FOSSILS

2260 - 2270 NO SAMPLES

2270 - 2280 DOLOSTONE; DARK YELLOWISH BROWN
5% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
FOSSILS: NO FOSSILS

2280 - 2290 DOLOSTONE; GRAYISH BROWN
5% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
FOSSILS: NO FOSSILS

2290 - 2300 DOLOSTONE; DARK YELLOWISH BROWN TO MODERATE DARK GRAY
5% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
FOSSILS: NO FOSSILS

2300 - 2310 DOLOSTONE; GRAYISH BROWN
5% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
FOSSILS: NO FOSSILS

2310 - 2340 DOLOSTONE; DARK YELLOWISH BROWN TO MODERATE DARK GRAY
5% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
FOSSILS: NO FOSSILS

2340 - 2350 DOLOSTONE; GRAYISH BROWN
5% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
FOSSILS: NO FOSSILS

2350 - 2360 NO SAMPLES

2360 - 2370 LIMESTONE; MODERATE LIGHT GRAY
10% POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-10%, QUARTZ SAND-30%
FOSSILS: NO FOSSILS
DRILLER'S CEMENT!

2370 - 2380 DOLOSTONE; GRAYISH BROWN
10% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
FOSSILS: NO FOSSILS

2380 - 2400 DOLOSTONE; GRAYISH BROWN
10% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-30%
FOSSILS: MILIOLIDS

2400 - 2410 DOLOSTONE; LIGHT GRAYISH BROWN
10% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-30%
FOSSILS: MILIOLIDS

2410 - 2420 DOLOSTONE; BROWNISH GRAY
5% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
FOSSILS: NO FOSSILS

2420 - 2430 DOLOSTONE; LIGHT GRAYISH BROWN TO GRAYISH ORANGE
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO VERY COARSE
MODERATE INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-10%
FOSSILS: MILIOLIDS

2430 - 2440 NO SAMPLES

2440 - 2490 DOLOSTONE; LIGHT GRAYISH BROWN
5% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
FOSSILS: NO FOSSILS

2490 - 2500 DOLOSTONE; GRAYISH BROWN
10% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-35%
FOSSILS: MILIOLIDS

2500 - 2520 DOLOSTONE; GRAYISH BROWN
5% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-15%
FOSSILS: MILIOLIDS

2520 - 2540 DOLOSTONE; LIGHT BROWNISH GRAY TO BROWNISH GRAY
5% POROSITY: INTERGRANULAR, LOW PERMEABILITY
50-90% ALTERED; EUHEDRAL
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-30%
FOSSILS: MILIOLIDS

2540 - 2600 LIMESTONE; VERY LIGHT ORANGE
15% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CALCILUTITE
50% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PEAT-20%, SPAR-10%
OTHER FEATURES: CALCAREOUS
FOSSILS: MILIOLIDS

2600 TOTAL DEPTH