Triton Oil & Gas Corp. Alico Dev. Co Well #7-1

(W-15975)

W-15975

[redacted]

LITHOLOGIC WELL LOG PRINTOUT

SOURCE - FGS

WELL NUMBER: W-15975
TOTAL DEPTH: 4420 FT.
106 SAMPLES FROM 0 TO 4420 FT.

COMPLETION DATE: /11/86
OTHER TYPES OF LOGS AVAILABLE - NONE

COUNTY - COLLIER4
LOCATION: T.46S R.30E S.07
LAT = 26D 31M 00S
LON = 81D 23M 55S
ELEVATION: 31 FT

OWNER/DRILLER:TRITON OIL/UNKNOWN

FGS permit # P. 1202

WORKED BY:__MARTIN BALINSKY (1/9/96)
TRITON OIL & GAS CORPORATION ALLCO DEVELOPMENT CO. WELL #7-I
30 FT. INTERVALS--SAMPLES AVAILABLE FOR 3180 OF THE 4420 FEET
WELL IS LOCATED IN SEC 7, T46S, R30E.
FELDA SE 7.5' QUADRANGLE, COLLIER COUNTY
FORMATION PICKS ON 4000-4420 FT. DIFFICULT BECAUSE OF CAVINGS, BUT
TD IS PROBABLY IN CEDAR KEYS FORMATION

0.	- 210.	121PCPC	PLIOCENE-PLEISTOCENE
210.	- 810.	122HTRN	HAWTHORN GROUP
810.	- 1320.	123SWNN	SUWANNEE LIMESTONE
1320.	- 1830.	124OCAL	OCALA GROUP
1830.	- 2850.	124AVPK	AVON PARK FM.
690.	- 720.	000NOSM	NO SAMPLES
1020.	- 1050.	000NOSM	NO SAMPLES
2370.	- 2400.	000NOSM	NO SAMPLES
2850.	- 4000.	000NOSM	NO SAMPLES

0 - 210 SAND; LIGHT GRAY TO MODERATE LIGHT GRAY
30% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: COARSE; RANGE: FINE TO COARSE
ROUNDNESS: SUB-ROUNDED TO ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: PHOSPHATIC SAND-02%
PHOSPHATIC GRAVEL-04%, CALCITE-03%
FOSSILS: MOLLUSKS
VERY CLEAN QUARTZ SAND, WITH A FEW SHELLS AND PHOSPHATE SAND AND GRAVEL. FAIRLY WELL ROUNDED QUARTZ GRAINS. MOST (75%) ARE TRANSPARENT, WHILE OTHERS ARE TRANSLUCENT

210 - 300 SAND; LIGHT GRAY TO WHITE
30% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: COARSE; RANGE: FINE TO COARSE
ROUNDNESS: SUB-ROUNDED TO ROUNDED; MEDIUM SPHERICITY
UNCONSOLIDATED
ACCESSORY MINERALS: PHOSPHATIC SAND-01%
PHOSPHATIC GRAVEL-04%, CALCITE-20%
FOSSILS: MOLLUSKS
SHELL CONTENT CONSIDERABLY HIGHER (20%). A MIXTURE OF OPAQUE (ABOUT 30%) AND CLEARER (ABOUT 65%) QUARTZ GRAINS.
POSSIBLE TOP OF HAWTHORN FORMATION

300 - 330 SAND; LIGHT GRAY TO WHITE
30% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN SIZE: COARSE; RANGE: MEDIUM TO COARSE
UNCONSOLIDATED
ACCESSORY MINERALS: PHOSPHATIC GRAVEL-05%
SOME PLANT REMAINS (PROBABLY CAVINGS). ABUNDANT MOLLUSK SHELLS (35%)

330 - 360 CALCILUTITE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
20% POROSITY: INTERGRANULAR
GRAIN TYPE: CALCILUTITE, SKELETAL
55% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO VERY COARSE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-06%, QUARTZ SAND-02%
CALCITE- %
FOSSILS: MOLLUSKS
CONSIDERABLY DIFFERENT IN APPEARANCE--DOMINATED BY CALCILUTITE AND MOLUSK SHELLS

360 - 390 SHELL BED; OLIVE GRAY TO WHITE
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
UNCONSOLIDATED
ACCESSORY MINERALS: PHOSPHATIC SAND-04%
FOSSILS: CORAL, MOLLUSKS

390 - 420 SHELL BED; WHITE TO YELLOWISH GRAY
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
UNCONSOLIDATED
ACCESSORY MINERALS: PHOSPHATIC SAND-04%, QUARTZ SAND- %
FOSSILS: BRYOZOA, CORAL, MOLLUSKS

420 - 450 WACKESTONE; GREENISH GRAY TO YELLOWISH GRAY
20% POROSITY: INTERGRANULAR
GRAIN TYPE: SKELETAL, CALCILUTITE
40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO VERY COARSE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-03%
FOSSILS: MOLLUSKS, CORAL
A JUXTAPOSITION OF SAND AND LIMESTONE AT TOP OF UNIT.

450 - 480 WACKESTONE; WHITE TO LIGHT GRAY
20% POROSITY: INTERGRANULAR
GRAIN TYPE: SKELETAL, CALCILUTITE, CRYSTALS
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRANULE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-05%
FOSSILS: MOLLUSKS, ECHINOID

480 - 510 WACKESTONE; WHITE TO YELLOWISH GRAY
17% POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
25% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
ACCESSORY MINERALS: PHOSPHATIC SAND-05%
FOSSILS: MOLLUSKS

510 - 570 MUDSTONE; LIGHT OLIVE GRAY
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
08% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
ACCESSORY MINERALS: PHOSPHATIC SAND-04%
FOSSILS: MOLLUSKS

570 - 600 MUDSTONE; YELLOWISH GRAY
17% POROSITY: LOW PERMEABILITY, INTERGRANULAR
GRAIN TYPE: CALCILUTITE, CRYSTALS
06% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO GRANULE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-05%

600 - 660 MUDSTONE; WHITE TO YELLOWISH GRAY
11% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
08% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-05%
PHOSPHATIC GRAVEL- %
FOSSILS: MOLLUSKS
SOME MOSTLY TRANSPARENT CALCITE CRYSTALS

660 - 690 MUDSTONE; LIGHT OLIVE GRAY TO WHITE
GRAIN TYPE: CRYSTALS, CALCILUTITE
03% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
ACCESSORY MINERALS: PHOSPHATIC SAND-02%, QUARTZ SAND-03%
FOSSILS: MOLLUSKS

690 - 720 NO SAMPLES

720 - 810 MUDSTONE; LIGHT OLIVE GRAY TO WHITE
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE, SKELETAL
03% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
ACCESSORY MINERALS: PHOSPHATIC SAND-02%, QUARTZ SAND-02%
FOSSILS: MOLLUSKS

810 - 870 LIMESTONE; LIGHT GRAY TO WHITE
15% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE, SKELETAL
10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
ACCESSORY MINERALS: PHOSPHATIC SAND-01%, QUARTZ SAND-01%
FOSSILS: ECHINOID, MOLLUSKS
CONSISTS OF ABOUT 60% CRYSTALLINE LIMESTONE AND
CALCILUTITE. POSSIBLE TOP OF SUWANNEE FORMATION

870 - 900 LIMESTONE; LIGHT OLIVE GRAY TO WHITE
12% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE, SKELETAL
10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
ACCESSORY MINERALS: PHOSPHATIC SAND-01%
PHOSPHATIC GRAVEL- %
FOSSILS: MOLLUSKS
A MIXTURE OF CRYSTALLINE LIMESTONE AND CALCILUTITE (40%)

900 - 930 LIMESTONE; LIGHT GRAY TO WHITE
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE, SKELETAL
01% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
ACCESSORY MINERALS: PHOSPHATIC SAND- %
FOSSILS: MOLLUSKS
ONLY VERY TRACE AMOUNTS OF PHOSPHATE

930 - 960 LIMESTONE; GRAYISH YELLOW TO WHITE
12% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE, SKELETAL
08% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
ACCESSORY MINERALS: PHOSPHATIC SAND- %
FOSSILS: MOLLUSKS
ONLY ABOUT 3% CALCILUTITE WHILE THE REMAINDER IS FAIRLY PURE CRYSTALLINE LIMESTONE. DOMINANTLY SUBHEDRAL CRYSTALS (85% APPROXIMATELY) BUT ALSO A FEW ANHEDRAL AND EUHEDRAL CRYSTALS. SOME CRYSTAL OVERGROWTHS ON MOLLUSK SHELLS

960 - 1020 LIMESTONE; VERY LIGHT ORANGE TO WHITE
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
20% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
ACCESSORY MINERALS: PHOSPHATIC SAND- %
FOSSILS: CORAL, MOLLUSKS
MORE CALCILUTITE AGAIN (POSSIBLY 20%). HIGHER SHELL CONTENT. STILL SOME OVERGROWTHS ON SHELLS.

1020 - 1050 NO SAMPLES

1050 - 1080 LIMESTONE; LIGHT GRAY TO VERY LIGHT GRAY
12% POROSITY: LOW PERMEABILITY
GRAIN TYPE: SKELETAL, CRYSTALS, CALCILUTITE
12% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
FOSSILS: MOLLUSKS

1080 - 1110 LIMESTONE; GRAYISH ORANGE TO GRAYISH ORANGE PINK
20% POROSITY: INTERGRANULAR
GRAIN TYPE: SKELETAL, CALCILUTITE, CRYSTALS
55% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: VERY FINE TO COARSE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-10%
FOSSILS: MOLLUSKS
HIGH MOLLUSK SHELL CONTENT (55%), AND ABOUT 10%. SAND PROBABLY CAVED.

1110 - 1170 A SANDY (QUARTZ) UNIT WITH SHELLS AND CALCILUTITE MUD. SAND IS PROBABLY CAVED.

1170 - 1200 WACKESTONE; WHITE TO DARK GRAYISH YELLOW
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
20% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
ACCESSORY MINERALS: DOLOMITE-20%
OTHER FEATURES: DOLOMITIC
FOSSILS: MOLLUSKS
DOLOMITIC CALCILUTITE MUD BEARING CALCITE CRYSTALS.
NUMMULITES PRESENT. QUITE A FEW DOLOMITE EUHEDRAL
CRYSTALS (PERHAPS 10% OF SAMPLE)

1200 - 1230 DOLOSTONE; LIGHT OLIVE BROWN TO WHITE
15% POROSITY: LOW PERMEABILITY; 50-90% ALTERED; EUHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: CALCITE-35%
OTHER FEATURES: CALCAREOUS
FOSSILS: MOLLUSKS
DOMINANTLY DOLOMITE, WITH REMNANT CALCILUTITE. NUMMULITES
PRESENT.

1230 - 1320 WACKESTONE; YELLOWISH GRAY
15% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-20%
FOSSILS: CORAL, MOLLUSKS, ECHINOID
NUMMULITES PRESENT. DOLOMITIC CRYSTAL FRAGMENTS PRESENT.

1320 - 1350 WACKESTONE; WHITE TO LIGHT GRAYISH GREEN
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
45% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-07%
OTHER FEATURES: DOLOMITIC
FOSSILS: MOLLUSKS, CORAL
NUMMULITES PRESENT. POSSIBLE LEPIDOCYCLINA PRESENT.
POSSIBLE TOP OF OCALA FORMATION

1350 - 1380 PACKSTONE; YELLOWISH GRAY
15% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: VERY FINE TO VERY COARSE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-04%
OTHER FEATURES: DOLOMITIC
FOSSILS: MOLLUSKS, CORAL, ECHINOID
DOMINATED BY NUMMULITES (55%). LEPIDOCYCLINA ALSO PRESENT.

1380 - 1410 WACKESTONE; WHITE TO MODERATE LIGHT GRAY
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
20% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-06%
OTHER FEATURES: DOLOMITIC
FOSSILS: MOLLUSKS
NUMMULITES PRESENT

1410 - 1440 WACKESTONE; WHITE TO LIGHT GRAY
15% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
35% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-01%
FOSSILS: MOLLUSKS, CORAL, ECHINOID
ABUNDANT LOSSED QUARTZ SAND CAVINGS IN SAMPLE. ABOUT 25%
NUMMULITES ALSO PRESENT.

1440 - 1470 WACKESTONE; GRAYISH ORANGE TO WHITE
15% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE; 15% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE- %
FOSSILS: ECHINOID
STILL ABOUT 15% SAND, AGAIN VERY LIKELY CAVED. NUMMULITES
PRESENT.

1470 - 1620 WACKESTONE; WHITE TO DARK GRAYISH YELLOW
14% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
MODERATE INDURATION
ACCESSORY MINERALS: DOLOMITE-15%
OTHER FEATURES: DOLOMITIC
FOSSILS: ECHINOID, CORAL, MOLLUSKS
SOME DOLOMITE FRAGMENTS PRESENT, AND MINOR DOLOMITE AMONG CALCILUTITE. NUMMULITES PRESENT.

1620 - 1650 MUDSTONE; VERY LIGHT ORANGE TO WHITE
15% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
05% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-03%
FOSSILS: ECHINOID, MOLLUSKS
DICTYOCONUS COOKEI PRESENT,. ALSO, LEPIDOCLYCLINA PRESENT.
A FEW DOLOMITE CRYSTALS PRESENT.

1650 - 1680 MUDSTONE; WHITE TO YELLOWISH GRAY
15% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
10% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-02%
FOSSILS: ECHINOID
LEPIDOCYCLINA, NUMMULITES, AND DICTYOCONUS PRESENT

1680 - 1710 LIMESTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
12% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
05% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
ACCESSORY MINERALS: DOLOMITE-10%
FOSSILS: MOLLUSKS
NUMMULITES PRESENT. SOME EUHEDRAL DOLOMITE CRYSTALS. SOME OF THE DOLOMITE PARTIALLY CRYSTALLINE (EUHEDRAL CRYSTALS)

1710 - 1770 LIMESTONE; GRAYISH ORANGE TO LIGHT GRAY
11% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
02% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
ACCESSORY MINERALS: DOLOMITE-02%
MODERATELY RECRYSTALLIZED (75%) ABUNDANT REMNANT
CALCILUTITE (25%). NUMMULITES PRESENT

1770 - 1830 LIMESTONE; LIGHT GRAY TO WHITE
12% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
02% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO VERY COARSE
GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
FOSSILS: ECHINOID, MOLLUSKS

1830 - 1890 LIMESTONE; LIGHT OLIVE GRAY TO WHITE
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
02% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
FOSSILS: MOLLUSKS, ECHINOID
DICTYOCONUS AMERICANUS. POSSIBLE TOP OF AVON PARK
FORMATION

1890 - 1920 LIMESTONE; GRAYISH ORANGE
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
02% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
FOSSILS: CORAL, ECHINOID
DICTYOCONUS AMERICANUS, DICTYOCONUS COOKEI PRESENT

1920 - 1950 LIMESTONE; GRAYISH ORANGE
10% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CRYSTALS, CALCILUTITE
03% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
DICTYOCONUS AMERICANUS PRESENT

1950 - 2040 CALCILUTITE; WHITE TO MODERATE YELLOWISH BROWN
13% POROSITY: LOW PERMEABILITY
GRAIN TYPE: CALCILUTITE, CRYSTALS
05% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY FINE; GOOD INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
ACCESSORY MINERALS: DOLOMITE-40%
OTHER FEATURES: DOLOMITIC
FOSSILS: MOLLUSKS, CORAL, ECHINOID
CRYSTALLINE DOLOMITE FRAGMENTS WHICH ARE WELL INDURATED INTERBEDDED WITH CALCILUTITE (55%), WHICH ARE MODERATELY INDURATED. DOLOMITE RANGES FROM SUBHEDRAL TO EUHEDRAL.
DICTYOCONUS COOKEI, AMERICANUS PRESENT

2040 - 2100 DOLOSTONE; MODERATE YELLOWISH BROWN TO WHITE
12% POROSITY: LOW PERMEABILITY; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: CALCITE-40%
OTHER FEATURES: CALCAREOUS
FOSSILS: MOLLUSKS
ABUNDANT REMNANT CALCILUTITE FRAGMENTS (35%), WHICH ARE MODERATELY INDURATED DICTYOCONUS COOKEI PRESENT

2100 - 2250 DOLOSTONE; MODERATE YELLOWISH BROWN TO WHITE
12% POROSITY: LOW PERMEABILITY; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: CALCITE-30%
OTHER FEATURES: CALCAREOUS
FOSSILS: MOLLUSKS
CALCILUTITE INTERBEDDED WITH DOLOMITE. A FEW NUMMULITES PRESENT--POSSIBLY CAVINGS

2250 - 2280 DOLOSTONE; MODERATE YELLOWISH BROWN TO WHITE
13% POROSITY: LOW PERMEABILITY; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: CALCITE-45%
OTHER FEATURES: CALCAREOUS
FOSSILS: ECHINOID
DICTYOCONUS AMERICANUS PRESENT

2280 - 2370 DOLOSTONE; MODERATE YELLOWISH BROWN TO WHITE
12% POROSITY: LOW PERMEABILITY; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: CALCITE-35%
OTHER FEATURES: CALCAREOUS
FOSSILS: MOLLUSKS
DICTYOCONUS AMEIRCANUS PRESENT. DOLOMITE CRYSTALS ARE EUHEDRAL (30%), SUBHEDRAL (ABOUT 60%), AND ANHEDRAL (10%). CALCILUTITE MUD INTERBEDDED WITH DOLOMITE.

2370 - 2400 NO SAMPLES

2400 - 2460 DOLOSTONE; MODERATE YELLOWISH BROWN TO WHITE
12% POROSITY: LOW PERMEABILITY; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: CALCITE-30%
OTHER FEATURES: CALCAREOUS
FOSSILS: MOLLUSKS
AGAIN BOTH SUBHEDRAL (65%), ANHEDRAL (5%), AND EUHEDRAL (30%) CRYSTALS ARE PRESENT.

2460 - 2550 DOLOSTONE; DARK YELLOWISH ORANGE TO WHITE
12% POROSITY: LOW PERMEABILITY; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: CALCITE-40%
OTHER FEATURES: CALCAREOUS
FOSSILS: MOLLUSKS

2550 - 2580 DOLOSTONE; GRAYISH ORANGE TO GRAYISH OLIVE
12% POROSITY: LOW PERMEABILITY; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: CALCITE-33%
OTHER FEATURES: CALCAREOUS
FOSSILS: MOLLUSKS

2580 - 2610 DOLOSTONE; MODERATE BROWN TO DARK BROWN
12% POROSITY: LOW PERMEABILITY; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: CALCITE-25%
OTHER FEATURES: CALCAREOUS
FOSSILS: MOLLUSKS
REMNANT CALCILUTITE INTERBEDDED WITH DOLOMITE

2610 - 2730 DOLOSTONE; GRAYISH BROWN TO MODERATE BROWN
12% POROSITY: LOW PERMEABILITY; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT.
ACCESSORY MINERALS: CALCITE-30%
OTHER FEATURES: CALCAREOUS
FOSSILS: MOLLUSKS

2730 - 2760 DOLOSTONE; MODERATE YELLOWISH BROWN TO VERY LIGHT ORANGE
12% POROSITY: LOW PERMEABILITY; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: CALCITE-25%
OTHER FEATURES: CALCAREOUS
FOSSILS: MOLLUSKS

2760 - 2820 DOLOSTONE; MODERATE YELLOWISH BROWN TO VERY LIGHT ORANGE
13% POROSITY: LOW PERMEABILITY, INTERCRYSTALLINE
50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: CALCITE-25%
OTHER FEATURES: CALCAREOUS
DOMINANTLY EUHEDRAL DOLOMITE CRYSTALS (70%), WITH THE
REMAINDER ANHEDRAL

2820 - 2850 DOLOSTONE; MODERATE YELLOWISH BROWN TO GRAYISH BROWN
12% POROSITY: LOW PERMEABILITY; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO COARSE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: CALCITE-25%
OTHER FEATURES: CALCAREOUS
DICTYOCONUS AMERICANUS PRESENT

2850 - 4000 NO SAMPLES

4000 - 4030 LIMESTONE; GRAYISH BROWN
20% POROSITY: INTERGRANULAR
GRAIN TYPE: CRYSTALS, CALCILUTITE
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO VERY FINE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
DOMINANTLY MICROCYSTALLINE LIMESTONE. CAVED PHOSPHATE
SAND.

4030 - 4060 DOLOSTONE; MODERATE YELLOWISH BROWN TO VERY LIGHT ORANGE
12% POROSITY: LOW PERMEABILITY; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: CALCITE-40%
DICTYOCONUS PRESENT, POSSIBLY CAVED. CAVED PHOSPHATE SAND.

4060 - 4090 DOLOSTONE; MODERATE YELLOWISH BROWN TO VERY LIGHT ORANGE
11% POROSITY: LOW PERMEABILITY; 50-90% ALTERED; EUHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CALCITE-40%
SOME DICTYOCONUS AMERICANUS PRESENT, POSSIBLY CAVED

4090 - 4150 DOMINANTLY SAND, PROBABLY CAVED

4150 - 4420 CALCILUTITE; WHITE TO VERY LIGHT ORANGE
GRAIN TYPE: CALCILUTITE
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO VERY FINE
UNCONSOLIDATED
VERY FINE, PURE CALCILUTITE

TOTAL DEPTH