

SOUTH FLORIDA WMD - LITHO LOG PRINTOUT

W-DKF42

HIGHLANDS CO. T34S R31E SEC 23 27 30 07 N 81 11 46 W
TOTAL DEPTH- 1180 FT. ELEV.- FT. 118 SAMPLES- 0- 1180 FT.
COMPLETED- 82.04.21 DEPTH WORKED 1180 FT.

WELL NAME-

S65C- SFWMD EXPLORATORY WELL- ALVIN WOODSTER, DRILLER

REMARKS-

CUTTING COLLECTED AND DESCRIBED BY
JON SHAW, SFWMD, APRIL 30, 1982
GEOPHYSICAL LOGS AVAILABLE

HYDROGEOLOGIC UNITS

0.0- 180.0 SHALLOW AQUIFER SYSTEM
180.0- 370.0 HAWTHORN CONFINING BED
370.0- 1100.0 FLORIDAN AQUIFER SYSTEM

STRATIGRAPHIC FORMATIONS -

0.0- 180.0 UNDIFFERENTIATED SAND, CLAY AND SHELLS
180.0- 420.0 HAWTHORN FORMATION
420.0- 590.0 OCALA GROUP
590.0- 1180.0 AVON PARK LIMESTONE

LITHOLOGIC LOG

W-DKF42 . HIGHLANDS CO. T34S, R31E, SEC 23

0.0- 20.0 SAND, DARK BROWN TO MODERATE BROWN, POROSITY, INTERGRANULAR,
GRAIN SIZE: MEDIUM, RANGE: FINE TO COARSE, SUB-ANGULAR,
UNCONSOLIDATED, ORGANIC MATRIX, 05% IRON STAIN, NO FOSSIL,
ORGANICS,

20.0- 40.0 SHELL BED, MODERATE GRAY TO LIGHT GRAY, POROSITY,
INTERGRANULAR, MOLDIC, UNCONSOLIDATED, 40% QUARTZ SAND, 05%
CLAY, VARVED, MOLLUSKS,

40.0- 50.0 CLAY, LIGHT OLIVE GRAY, POROSITY, LOW PERMEABILITY,
UNCONSOLIDATED, CLAY MATRIX, CALCILUTITE MATRIX, 05% QUARTZ
SAND, 03% PHOSPHATIC SAND, CALCAREOUS, MOLLUSKS,

50.0- 60.0 SAND, LIGHT OLIVE GRAY TO VERY LIGHT GRAY, POROSITY,
INTERGRANULAR, LOW PERMEABILITY, GRAIN SIZE: FINE, RANGE:
MICROCRYSTALLINE TO MEDIUM, ANGULAR, UNCONSOLIDATED, CLAY
MATRIX, 05% PHOSPHATIC SAND, CALCAREOUS, MOLLUSKS, SHARK
TEETH,

60.0- 70.0 SAND, GREENISH GRAY TO VERY LIGHT GRAY, POROSITY,
INTERGRANULAR, MOLDIC, GRAIN SIZE: MEDIUM, RANGE:
MICROCRYSTALLINE TO VERY COARSE, SUB-ANGULAR,
UNCONSOLIDATED, CLAY MATRIX, 07% PHOSPHATIC SAND, 20% CLAY,
MOLLUSKS, SHARK TEETH, CRUSTACEA,

LITHOLOGIC LOG

W-0KF42 . HIGHLANDS CO. T34S, R31E, SEC 23

- 70.0- 80.0 SAND, LIGHT OLIVE GRAY, POROSITY, INTERGRANULAR, GRAIN SIZE: MEDIUM, RANGE: MICROCRYSTALLINE TO COARSE, ANGULAR, UNCONSOLIDATED, CLAY MATRIX, 15% PHOSPHATIC SAND, 20% CLAY, MOLLUSKS,
SHELL BED, WHITE, POROSITY, MOLDIC, UNCONSOLIDATED, MOLLUSKS,
- 80.0- 90.0 SAND, LIGHT OLIVE GRAY, POROSITY, INTERGRANULAR, GRAIN SIZE: MEDIUM, RANGE: MICROCRYSTALLINE TO COARSE, ANGULAR, UNCONSOLIDATED, CLAY MATRIX, 15% PHOSPHATIC SAND, 15% CLAY, CALCAREOUS, MOLLUSKS,
PHOSPHATE RUBBLE
- 90.0- 100.0 SAND, LIGHT OLIVE GRAY, POROSITY, INTERGRANULAR, LOW PERMEABILITY, GRAIN SIZE: FINE, RANGE: MICROCRYSTALLINE TO MEDIUM, SUB-ANGULAR, UNCONSOLIDATED, CLAY MATRIX, 03% PHOSPHATIC SAND, 15% CLAY, CALCAREOUS, MOLLUSKS,
ARAGONITE NEEDLES
- 100.0- 110.0 SAND, GRAYISH OLIVE, POROSITY, INTERGRANULAR, LOW PERMEABILITY, GRAIN SIZE: VERY FINE, RANGE: MICROCRYSTALLINE TO MEDIUM, UNCONSOLIDATED, CLAY MATRIX, 03% PHOSPHATIC SAND, 20% CLAY, CALCAREOUS, MOLLUSKS,
- 110.0- 140.0 AS ABOVE,
- 140.0- 150.0 SANDSTONE, YELLOWISH GRAY, POROSITY, POSSIBLY HIGH PERMEABILITY, MODERATE INDURATION, SPARRY CALCITE CEMENT, SILICIC CEMENT, 75% QUARTZ SAND, 03% PHOSPHATIC SAND, CALCAREOUS, MOLLUSKS,
POSSIBLE GOOD AQUIFER
- 150.0- 170.0 AS ABOVE,
- 170.0- 180.0 SAND, GRAYISH OLIVE, POROSITY, INTERGRANULAR, LOW PERMEABILITY, GRAIN SIZE: FINE, RANGE: MICROCRYSTALLINE TO MEDIUM, SUB-ANGULAR, UNCONSOLIDATED, CLAY MATRIX, 25% CLAY, 01% PHOSPHATIC SAND, NO FOSSIL,
TOP OF CONFINING ZONE
- 180.0- 210.0 AS ABOVE,
SHELL CAVINGS FROM ABOVE
- 210.0- 240.0 AS ABOVE,
- 240.0- 250.0 SAND, LIGHT OLIVE GRAY, POROSITY, LOW PERMEABILITY, GRAIN SIZE: FINE, SUB-ANGULAR, UNCONSOLIDATED, CLAY MATRIX, 02% PHOSPHATIC SAND, NO FOSSIL,

LITHOLOGIC LOG

W-OKF42 , HIGHLANDS CO. T34S, R31E, SEC 23

- 250.0- 260.0 AS ABOVE,
- 260.0- 270.0 CLAY, OLIVE GRAY, POROSITY, LOW PERMEABILITY,
UNCONSOLIDATED, 15% PHOSPHATIC SAND, 05% QUARTZ SAND, NO
FOSSIL,
- 270.0- 310.0 AS ABOVE,
- 310.0- 320.0 CLAY, VERY LIGHT GRAY TO LIGHT GRAY, POROSITY, LOW
PERMEABILITY, UNCONSOLIDATED, 30% PHOSPHATIC SAND, 05%
QUARTZ SAND, CALCAREOUS, MOLLUSKS,
- 320.0- 330.0 LIMESTONE, VERY LIGHT GRAY, POROSITY, LOW PERMEABILITY,
UNCONSOLIDATED, 25% PHOSPHATIC SAND, 15% QUARTZ SAND, 20%
CLAY, CALCAREOUS, FOSSIL MOLOS,

LARGE PHOSPHATE PEBBLES
- 330.0- 350.0 AS ABOVE,
- 350.0- 360.0 SAND, YELLOWISH GRAY, POROSITY, LOW PERMEABILITY, GRAIN
SIZE: FINE, RANGE: MICROCRYSTALLINE TO MEDIUM, ROUNDED,
UNCONSOLIDATED, CLAY MATRIX, CALCILUTITE MATRIX, 05%
PHOSPHATIC SAND, 10% CLAY, CALCAREOUS, FOSSIL FRAGMENTS,
- 360.0- 370.0 AS ABOVE,

SOME SPARRY CALCITE
- 370.0- 380.0 LIMESTONE, WHITE, POROSITY, POSSIBLY HIGH PERMEABILITY,
GRAIN TYPE: CALCILUTITE, CRYSTALS, 10% ALLOCHEMICAL
CONSTITUENTS, GRAIN SIZE: FINE, RANGE: MICROCRYSTALLINE TO
MEDIUM, MODERATE INDURATION, CALCILUTITE MATRIX, SPARRY
CALCITE CEMENT, 10% PHOSPHATIC SAND, CHALKY, MOLLUSKS,

TOP OF FLORIDAN AQUIFER SYSTEM
- 380.0- 390.0 AS ABOVE,
- 390.0- 400.0 LIMESTONE, WHITE TO GRAYISH BROWN, GRAIN TYPE: CALCILUTITE,
CRYSTALS, INTRACLASTS, 05% ALLOCHEMICAL CONSTITUENTS, GRAIN
SIZE: FINE, GOOD INDURATION, CALCILUTITE MATRIX, SPARRY
CALCITE CEMENT, 15% PHOSPHATIC SAND, 02% QUARTZ SAND,
CHALKY, MEDIUM RECRYSTALLIZATION, MOLLUSKS,

MIXTURE OF A CHALKY WHITE LIMESTONE AND A
WELL INDURATED LIGHT BROWN LIMESTONE WITH
QUARTZ AND PHOSPHATE INTERCLASTS
- 400.0- 410.0 AS ABOVE,

LITHOLOGIC LOG

W-OKF42 . HIGHLANDS CO. T34S, R31E, SEC 23

- 410.0- 420.0 LIMESTONE, WHITE TO VERY LIGHT GRAY, POROSITY,
INTERGRANULAR, GRAIN TYPE: BIOGENIC, CRYSTALS, CALCILUTITE,
25% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: MEDIUM, RANGE:
FINE TO COARSE, MODERATE INDURATION, CALCILUTITE MATRIX,
CHALKY, BENTHONIC FORAMINIFERA, BRYOZOA,

FIRST OCCURENCE OF LEPIDOCYLINA SP.
- 420.0- 430.0 AS ABOVE,

WITH NUMULITES SP.
- 430.0- 440.0 LIMESTONE, WHITE, POROSITY, LOW PERMEABILITY, GRAIN TYPE:
CALCILUTITE, BIOGENIC, 05% ALLOCHEMICAL CONSTITUENTS, GRAIN
SIZE: VERY FINE, POOR INDURATION, CHALKY, BENTHONIC
FORAMINIFERA, BRYOZOA,

EXTREMEY CHALKY
- 440.0- 450.0 LIMESTONE, WHITE, POROSITY, INTERGRANULAR, GRAIN TYPE:
BIOGENIC, INTRACLASTS, CALCILUTITE, 25% ALLOCHEMICAL
CONSTITUENTS, GRAIN SIZE: MEDIUM, RANGE: FINE TO COARSE,
MODERATE INDURATION, CALCILUTITE MATRIX, CHALKY, BENTHONIC
FORAMINIFERA, BRYOZOA,

LEPIDOCYLINA DCALANA
- 450.0- 460.0 AS ABOVE,
- 460.0- 470.0 LIMESTONE, WHITE, POROSITY, INTERGRANULAR, GRAIN TYPE:
BIOGENIC, INTRACLASTS, 75% ALLOCHEMICAL CONSTITUENTS, GRAIN
SIZE: MEDIUM, RANGE: FINE TO COARSE, MODERATE INDURATION,
CALCILUTITE MATRIX, COQUINA, CHALKY, BENTHONIC FORAMINIFERA,
BRYOZOA, MOLLUSKS,

LEP HASH
- 470.0- 520.0 AS ABOVE,
- 520.0- 530.0 LIMESTONE, WHITE TO VERY LIGHT GRAY, POROSITY,
INTERGRANULAR, GRAIN TYPE: BIOGENIC, CRYSTALS, 85%
ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: COARSE, RANGE: FINE
TO VERY COARSE, POOR INDURATION, CALCILUTITE MATRIX, SPARRY
CALCITE CEMENT, CLAY MATRIX, CHALKY, COQUINA, BENTHONIC
FORAMINIFERA, BRYOZOA,

OPERCULINOIDES SP.
MANY LEPS ARE REPLACED WITH BLACK (ORGANIC OR
PHOSPHATIC) MATERIAL
- 530.0- 580.0 AS ABOVE,

LITHOLOGIC LOG

W-OKF42 . HIGHLANDS CO. T34S, R31E, SEC 23

- 580.0- 590.0 LIMESTONE, VERY LIGHT GRAY TO VERY LIGHT ORANGE, POROSITY, INTERGRANULAR, VUGULAR, GRAIN TYPE: BIOGENIC, CRYSTALS, 75% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: MEDIUM, RANGE: VERY FINE TO COARSE, POOR INDURATION, CALCILUTITE MATRIX, SPARRY CALCITE CEMENT, CHALKY, LOW RECRYSTALLIZATION, ECHINOID, BENTHONIC FORAMINIFERA, BRYOZOA, WORM TRACES, CONES,

FIRST OCCURRENCE OF DICTYOCONUS SP.
ECHINOIDS REPLACED BY BLOCKY SPARRY CALCITE
- 590.0- 600.0 LIMESTONE, VERY LIGHT ORANGE TO VERY LIGHT GRAY, POROSITY, INTERGRANULAR, VUGULAR, POSSIBLY HIGH PERMEABILITY, GRAIN TYPE: CRYSTALS, CALCILUTITE, BIOGENIC, 50% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: MEDIUM, RANGE: VERY FINE TO COARSE, POOR INDURATION, SPARRY CALCITE CEMENT, CALCILUTITE MATRIX, CHALKY, LOW RECRYSTALLIZATION, ECHINOID, CONES, BENTHONIC FORAMINIFERA, BRYOZOA, WORM TRACES,
- 600.0- 620.0 AS ABOVE,
- 620.0- 630.0 LIMESTONE, VERY LIGHT ORANGE, POROSITY, VUGULAR, PIN POINT VUGS, GRAIN TYPE: CALCILUTITE, CRYSTALS, 30% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: FINE, RANGE: MICROCRYSTALLINE TO COARSE, POOR INDURATION, CALCILUTITE MATRIX, SPARRY CALCITE CEMENT, CHALKY, ECHINOID, BENTHONIC FORAMINIFERA,
- 630.0- 660.0 AS ABOVE,
- 660.0- 670.0 LIMESTONE, VERY LIGHT ORANGE, POROSITY, PIN POINT VUGS, INTERGRANULAR, GRAIN TYPE: CALCILUTITE, CRYSTALS, 10% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: FINE, RANGE: MICROCRYSTALLINE TO COARSE, POOR INDURATION, CALCILUTITE MATRIX, SPARRY CALCITE CEMENT, CHALKY, ECHINOID, BENTHONIC FORAMINIFERA, CONES, BRYOZOA,
- 670.0- 710.0 AS ABOVE,
- 710.0- 720.0 LIMESTONE, VERY LIGHT ORANGE TO GRAYISH ORANGE, POROSITY, INTERGRANULAR, VUGULAR, GRAIN TYPE: CRYSTALS, BIOGENIC, CALCILUTITE, 30% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: FINE, RANGE: MICROCRYSTALLINE TO COARSE, POOR INDURATION, SPARRY CALCITE CEMENT, CALCILUTITE MATRIX, CHALKY, LOW RECRYSTALLIZATION, CONES, ECHINOID, BENTHONIC FORAMINIFERA, BRYOZOA,
- 720.0- 730.0 LIMESTONE, GRAYISH BROWN TO GRAYISH ORANGE, POROSITY, INTERGRANULAR, VUGULAR, GRAIN TYPE: CRYSTALS, CALCILUTITE, 25% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: FINE, RANGE: MICROCRYSTALLINE TO COARSE, POOR INDURATION, SPARRY CALCITE CEMENT, DOLOMITE CEMENT, 01% QUARTZ SAND, DOLOMITIC, CHALKY, CONES, ECHINOID, BENTHONIC FORAMINIFERA, BRYOZOA,

LITHOLOGIC LOG

W-OKF42 . HIGHLANDS CO. T34S, R31E, SEC 23

- 730.0- 740.0 LIMESTONE, VERY LIGHT GRAY TO VERY LIGHT ORANGE, POROSITY, INTERGRANULAR, VUGULAR, GRAIN TYPE: CRYSTALS, CALCILUTITE, 25% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: FINE, RANGE: MICROCRYSTALLINE TO COARSE, POOR INDURATION, SPARRY CALCITE CEMENT, 01% QUARTZ SAND, CHALKY, CONES, BENTHONIC FORAMINIFERA, BRYOZOA,
- 740.0- 750.0 LIMESTONE, VERY LIGHT GRAY TO LIGHT OLIVE GRAY, POROSITY, INTERGRANULAR, VUGULAR, GRAIN TYPE: CRYSTALS, CALCILUTITE, GRAIN SIZE: FINE, RANGE: MICROCRYSTALLINE TO COARSE, POOR INDURATION, SPARRY CALCITE CEMENT, CLAY MATRIX, 03% CLAY, 01% QUARTZ SAND, CHALKY, CONES, BENTHONIC FORAMINIFERA, BRYOZOA,
- 750.0- 760.0 LIMESTONE, VERY LIGHT GRAY TO MODERATE GRAY, POROSITY, INTERGRANULAR, VUGULAR, LOW PERMEABILITY, GRAIN TYPE: CRYSTALS, CALCILUTITE, 10% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: VERY FINE, RANGE: MICROCRYSTALLINE TO COARSE, POOR INDURATION, SPARRY CALCITE CEMENT, CLAY MATRIX, 05% CLAY, 02% QUARTZ SAND, CHALKY, CONES, ECHINOID, BENTHONIC FORAMINIFERA, BRYOZOA,
- 760.0- 770.0 LIMESTONE, VERY LIGHT ORANGE, POROSITY, INTERGRANULAR, VUGULAR, GRAIN TYPE: CRYSTALS, CALCILUTITE, 25% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: FINE, RANGE: MICROCRYSTALLINE TO COARSE, POOR INDURATION, SPARRY CALCITE CEMENT, CALCILUTITE MATRIX, CHALKY, CONES, ECHINOID, BENTHONIC FORAMINIFERA, BRYOZOA,
- 770.0- 790.0 AS ABOVE,
- 790.0- 800.0 DOLOMITE, GRAYISH BROWN TO MODERATE YELLOWISH BROWN, POROSITY, INTERGRANULAR, FRACTURE, POSSIBLY HIGH PERMEABILITY, 10-50% ALTERED, SUBHEDRAL, GRAIN SIZE: FINE, MODERATE INDURATION, SPARRY CALCITE CEMENT, CALCILUTITE MATRIX, BENTHONIC FORAMINIFERA, BRYOZOA,
- 800.0- 810.0 LIMESTONE, WHITE TO VERY LIGHT ORANGE, POROSITY, INTERGRANULAR, GRAIN TYPE: CRYSTALS, CALCILUTITE, BIOGENIC, 25% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: FINE, RANGE: MICROCRYSTALLINE TO COARSE, POOR INDURATION, SPARRY CALCITE CEMENT, CALCILUTITE MATRIX, CHALKY, DOLOMITIC, LOW RECRYSTALLIZATION, BENTHONIC FORAMINIFERA, ECHINOID, BRYOZOA,
- 810.0- 820.0 LIMESTONE, WHITE TO VERY LIGHT ORANGE, POROSITY, INTERGRANULAR, PIN POINT VUGS, GRAIN TYPE: CRYSTALS, CALCILUTITE, BIOGENIC, 20% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: VERY FINE, RANGE: MICROCRYSTALLINE TO MEDIUM, MODERATE INDURATION, SPARRY CALCITE CEMENT, CALCILUTITE MATRIX, CHALKY, DOLOMITIC, LOW RECRYSTALLIZATION, BENTHONIC FORAMINIFERA, ECHINOID, BRYOZOA, CONES,
- 820.0- 860.0 AS ABOVE,

LITHOLOGIC LOG

W-DKF42 . HIGHLANDS CO. T34S, R31E, SEC 23

- 860.0- 870.0 LIMESTONE, VERY LIGHT GRAY TO MODERATE LIGHT GRAY, POROSITY, INTERGRANULAR, PIN POINT VUGS, GRAIN TYPE: CRYSTALS, CALCILUTITE, BIOGENIC, 20% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: VERY FINE, RANGE: MICROCRYSTALLINE TO MEDIUM, MODERATE INDURATION, SPARRY CALCITE CEMENT, CALCILUTITE MATRIX, CHALKY, DOLOMITIC, LOW RECRYSTALLIZATION, BENTHONIC FORAMINIFERA, ECHINOID, BRYOZOA, CONES,
- 870.0- 880.0 DOLOMITE, VERY LIGHT ORANGE TO GRAYISH BROWN, POROSITY, INTERGRANULAR, PIN POINT VUGS, MODERATE INDURATION, SPARRY CALCITE CEMENT, CALCILUTITE MATRIX, CHALKY, DOLOMITIC, MEDIUM RECRYSTALLIZATION, BENTHONIC FORAMINIFERA, ECHINOID, BRYOZOA, CONES,
- 880.0- 890.0 LIMESTONE, VERY LIGHT GRAY TO MODERATE LIGHT GRAY, POROSITY, INTERGRANULAR, PIN POINT VUGS, GRAIN TYPE: CRYSTALS, CALCILUTITE, BIOGENIC, 20% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: VERY FINE, RANGE: MICROCRYSTALLINE TO MEDIUM, MODERATE INDURATION, SPARRY CALCITE CEMENT, CALCILUTITE MATRIX, CHALKY, DOLOMITIC, LOW RECRYSTALLIZATION, BENTHONIC FORAMINIFERA, ECHINOID, BRYOZOA, CONES,
- 890.0- 900.0 DOLOMITE, GRAYISH ORANGE TO GRAYISH BROWN, POROSITY, PIN POINT VUGS, POOR INDURATION, CALCILUTITE MATRIX, SPARRY CALCITE CEMENT, CHALKY, DOLOMITIC, LOW RECRYSTALLIZATION, BENTHONIC FORAMINIFERA, ECHINOID, BRYOZOA, CONES,
 ABUNDANT SMALL FRAGMENTS OF ECHNOIDS SPINES,
 AND OTHER BIOGENIC MATERIAL
- 900.0- 910.0 LIMESTONE, WHITE TO VERY LIGHT GRAY, POROSITY, INTERGRANULAR, VUGULAR, GRAIN TYPE: CRYSTALS, CALCILUTITE, BIOGENIC, 15% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: VERY FINE, RANGE: MICROCRYSTALLINE TO COARSE, POOR INDURATION, CALCILUTITE MATRIX, SPARRY CALCITE CEMENT, CHALKY, CONES, ECHINOID, BENTHONIC FORAMINIFERA, BRYOZOA,
 DOLOMITE, VERY LIGHT ORANGE TO GRAYISH BROWN, POROSITY, INTERGRANULAR, FRACTURE, VUGULAR, 10-50% ALTERED, SUBHEDRAL, GRAIN SIZE: VERY FINE, RANGE: MICROCRYSTALLINE TO COARSE, MODERATE INDURATION, CALCILUTITE MATRIX, SPARRY CALCITE CEMENT, CHALKY, CONES, ECHINOID, BENTHONIC FORAMINIFERA, BRYOZOA,
- 910.0- 920.0 AS ABOVE,
- 920.0- 930.0 LIMESTONE, VERY LIGHT GRAY TO LIGHT GRAY, POROSITY, INTERGRANULAR, VUGULAR, GRAIN TYPE: CRYSTALS, CALCILUTITE, BIOGENIC, 10% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: VERY FINE, RANGE: MICROCRYSTALLINE TO COARSE, POOR INDURATION, CALCILUTITE MATRIX, SPARRY CALCITE CEMENT, CHALKY, CONES, ECHINOID, BENTHONIC FORAMINIFERA, BRYOZOA,

LITHOLOGIC LOG

W-OKF42 . HIGHLANDS CO. T34S, R31E, SEC 23

- 930.0- 940.0 DOLOMITE, GRAYISH ORANGE TO GRAYISH BROWN, POROSITY, INTERGRANULAR, VUGULAR, 10-50% ALTERED, SUBHEDRAL, GRAIN SIZE: VERY FINE, RANGE: MICROCRYSTALLINE TO COARSE, MODERATE INDURATION, CALCILUTITE MATRIX, DOLOMITE CEMENT, MEDIUM RECRYSTALLIZATION, CONES, ECHINOID, BENTHONIC FORAMINIFERA, BRYOZOA,
ABUNDANT DOLOMITIZED LOOSELY CEMENTED BENTHONIC FORAMS
- 940.0- 980.0 AS ABOVE,
- 980.0- 990.0 DOLOMITE, MODERATE YELLOWISH BROWN TO GRAYISH ORANGE, POROSITY, INTERGRANULAR, VUGULAR, 50-90% ALTERED, EUHEDRAL, GRAIN SIZE: FINE, RANGE: VERY FINE TO COARSE, POOR INDURATION, CALCILUTITE MATRIX, DOLOMITE CEMENT, 03% QUARTZ SAND, CHALKY, CONES, BENTHONIC FORAMINIFERA, BRYOZOA, ALGAE,
- 990.0- 1000.0 AS ABOVE,
- 1000.0- 1010.0 DOLOMITE, GRAYISH BROWN TO MODERATE YELLOWISH BROWN, POROSITY, VUGULAR, INTERGRANULAR, 50-90% ALTERED, EUHEDRAL, GRAIN SIZE: FINE, RANGE: MICROCRYSTALLINE TO MEDIUM, MODERATE INDURATION, CALCILUTITE MATRIX, DOLOMITE CEMENT, 02% QUARTZ SAND, MEDIUM RECRYSTALLIZATION, CONES, BENTHONIC FORAMINIFERA, BRYOZOA, ALGAE,
- 1010.0- 1040.0 AS ABOVE,
- 1040.0- 1050.0 LIMESTONE, VERY LIGHT GRAY TO VERY LIGHT ORANGE, POROSITY, INTERGRANULAR, GRAIN TYPE: CALCILUTITE, CALCILUTITE, BIOGENIC, 20% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: FINE, RANGE: VERY FINE TO COARSE, MODERATE INDURATION, CALCILUTITE MATRIX, SPARRY CALCITE CEMENT, MEDIUM RECRYSTALLIZATION, CONES, BENTHONIC FORAMINIFERA,
ABUNDANT CONES WITH WORN TESTS
- 1050.0- 1060.0 AS ABOVE,
- 1060.0- 1070.0 LIMESTONE, VERY LIGHT ORANGE TO GRAYISH ORANGE, POROSITY, INTERGRANULAR, VUGULAR, GRAIN TYPE: CALCILUTITE, CRYSTALS, BIOGENIC, 10% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: FINE, RANGE: MICROCRYSTALLINE TO COARSE, POOR INDURATION, CALCILUTITE MATRIX, SPARRY CALCITE CEMENT, CHALKY, MEDIUM RECRYSTALLIZATION, CONES, BENTHONIC FORAMINIFERA,
- 1070.0- 1090.0 AS ABOVE,
CAVINGS FROM OCALA
- 1090.0- 1100.0 LIMESTONE, VERY LIGHT ORANGE, POROSITY, INTERGRANULAR, GRAIN TYPE: CRYSTALS, CALCILUTITE, 20% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: FINE, RANGE: VERY FINE TO COARSE, POOR INDURATION, CHALKY, CONES, ECHINOID, BENTHONIC FORAMINIFERA,

LITHOLOGIC LOG

W-OKF42 . HIGHLANDS CO. T34S, R31E, SEC 23

- 1100.0- 1110.0 LIMESTONE, WHITE TO VERY LIGHT GRAY, POROSITY, INTERGRANULAR, VUGULAR, GRAIN TYPE: CRYSTALS, CALCILUTITE, 107 ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: FINE, RANGE: VERY FINE TO COARSE, POOR INDURATION, CHALKY, CONES, ECHINOID, BENTHONIC FORAMINIFERA,
- 1110.0- 1130.0 AS ABOVE,
- 1130.0- 1140.0 DOLOMITE, VERY LIGHT ORANGE TO GRAYISH ORANGE, POROSITY, INTERGRANULAR, VUGULAR, 10-50% ALTERED, ANHEDRAL, GRAIN SIZE: FINE, RANGE: VERY FINE TO COARSE, MODERATE INDURATION, DOLOMITE CEMENT, SPARRY CALCITE CEMENT, MEDIUM RECRYSTALLIZATION, CONES, BENTHONIC FORAMINIFERA,
- 1140.0- 1150.0 DOLOMITE, VERY LIGHT ORANGE TO GRAYISH ORANGE, POROSITY, INTERGRANULAR, VUGULAR, 10-50% ALTERED, SUBHEDRAL, GRAIN SIZE: FINE, MODERATE INDURATION, DOLOMITE CEMENT, SPARRY CALCITE CEMENT, MEDIUM RECRYSTALLIZATION, CONES, BENTHONIC FORAMINIFERA,
- 1150.0- 1160.0 DOLOMITE, MODERATE YELLOWISH BROWN TO DARK YELLOWISH BROWN, POROSITY, INTERGRANULAR, FRACTURE, 50-90% ALTERED, EUHEDRAL, GRAIN SIZE: FINE, GOOD INDURATION, DOLOMITE CEMENT, SPARRY CALCITE CEMENT, HIGH RECRYSTALLIZATION,
- 1160.0- 1180.0 FROM 1160 TO 1180 IS A FINE, UNCONSOLIDATED DOLOSILT. THIS FINE MATERIAL WAS CLOGGING THE DRILL RODS. CAVED IN BACK TO 1152 WHEN GEOPHYSICALLY LOGGED