

## LITHOLOGIC WELL LOG PRINTOUT

SOURCE - FGS

WELL NUMBER: W-15259  
 TOTAL DEPTH: 1840 FT.  
 S.02

COUNTY - HENDRY  
 LOCATION: T.45S R.28E

58 SAMPLES FROM 0 TO 1840 FT.  
 39S

LAT = 26D 35M

LON = 81D 29M

29S

COMPLETION DATE: 05/11/82

ELEVATION: 30 FT

OTHER TYPES OF LOGS AVAILABLE - OTHER

OWNER/DRILLER:NRM CORPORATION DUDA WELL

ANALYTICAL LOGGING, INC., DRILLER.

WORKED BY:\_\_\_JOE AYLOR (6/20/94), 30 FOOT SAMPLE INTERVALS

SFWMD ID# FOR CUTTINGS IS 051-02 (HOLE #NRM-2-2) HENDRY COUNTY.

LOCATED IN THE NW 1/4, SEC 2, T45S, R28E

UTM PLANAR, ZONE 17 X=451071.7, Y=2941415.3

EAST ZONE IN FEET, POLYCONIC PLANAR X=339420; PLANAR Y=821925

WELL IS LOCATED IN THE FELDA 7.5 MINUTE QUADRANGLE.

THE OKEECHOBEE FORMATION IS PROPOSED FOR THE PLIO-PLEISTOCENE INTERVAL  
 (SCOTT, 1992, P. 23, FLORIDA GEOLOGICAL SURVEY SPECIAL PUBLICATION 36).

PLEASE SEE OTHER DESCRIPTION OF THIS WELL.

240.	-	250.	000NOSM	NO SAMPLES
1480.	-	1570.	000NOSM	NO SAMPLES
0.	-	310.	090UDSC	UNDIFFERENTIATED SAND AND CLAY
40.	-	245.	121PCPC	PLIOCENE-PLEISTOCENE
310.	-	700.	122HTRN	HAWTHORN GROUP
700.	-	880.	123SWNN	SUWANNEE LIMESTONE
880.	-	.	124OCAL	OCALA GROUP

0 - 30 LIMESTONE; VERY LIGHT ORANGE TO WHITE  
 30% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
 GRAIN TYPE: BIOGENIC, CALCILUTITE  
 90% ALLOCHEMICAL CONSTITUENTS  
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
 MODERATE INDURATION  
 CEMENT TYPE(S): CALCILUTITE MATRIX  
 ACCESSORY MINERALS: QUARTZ SAND-30%  
 OTHER FEATURES: MEDIUM RECRYSTALLIZATION  
 FOSSILS: BENTHIC FORAMINIFERA

30 - 60 LIMESTONE; VERY LIGHT ORANGE  
 30% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
 GRAIN TYPE: BIOGENIC, CALCILUTITE  
 90% ALLOCHEMICAL CONSTITUENTS  
 GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO MEDIUM  
 MODERATE INDURATION  
 CEMENT TYPE(S): CALCILUTITE MATRIX  
 ACCESSORY MINERALS: QUARTZ SAND-30%, CALCILUTITE-20%  
 OTHER FEATURES: LOW RECRYSTALLIZATION

60 - 90 Limestone; very light orange  
20% porosity: intergranular, possibly high permeability  
grain type: biogenic, calcilutite  
90% allochemical constituents  
grain size: fine; range: microcrystalline to medium  
moderate induration  
cement type(s): calcilutite matrix  
accessory minerals: quartz sand-30%, shell-20%  
calcilutite-20%  
other features: low recrystallization  
fossils: mollusks, barnacles

90 - 150 Sand; white  
30% porosity: intergranular, possibly high permeability  
grain size: medium; range: fine to gravel  
roundness: rounded to sub-rounded; high sphericity  
unconsolidated  
accessory minerals: shell-02%, limestone-02%  
phosphatic sand-01%  
fossils: mollusks  
poorly sorted.

150 - 210 Limestone; very light orange to grayish orange  
30% porosity: intergranular, possibly high permeability  
grain type: biogenic, calcilutite  
90% allochemical constituents  
grain size: fine; range: microcrystalline to medium  
moderate induration  
cement type(s): calcilutite matrix  
accessory minerals: shell-40%, quartz sand-05%  
other features: low recrystallization  
fossils: mollusks, bryozoa, miliolids  
35% grayish orange 10yr 7/4 dolostone, 60% white n9  
limestone.

210 - 240 Limestone; very light orange  
30% porosity: intergranular, possibly high permeability  
grain type: biogenic, calcilutite  
95% allochemical constituents  
grain size: fine; range: microcrystalline to medium  
moderate induration  
cement type(s): calcilutite matrix  
accessory minerals: shell-50%  
other features: low recrystallization  
fossils: mollusks, miliolids  
gastropods.

240 - 250 NO SAMPLES

250 - 310 Calcilutite; light greenish gray  
15% porosity: intergranular, possibly high permeability  
grain type: biogenic, calcilutite  
80% allochemical constituents  
grain size: very fine; range: cryptocrystalline to fine

POOR INDURATION  
 CEMENT TYPE(S): CALCILUTITE MATRIX  
 ACCESSORY MINERALS: QUARTZ-10%, PHOSPHATIC SAND-02%  
 OTHER FEATURES: LOW RECRYSTALLIZATION  
 GASTROPODS, HAWTHORN GROUP

310 - 340 LIMESTONE; VERY LIGHT GRAY  
 20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
 GRAIN TYPE: BIOGENIC, CALCILUTITE  
 90% ALLOCHEMICAL CONSTITUENTS  
 GRAIN SIZE: FINE; RANGE: MICROCRYSTALLINE TO MEDIUM  
 POOR INDURATION  
 CEMENT TYPE(S): CALCILUTITE MATRIX  
 ACCESSORY MINERALS: SHELL-20%, QUARTZ-10%, CALCILUTITE-05%  
 PHOSPHATIC SAND-01%  
 OTHER FEATURES: LOW RECRYSTALLIZATION  
 FOSSILS: MOLLUSKS  
 POORLY SORTED SANDSTONE, 20% MEDIUM LIGHT GRAY LIMESTONE.

340 - 400 SILT; LIGHT OLIVE  
 20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
 UNCONSOLIDATED  
 ACCESSORY MINERALS: QUARTZ-20%, CALCILUTITE-20%  
 PHOSPHATIC SAND-03%, SHELL-05%  
 OTHER FEATURES: LOW RECRYSTALLIZATION  
 FOSSILS: MOLLUSKS

400 - 520 SAND; YELLOWISH GRAY  
 20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
 ROUNDNESS: ROUNDED TO SUB-ROUNDED; HIGH SPHERICITY  
 POOR INDURATION  
 CEMENT TYPE(S): CALCILUTITE MATRIX  
 ACCESSORY MINERALS: CALCILUTITE-20%, PHOSPHATIC SAND-03%  
 IRON STAIN-03%  
 FOSSILS: MOLLUSKS, ECHINOID

520 - 550 SILT; LIGHT OLIVE  
 20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
 UNCONSOLIDATED  
 ACCESSORY MINERALS: QUARTZ SAND-30%, CALCILUTITE-20%  
 SHELL-10%, PHOSPHATIC SAND-03%  
 OTHER FEATURES: LOW RECRYSTALLIZATION  
 FOSSILS: MOLLUSKS

550 - 640 CALCILUTITE; VERY LIGHT GRAY  
 20% 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: QUARTZ SAND-30%, PHOSPHATIC SAND-03%

OTHER FEATURES: LOW RECRYSTALLIZATION  
FOSSILS: MOLLUSKS

640 - 670 CALCILUTITE; YELLOWISH GRAY  
20% 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: SHELL-10%, PHOSPHATIC SAND-02%  
OTHER FEATURES: LOW RECRYSTALLIZATION  
FOSSILS: MOLLUSKS, BRYOZOA

670 - 700 SAND; VERY LIGHT GRAY  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN SIZE: VERY FINE; RANGE: CRYPTOCRYSTALLINE TO FINE  
ROUNDNESS: ROUNDED TO SUB-ROUNDED; HIGH SPHERICITY  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: CALCILUTITE-25%  
OTHER FEATURES: LOW RECRYSTALLIZATION  
FOSSILS: MOLLUSKS, BRYOZOA  
LOST CIRCULATION MATERIAL, SUWANNEE FORMATION.

700 - 730 LIMESTONE; LIGHT GRAY  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, CALCILUTITE  
90% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
MODERATE INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: PHOSPHATIC SAND-01%  
OTHER FEATURES: MEDIUM RECRYSTALLIZATION  
FOSSILS: MOLLUSKS, ECHINOID, BRYOZOA  
10% LIGHT GRAY DOLOSTONE, 25% GRAYISH ORANGE PINK  
DOLOSTONE.

730 - 820 LIMESTONE; VERY LIGHT GRAY  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, CALCILUTITE  
90% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: SPAR-10%, QUARTZ-05%, CALCITE-03%  
PHOSPHATIC SAND-01%  
OTHER FEATURES: MEDIUM RECRYSTALLIZATION  
FOSSILS: ECHINOID, BRYOZOA

820 - 880 LIMESTONE; WHITE  
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: CALCILUTITE-30%, QUARTZ-10%  
PHOSPHATIC SAND- %  
OTHER FEATURES: MEDIUM RECRYSTALLIZATION  
FOSSILS: MOLLUSKS, MILIOLIDS  
NUMMULITES SP., OCALA LIMESTONE.

880 - 970 LIMESTONE; WHITE  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, CALCILUTITE  
90% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: SHELL-50%, CALCILUTITE-30%, QUARTZ-  
05%  
PHOSPHATIC SAND-01%  
OTHER FEATURES: MEDIUM RECRYSTALLIZATION  
FOSSILS: MOLLUSKS, MILIOLIDS

970 - 1000 LIMESTONE; VERY LIGHT GRAY  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, CALCILUTITE  
90% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: VERY FINE; RANGE: MICROCRYSTALLINE TO FINE  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: SHELL-50%, SPAR-15%, QUARTZ-10%  
PHOSPHATIC SAND- %  
FOSSILS: MOLLUSKS, BARNACLES, ECHINOID, MILIOLIDS  
GASTROPODS, TURRITELLA SP. (?), MILIOLIDS 50%.

1000 - 1030 LIMESTONE; VERY LIGHT GRAY  
25% 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-50%, SPAR-15%  
OTHER FEATURES: MEDIUM RECRYSTALLIZATION  
FOSSILS: MOLLUSKS, BARNACLES, ECHINOID  
BENTHIC FORAMINIFERA, BRYOZOA  
MILIOLIDS 5%, GASTROPODS, HETEROSTEGINA SP. (?), OLIVA  
SP.

1030 - 1060 LIMESTONE; VERY LIGHT 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-50%, SPAR-15%  
OTHER FEATURES: MEDIUM RECRYSTALLIZATION  
FOSSILS: ECHINOID, MILIOLIDS, MOLLUSKS  
MILIOLIDS, 50%, GASTROPODS, TURRITELLA SP. (?).

1060 - 1090 LIMESTONE; VERY LIGHT ORANGE  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, CALCILUTITE  
90% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: SPAR-10%, QUARTZ-05%  
OTHER FEATURES: MEDIUM RECRYSTALLIZATION  
FOSSILS: MILIOLIDS, ECHINOID, MOLLUSKS, BRYOZOA  
GASTROPODS, 20% LIGHT-GRAY LIMESTONE, NUMMULITES SP.

1090 - 1120 LIMESTONE; VERY LIGHT ORANGE TO LIGHT GRAY  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, CALCILUTITE  
90% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: SPAR-15%, QUARTZ-05%  
OTHER FEATURES: MEDIUM RECRYSTALLIZATION  
FOSSILS: BENTHIC FORAMINIFERA, ECHINOID, MOLLUSKS,  
BRYOZOA  
LEPIDOCYCLINA SP. 10%, CRINOID STEMS 10%, NUMMULITES SP.  
MILIOLIDS 40%.

1120 - 1180 LIMESTONE; VERY LIGHT ORANGE TO PINKISH GRAY  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, CALCILUTITE  
90% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: SPAR-15%  
OTHER FEATURES: MEDIUM RECRYSTALLIZATION  
FOSSILS: BENTHIC FORAMINIFERA, ECHINOID, MILIOLIDS  
NUMMULITES SP. 25%, LEPIDOCYCLINA SP. 5%.

1180 - 1210 LIMESTONE; VERY LIGHT ORANGE  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, CALCILUTITE  
90% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
UNCONSOLIDATED  
ACCESSORY MINERALS: SPAR-15%, QUARTZ-05%  
FOSSILS: BENTHIC FORAMINIFERA, ECHINOID, MILIOLIDS  
BRYOZOA  
NUMMULITES SP. 20%, LEPIDOCYCLINA SP. 20%, MILIOLIDS 40%.

1210 - 1300 LIMESTONE; VERY LIGHT ORANGE  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, CALCILUTITE  
90% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: CALCILUTITE-40%, SPAR-15%  
OTHER FEATURES: LOW RECRYSTALLIZATION  
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, BRYOZOA  
NUMMULITES SP. 30%, LEPIDOCYCLINA SP. 10%, MILIOLIDS 20%.

1300 - 1360 LIMESTONE; VERY LIGHT ORANGE  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, CALCILUTITE  
80% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: CALCILUTITE-40%, SPAR-25%  
OTHER FEATURES: LOW RECRYSTALLIZATION  
FOSSILS: BENTHIC FORAMINIFERA, ECHINOID, MOLLUSKS  
NUMMULITES 30%, MILIOLIDS.

1360 - 1450 LIMESTONE; VERY LIGHT ORANGE  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, CALCILUTITE  
90% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: SPAR-30%, CALCILUTITE-10%  
OTHER FEATURES: LOW RECRYSTALLIZATION  
FOSSILS: BENTHIC FORAMINIFERA, ECHINOID, BRYOZOA  
MILIOLIDS 40%, GASTROPODS, DICTYOCONUS COOKEI 5%  
(1360-1420)

1450 - 1480 LIMESTONE; VERY LIGHT ORANGE  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, CALCILUTITE  
90% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: SPAR-30%  
FOSSILS: BENTHIC FORAMINIFERA  
LOST CIRCULATION MATERIAL, DICTYOCONUS COOKEI 3%,  
MILIOLIDS  
50%, LEPIDOCYCLINA SP.

1480 - 1570 NO SAMPLES

1570 - 1600 LIMESTONE; GRAYISH ORANGE

20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, CALCILUTITE  
90% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: SPAR-40%  
OTHER FEATURES: LOW RECRYSTALLIZATION  
FOSSILS: BENTHIC FORAMINIFERA  
25% MEDIUM LIGHT-GRAY LIMESTONE, VERY LIGHT-GRAY

LIMESTONE

MILIOLIDS.

1600 - 1630

LIMESTONE; VERY LIGHT ORANGE  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, CALCILUTITE  
90% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: SPAR-20%  
OTHER FEATURES: LOW RECRYSTALLIZATION  
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS  
DICTYOCONUS COOKEI 1%, MILIOLIDS 70%, LIGHT-GRAY

LIMESTONE

10%.

1630 - 1840

LIMESTONE; VERY LIGHT ORANGE  
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY  
GRAIN TYPE: BIOGENIC, CALCILUTITE  
80% ALLOCHEMICAL CONSTITUENTS  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
POOR INDURATION  
CEMENT TYPE(S): CALCILUTITE MATRIX  
ACCESSORY MINERALS: SPAR-40%, CALCILUTITE-40%  
OTHER FEATURES: LOW RECRYSTALLIZATION  
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS  
DICTYOCONUS COOKEI.

1840 TOTAL DEPTH