

Executive Summary  
ROMP Site 48  
Three Monitor Wells

Location - ROMP Site No. 48 is located on Hurrah Church Road which is 2.4 miles north of the intersection of SR 39 and SR 674 and on the east side of SR 39 in Hillsborough County. The site is approximately 950 feet east of SR 39 on Hurrah Church Road. ROMP 48 is located in Section 31, Township 31 South, Range 22 East and at latitude  $27^{\circ}44'27''$ , longitude  $82^{\circ}08'37''$ .

Site Easement - This site was obtained from Hillsborough County on March 6, 1974 for the sum of one dollar. The perpetual easement for this site is 80 feet by 80 feet and is recorded in O.R. Book 2851, Pages 547 through 549 at the Hillsborough County Courthouse. A temporary construction easement was not obtained for this site.

Geology - This site is located on the western edge of the Sunderland Terrace at an elevation of 102 feet above mean sea level (MSL). Geologic information was obtained from well cuttings from land surface to 925 feet below land surface datum (LSD). The general geology of this site is as follows:

0-40'	Sand and Clay
40'-?	Hawthorn Formation
?-300'	Tampa Limestone
300'-535'	Suwannee Limestone
535'-775'	Ocala Group
775'-925'	Avon Park Limestone

Hydrogeology - At least three separate artesian aquifers exist at this site. The first artesian aquifer is found in the Hawthorn Formation at a depth of + 45 feet below land surface datum (LSD). It is separated from the water table aquifer by approximately 10 feet of clay, sand, and phosphate which might be remnant Bone Valley deposits. This first aquifer is separated

from the second artesian aquifer by the sand, clay and limestone of the Hawthorn Formation which is approximately 110 feet in thickness. The second artesian aquifer exists at a depth of between  $\pm 170$  and  $\pm 541$  feet below LSD. The second artesian aquifer is separated from the third artesian aquifer by the Ocala Group which is considered to be a confining layer in this area. The Ocala Group is found at a depth of  $\pm 535$  feet to  $\pm 775$  feet below LSD. The third artesian aquifer is located in the Avon Park Limestone at a depth of  $\pm 780$  to the monitor well total depth of 815 feet below LSD.

No pumping tests were conducted on these wells so there is not any information available on either permeabilities or transmissivities for this site.

Well Construction - Three artesian monitor wells have been constructed at this site since 1976 by the District owned and operated Portadrill. They are as follows:

A. Well No. 1 - The Avon Park well was constructed by using 54 feet of 14 inch steel work casing around 300 feet of 8 inch PVC casing from LSD to 300 feet below LSD. From this point the 8 inch casing was reduced down to 6 inch PVC and 480 feet of 6 inch PVC casing was strung from 300 to 780 feet below LSD. Once the casing was cemented in place and allowed to set up, the hole was drilled out to 848 feet below LSD. During development of this well the sub and bit were lost in the hole so the recorded depth is listed as 815 feet below LSD. This well was constructed between February 28, and May 18, 1978 at a cost of \$29,568 or \$34.87 per foot.

B. Well No. 2 - The Tampa-Suwannee monitor well was constructed by using 43 feet of 14 inch steel work casing around 215 feet of 8 inch PVC casing. The casing was cemented in place and then drilled out to

a total depth of 541 feet below LSD. This well was constructed between January 14 and February 11, 1976 at a cost of \$8,200 or \$15.16 per foot.

C. Well No. 3 - The Hawthorn monitor well was constructed with 45.5 feet of 8 inch PVC casing which was cemented in place and drilled out to a total depth of 61 feet. This well was constructed between February 13 and 17, 1976 at a cost of \$900 or \$14.75 per foot.

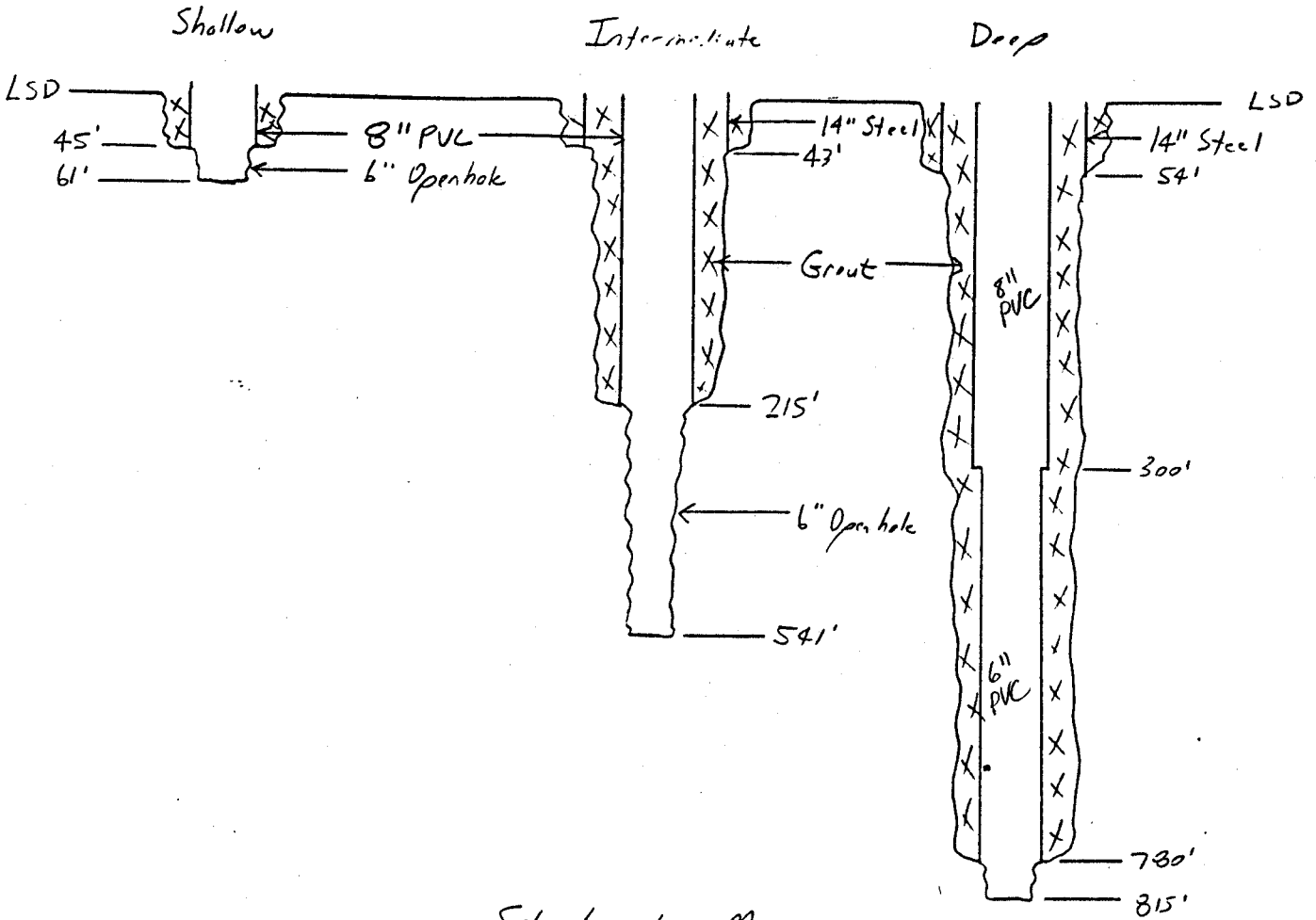
Geophysical Logs - Electric, caliper, gamma, and temperature logs were made on both the Tampa-Suwannee and Avon Park wells. In addition a fluid resistivity log was made on the Avon Park well.

Type of Monitor - All three wells are designed to monitor the potentiometric water levels at the aforementioned depths.

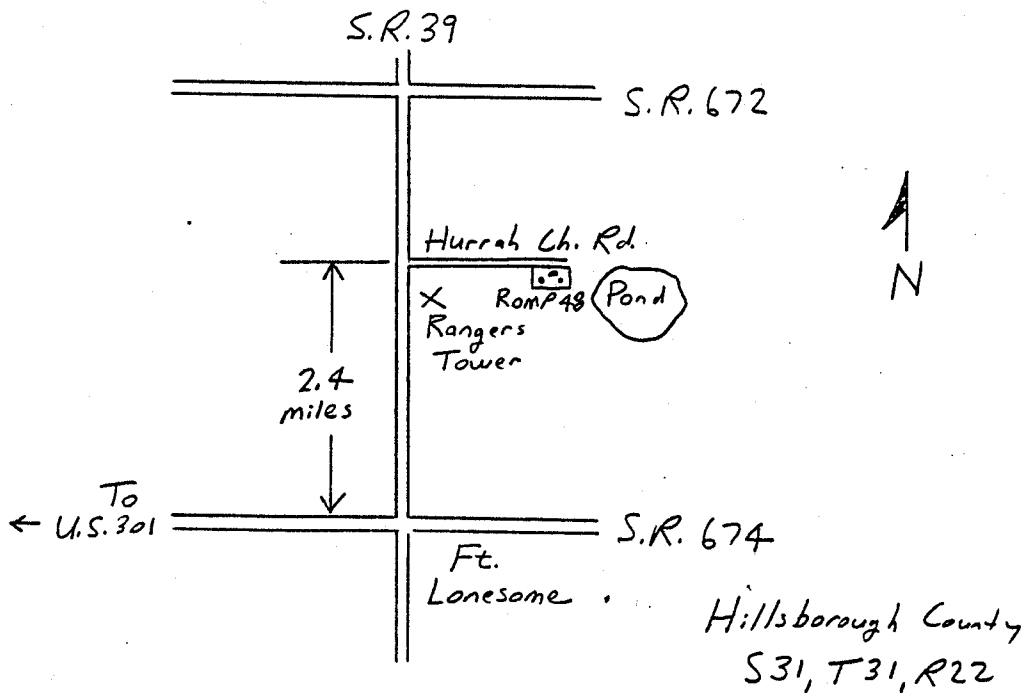
Water Quality - No water samples were obtained at this site but there are apparent changes in the water quality near the Tampa-Suwannee contact and at a depth of + 840 feet below LSD in the Avon Park Limestone. At both of these points the fluid resistivity decreases and there is a temperature rise. In the Avon Park the electric log also shows a change at the + 840 depth. These logs indicate apparent flow zones of ground water and increases in conductivity or dissolved solids. The degree of difference between these zones and whether or not any of them is unpotable water is not known since samples were not obtained.

U.S.G.S. Notification - SWFWMD Planning Section was notified during June, 1976 that the Hawthorn and Tampa-Suwannee wells were completed and they were notified on \_\_\_\_\_ that the Avon Park well was completed.

As Built  
Well Diagram



Site Location Map



#2(4/4)

LITHOLOGIC WELL LOG PRINTOUT

SOURCE - FGS

WELL NUMBER: W- 14386  
TOTAL DEPTH: 00925 FT.  
SAMPLES - NONE

COUNTY - HILLSBOROUGH  
LOCATION: T.31S R.22E S.31  
LAT = N 27D 44M 27  
LON = W 82D 08M 37

COMPLETION DATE - N/A  
OTHER TYPES OF LOGS AVAILABLE - NONE

ELEVATION - 102 FT

OWNER/DRILLER: SWFWMD. ROMP SITE NO. 48

WORKED BY: CODED AND ENTERED BY RICHARD GREEN 8/90 FROM A GEOLOGIST'S  
(G. STRASSER) DESCRIPTION OF CUTTINGS.

LOCATED ON HURRAH CHURCH ROAD WHICH IS  
2.4 MILES NORTH OF THE INTERSECTION OF S.R. 39 AND  
S.R. 674 AND ON THE EAST SIDE OF S.R. 39 IN HILLSBOROUGH COUNTY.  
THE SITE IS APPROXIMATELY 950 FEET EAST OF S.R. 39 ON  
HURRAH CHURCH ROAD.

THE TOP OF THE TAMPA LIMESTONE IS UNCERTAIN.

0. - 40. UNDIFFERENTIATED SAND AND CLAY  
40. - . HAWTHORN GROUP  
. - 300. TAMPA MEMBER OF ARCADIA FM.  
300. - 535. SUWANNEE LIMESTONE  
535. - 775. OCALA GROUP  
775. - 925. AVON PARK FM.

0 - 5 SAND; REDDISH ORANGE TO BROWN;  
ROUNDNESS:ROUNDED;  
ACCESSORY MINERALS: IRON STAIN-%;  
CLEAN.

5 - 10 AS ABOVE

10 - 15 AS ABOVE

15 - 20 AS ABOVE

20 - 25 AS ABOVE  
SOMEWHAT LESS IRON STAIN.

25 - 30 AS ABOVE  
VERY CLEAN. NO IRON STAIN.

- 30 - 35 SAND; ;  
ROUNDNESS:ROUNDED;  
MODERATELY SORTED, ROUNDED, CLEAN.
- 35 - 40 AS ABOVE
- 40 - 45 LIMESTONE; YELLOW TO TAN;  
MODERATE INDURATION;  
ACCESSORY MINERALS: PHOSPHATIC SAND-%;  
ARENACEOUS LIMESTONE- 50% LS; 50% SAND AS ABOVE.
- 45 - 50 LIMESTONE; YELLOW TO CREAM;  
GOOD INDURATION;  
ACCESSORY MINERALS: QUARTZ SAND- %, PHOSPHATIC SAND-%;  
PHOSPHATE GRAINS POORLY SORTED, SAND POORLY SORTED, CLEAN ROUNDED.
- 50 - 55 SAND; MODERATE GRAY;  
GRAIN SIZE: FINE;  
ROUNDNESS:ROUNDED;  
ACCESSORY MINERALS: PHOSPHATIC SAND- %, LIMESTONE-%;  
WELL ROUNDED, SORTED, EQUAL AMOUNTS OF LIMESTONE AND PHOSPHATE.
- 55 - 60 LIMESTONE; LIGHT GRAY TO MODERATE GRAY;  
GRAIN TYPE: CALCILUTITE;  
POOR INDURATION;  
ACCESSORY MINERALS: PHOSPHATIC SAND- %, QUARTZ SAND-%;  
THIS INTERVAL (55-60') IS ACTUALLY LISTED AFTER 50-55' AS BEING FROM 44-60'. IT IS  
DESCRIBED AS: ARENACEOUS LS-MICRITIC, CONTAINS POORLY SORTED PHOS.; SAND, CLEAN QTZ,  
MODERATELY SORTED, ROUNDED, APPROX. 50%.
- 60 - 65 SAND; MODERATE GRAY;  
ROUNDNESS:ROUNDED;  
ACCESSORY MINERALS: PHOSPHATIC SAND- %, LIMESTONE-%;  
GRAY MICRITE AROUND SAND GRAINS, ROUNDED,WELL SORTED, MINOR PHOSPHATE AND LIMESTONE.
- 65 - 70 SAND; MODERATE GRAY;  
ACCESSORY MINERALS: CLAY-%;  
SAND AND CLAY. GRAY CLAY, SAME AS 60-65'.
- 70 - 75 AS ABOVE
- 75 - 80 AS ABOVE
- 80 - 85 AS ABOVE  
GRAYISH TO LIGHT TAN CALCAREOUS LIMESTONE.

- 85 - 90 LIMESTONE; MODERATE GRAY TO CREAM;  
GRAIN TYPE: CALCILUTITE;  
POOR INDURATION;  
ACCESSORY MINERALS: PHOSPHATIC SAND- %, QUARTZ SAND-%;  
ARGILLACEOUS LIMESTONE-GRAYISH TO CREAM, POORLY LITHIFIED; LIMESTONE, MICRITIC, POORLY  
LITHIFIED, CREAM, PHOSPHATE AND SAND FRACTION.
- 90 - 95 CALCILUTITE; MODERATE GRAY TO CREAM;  
GRAIN TYPE: CALCILUTITE;  
ACCESSORY MINERALS: QUARTZ SAND- %, PHOSPHATIC SAND- %;  
OTHER FEATURES: CALCAREOUS;  
"CALCAREOUS LIME".
- 95 - 100 CALCILUTITE; LIGHT TAN TO CREAM;  
GRAIN TYPE: CALCILUTITE;  
POOR INDURATION;  
ACCESSORY MINERALS: PHOSPHATIC SAND-%;  
MINOR PHOSPHATE.
- 100 - 105 AS ABOVE
- 105 - 110 CALCILUTITE; LIGHT GRAY TO CREAM;  
GRAIN TYPE: CALCILUTITE;  
POOR INDURATION;  
ACCESSORY MINERALS: CHERT- %, PHOSPHATIC SAND- %, QUARTZ SAND-%;  
CALCAREOUS LIME, MINOR CHERT AND PHOSPHATE, SAND.
- 110 - 115 AS ABOVE
- 115 - 120 AS ABOVE
- 120 - 125 AS ABOVE
- 125 - 130 AS ABOVE  
SOMEWHAT MORE PASTY.
- 130 - 135 AS ABOVE
- 135 - 140 AS ABOVE
- 140 - 145 AS ABOVE
- 145 - 150 AS ABOVE
- 150 - 155 AS ABOVE  
LARGER FRACTION OF PHOSPHATE, ROUNDED, MOD. SORTING.

- 155 - 160 Limestone; LIGHT TAN TO CREAM;  
GRAIN TYPE: CALCILUTITE, CRYSTALS;  
POOR INDURATION;  
ACCESSORY MINERALS: CALCILUTITE- %, PHOSPHATIC SAND- %, QUARTZ SAND- %, SPAR-%;  
MINOR LIME MUD, VERY FINE PHOSPHATE, SOME SPAR AND QTZ SAND.
- 160 - 165 AS ABOVE
- 165 - 170 AS ABOVE
- 170 - 175 CALCILUTITE; CREAM;  
GRAIN TYPE: CALCILUTITE;  
ACCESSORY MINERALS: QUARTZ SAND- %, PHOSPHATIC SAND- %, LIMESTONE-%;
- 175 - 180 AS ABOVE
- 180 - 185 AS ABOVE  
LIMESTONE-WEAKLY LITHIFIED, VERY FINE PHOSPHATE AND SAND GRAINS, SPARRY.
- 185 - 190 AS ABOVE
- 190 - 195 AS ABOVE
- 195 - 200 AS ABOVE
- 200 - 205 AS ABOVE
- 205 - 210 AS ABOVE
- 210 - 215 Limestone; LIGHT TAN TO CREAM;  
GRAIN TYPE: CALCILUTITE;  
POOR INDURATION;  
ACCESSORY MINERALS: SPAR- %, PHOSPHATIC SAND- %, QUARTZ SAND-%;  
SPARRY, SOME PHOSPHATE AND SAND.
- 215 - 220 AS ABOVE
- 220 - 225 AS ABOVE
- 225 - 230 AS ABOVE
- 230 - 235 AS ABOVE
- 235 - 240 AS ABOVE



240 - 245 CALCILUTITE; TAN TO CREAM;  
GRAIN TYPE: CALCILUTITE;  
POOR INDURATION;  
ACCESSORY MINERALS: QUARTZ SAND- %, LIMESTONE-%;  
MINOR SAND AND LIMESTONE. SAND IS VERY FINE.

245 - 250 AS ABOVE

250 - 255 AS ABOVE

255 - 260 AS ABOVE

260 - 265 AS ABOVE

265 - 270 AS ABOVE

270 - 275 AS ABOVE

275 - 280 AS ABOVE

280 - 285 AS ABOVE

285 - 290 AS ABOVE

290 - 295 AS ABOVE

295 - 300 AS ABOVE

300 - 305 LIMESTONE; LIGHT TAN TO CREAM; FRACTURE;  
GRAIN TYPE: CALCILUTITE;  
POOR INDURATION;  
ACCESSORY MINERALS: SPAR- %, QUARTZ SAND-%;  
SAND VERY FINE, POOR-WEAKLY LITHIFIED, MINOR SPAR.

305 - 310 AS ABOVE

310 - 315 AS ABOVE

315 - 320 AS ABOVE

320 - 325 NO SAMPLES

325 - 330 AS ABOVE  
SAME AS 300-305'.

330 - 335 AS ABOVE

335 - 340 AS ABOVE

- 340 - 345 CALCILUTITE; CREAM;  
GRAIN TYPE: CALCILUTITE;  
POOR INDURATION;  
ACCESSORY MINERALS: QUARTZ SAND-%;  
MINOR SAND FRACTION.
- 345 - 350 CALCILUTITE; CREAM;  
GRAIN TYPE: CALCILUTITE;  
POOR INDURATION;  
OTHER FEATURES: FOSSILIFEROUS;
- 350 - 355 AS ABOVE
- 355 - 360 AS ABOVE
- 360 - 365 AS ABOVE  
MINOR SPARRY FRACTION.
- 365 - 370 AS ABOVE  
SAME AS 345-350'.
- 370 - 375 AS ABOVE
- 375 - 380 AS ABOVE
- 380 - 385 AS ABOVE
- 385 - 390 AS ABOVE
- 390 - 395 AS ABOVE
- 395 - 400 AS ABOVE
- 400 - 405 LIMESTONE; CREAM;  
GRAIN TYPE: CALCILUTITE, SKELETAL;  
POOR INDURATION;  
ACCESSORY MINERALS: QUARTZ SAND- %, PHOSPHATIC SAND- %, LIMESTONE- %, SPAR- %;  
OTHER FEATURES: FOSSILIFEROUS;  
FRIABLE, MINOR SAND AND PHOSPHATE, SAND IS VERY FINE AND ROUNDED, SORTED, SOME MINOR  
AMOUNTS OF GRAYISH LIMESTONE, SPARRY GRAINS.
- 405 - 410 AS ABOVE
- 410 - 415 AS ABOVE  
PELECYPODS, MANY BROKEN FOSSILS, ECHINOID FRAGMENTS.
- 415 - 420 AS ABOVE
- 420 - 425 AS ABOVE

425 - 430 AS ABOVE

430 - 435 AS ABOVE

435 - 440 AS ABOVE

440 - 445 LIMESTONE; CREAM;  
GRAIN TYPE: CALCILUTITE;  
POOR INDURATION;  
ACCESSORY MINERALS: QUARTZ SAND- %, PHOSPHATIC SAND- %;  
OTHER FEATURES: FOSSILIFEROUS;  
LIMESTONE AND CALCAREOUS LIME- MICRITE, CREAM, WEAK TO POORLY LITHIFIED, FRIABLE,  
FOSSILIFEROUS, MINOR SAND AND PHOSPHATE, SAME AS 400-405'.

445 - 450 AS ABOVE

450 - 455 AS ABOVE

455 - 460 AS ABOVE

460 - 465 AS ABOVE

465 - 470 AS ABOVE

470 - 475 AS ABOVE  
FOUND THREE DICTYOCONUS COOKEI.

475 - 480 AS ABOVE

480 - 485 AS ABOVE

485 - 490 AS ABOVE

490 - 495 AS ABOVE

495 - 500 AS ABOVE

500 - 505 AS ABOVE  
ALTERNATING LENSES OF LITHIFIED LIMESTONE THROUGHOUT FORMATION.

505 - 510 AS ABOVE

510 - 515 AS ABOVE

515 - 520 AS ABOVE

520 - 525 AS ABOVE

525 - 530 AS ABOVE

- 530 - 535 AS ABOVE
- 535 - 540 LIMESTONE; CREAM;  
GRAIN TYPE: CALCILUTITE;  
POOR INDURATION;  
ACCESSORY MINERALS: QUARTZ SAND- %, SPAR- %;  
OTHER FEATURES: FOSSILIFEROUS;  
FOSSILS: BENTHIC FORAMINIFERA;  
LIMESTONE AND CALCAREOUS LIME- MICRITE, CREAM, WEAKLY LITHIFIED, FOSSILIFEROUS, (LEPS. AND  
DICTYOCONUS), LENSES OF WEAKLY LITHIFIED LIMESTONE, FRIABLE, FRACTURED, SPARRY, SOME MINOR  
SAND.
- 540 - 545 AS ABOVE
- 545 - 550 AS ABOVE  
SOME CHERT?, MINOR SAND AND PHOSPHATE.
- 550 - 555 NO SAMPLES
- 555 - 560 AS ABOVE  
SAME AS 545-550'.
- 560 - 565 AS ABOVE
- 565 - 570 AS ABOVE
- 570 - 575 AS ABOVE  
FOSSILIFEROUS, LIMESTONE, LEPIDOCYCLINA, ECHINOIDS.
- 575 - 580 AS ABOVE
- 580 - 585 AS ABOVE
- 585 - 590 AS ABOVE
- 590 - 595 AS ABOVE
- 595 - 600 AS ABOVE
- 600 - 605 AS ABOVE
- 605 - 610 AS ABOVE
- 610 - 615 LIMESTONE; CREAM;  
GRAIN TYPE: CALCILUTITE;  
POOR INDURATION;  
ACCESSORY MINERALS: QUARTZ SAND- %, SPAR- %;  
OTHER FEATURES: FOSSILIFEROUS;  
CRUMBLY, SOME SPARRY, GRAINY, MINOR FRACTION OF SAND.

615 - 620 AS ABOVE

620 - 625 AS ABOVE

625 - 630 AS ABOVE

630 - 635 AS ABOVE

635 - 640 AS ABOVE

640 - 645 AS ABOVE

645 - 650 AS ABOVE

650 - 655 AS ABOVE  
MICRITE, FOSSILIFEROUS, LEPIDOCYCLINA.

655 - 660 AS ABOVE

660 - 665 AS ABOVE

665 - 670 AS ABOVE

670 - 675 AS ABOVE  
MINOR AMOUNTS OF HARD BROWN LIMESTONE.

675 - 680 AS ABOVE  
SAME AS 650-655'. CALCAREOUS LIME MUD, MICRITE, BECOMING SOMEWHAT MORE PASTY.

680 - 685 AS ABOVE

685 - 690 AS ABOVE  
ABUNDANT NUMMULITES THROUGHOUT.

690 - 695 AS ABOVE

695 - 700 AS ABOVE

700 - 705 AS ABOVE  
LENSES SOMEWHAT LITHIFIED.

705 - 710 AS ABOVE  
CUTTINGS MUCH FINER AND FOSSILS MUCH SMALLER.

710 - 715 AS ABOVE  
SAME AS 700-705'. MINOR GRAYISH-WHITE MICRITE.

715 - 720 AS ABOVE

- 720 - 725 AS ABOVE  
UNIDENTIFIED SMALL BLACK FOSSILS OR SEEDS.
- 725 - 730 AS ABOVE  
SAME AS 720-725.
- 730 - 735 AS ABOVE
- 735 - 740 AS ABOVE
- 740 - 745 AS ABOVE  
CUTTINGS MUCH LARGER.
- 745 - 750 SAME AS 685-690'. MINOR AMOUNTS OF WELL LITHIFIED LIMESTONE, SOME CHERT  
FRAGMENTS.
- 750 - 755 AS ABOVE  
(SAME AS 745-750')
- 755 - 760 AS ABOVE  
MINOR AMOUNTS OF GRAY AND YELLOWISH LIMESTONES.
- 760 - 765 AS ABOVE  
SAME AS 745-750'.
- 765 - 770 AS ABOVE
- 770 - 775 AS ABOVE
- 775 - 780 LIMESTONE; CREAM;  
GRAIN TYPE: CALCILUTITE;  
POOR INDURATION;  
ACCESSORY MINERALS: DOLOMITE- %, SPAR- %, CHERT- %;  
OTHER FEATURES: FOSSILIFEROUS;  
FOSSILS: BENTHIC FORAMINIFERA;  
FRIABLE, SOME DOLOSTONE, SPARRY, DICTYOCONUS, SOMEWHAT FRACTURED, MINOR CHERT.
- 780 - 785 AS ABOVE
- 785 - 790 LIMESTONE; CREAM;  
GRAIN TYPE: CALCILUTITE;  
ACCESSORY MINERALS: ORGANICS- %, QUARTZ SAND- %;  
OTHER FEATURES: FOSSILIFEROUS;  
ARENACEOUS, MINOR ORGANICS, GRITTY.

- 790 - 795 Limestone; CREAM TO LIGHT BROWN;  
GRAIN TYPE: CALCILUTITE;  
POOR INDURATION;  
ACCESSORY MINERALS: QUARTZ SAND- %;  
OTHER FEATURES: FOSSILIFEROUS;  
FRIABLE, FRACTURED, MINOR SAND, GRAINY, GRITTY.
- 795 - 800 AS ABOVE
- 800 - 805 Limestone; CREAM TO WHITE;  
GRAIN TYPE: CALCILUTITE;  
POOR INDURATION;  
ACCESSORY MINERALS: SPAR- %, LIMESTONE- %;  
OTHER FEATURES: FOSSILIFEROUS;  
FRIABLE, FRACTURED, MINOR GRAYISH LIMESTONE, SPARRY. LOST CIRCULATION AT 805'. DRILLING ON  
REVERSE AIR.
- 805 - 810 AS ABOVE
- 810 - 815 AS ABOVE  
MINOR DARK BROWN CHERT AND BROWN LIMESTONE.
- 815 - 820 AS ABOVE  
SAME AS 810-815'.
- 820 - 825 AS ABOVE  
SOMEWHAT MORE LITHIFIED, HIGH POROSITY, INCREASE IN WEAKLY LITHIFIED MICRITE FRACTION.
- 825 - 830 AS ABOVE  
SAME AS 820-825'.
- 830 - 835 AS ABOVE
- 835 - 840 AS ABOVE
- 840 - 845 AS ABOVE
- 845 - 850 SAME AS 820-825'. CUTTINGS APPEAR TO BE RECIRCULATED. CUTTINGS VERY FINE.
- 850 - 855 AS ABOVE  
INCREASE IN SAND FRACTION, SORTED, ROUNDED, CLEAN QTZ WITH SLIGHT GRAYISH TINT.
- 855 - 860 SAME AS 820-25'. LS BECOMING SLIGHTLY MORE TANNISH WITH INCREASE IN BROWN  
LIMESTONE.
- 860 - 865 AS ABOVE
- 865 - 870 AS ABOVE

- 870 - 875 AS ABOVE
- 875 - 880 AS ABOVE
- 880 - 885 AS ABOVE  
BROWN LS LENSES AT ABOUT 879' APPROX. 1"-0.5" THICK.
- 885 - 890 LIMESTONE; WHITE TO CREAM; FRACTURE, POSSIBLY HIGH PERMEABILITY;  
GRAIN TYPE: CALCILUTITE, CRYSTALS, SKELETAL;  
POOR INDURATION;  
ACCESSORY MINERALS: DOLOMITE-%;  
LS AND DOLOSTONE- WHITE TO CREAM, POORLY LITHIFIED, FRIABLE, FRACTURED, HIGH POROSITY,  
SPARRY, FOSSILIFEROUS; DOLOMITE, HARD, BROWN, SUCROSIC TEXTURE, LENSES OF DOLOMITE VARIED  
IN THICKNESS, LENSES ALTERNATING WITH LIMESTONE LENSES.
- 890 - 895 AS ABOVE
- 895 - 900 AS ABOVE
- 900 - 905 LIMESTONE; CREAM TO WHITE; FRACTURE;  
GRAIN TYPE: CRYSTALS, CALCILUTITE, SKELETAL;  
POOR INDURATION;  
ACCESSORY MINERALS: DOLOMITE- %;  
OTHER FEATURES: FOSSILIFEROUS;  
FRIABLE, FRACTURED, MINOR DOLOMITE, SPARRY.
- 905 - 910 SAME AS 885-890'.
- 910 - 915 AS ABOVE  
DOLOMITE, DARK BROWN TO LIGHT GRAY.
- 915 - 920 AS ABOVE
- 920 - 925 AS ABOVE
- 925 TOTAL DEPTH