



SHEET 1 OF 2

|                                    |               |                    |                                      |                                          |               |                                                             |                                             |                                    |             |                                                                                                                                                                                                                                           |                   |  |
|------------------------------------|---------------|--------------------|--------------------------------------|------------------------------------------|---------------|-------------------------------------------------------------|---------------------------------------------|------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--|
| BECHTEL PROJECT NO.: 25409         |               |                    |                                      | MACTEC PROJECT NO.: 6468-07-1950         |               |                                                             |                                             | COUNTY: Miami-Dade                 |             | GEOLOGIST: H. Lyatuu/G. Pillappa                                                                                                                                                                                                          |                   |  |
| SITE DESCRIPTION: Turkey Point COL |               |                    |                                      | DRILL MACHINE: CME-550 (CLT)             |               |                                                             |                                             | DRILLER: Warren/Banks/Sloan/Rosser |             |                                                                                                                                                                                                                                           | GROUND WATER (ft) |  |
| BORING NO.: B-611                  |               |                    |                                      | DRILL METHOD: Mud Rotary/ Core           |               |                                                             |                                             | SAMPLE METHODS: SPT/Core           |             |                                                                                                                                                                                                                                           | 0 HR. NA          |  |
| GROUND ELEV.: -1.5 ft (NAVD88)     |               |                    |                                      | NORTHING: 397,087 US ft (NAD83/90)       |               |                                                             |                                             | EASTING: 876,735 US ft (NAD83/90)  |             | 24 HR. NA                                                                                                                                                                                                                                 |                   |  |
| TOTAL DEPTH: 151.5 ft              |               |                    |                                      | CASING DEPTH: 4" to 25.0', 3" to 120.1'  |               |                                                             |                                             |                                    |             | HAMMER (ID): 140 lb. Auto (MEC-04)                                                                                                                                                                                                        |                   |  |
| DATE STARTED: 2/26/08              |               | COMPLETED: 3/24/08 |                                      | CORE SIZE: HQ3                           |               | CORE BARREL TYPE: Triple Tube Wireline (Split inner liners) |                                             |                                    |             |                                                                                                                                                                                                                                           |                   |  |
|                                    |               |                    |                                      |                                          |               |                                                             |                                             |                                    |             |                                                                                                                                                                                                                                           |                   |  |
| ELEV.<br>(ft)                      | DEPTH<br>(ft) | RUN<br>(ft)        | DRILL<br>RATE<br>(Min/ft)            | RUN<br>REC.<br>(ft)<br>%RQD<br>(ft)<br>% |               | SAMP.<br>NO.                                                | STRATA<br>REC.<br>(ft)<br>%RQD<br>(ft)<br>% |                                    | L<br>O<br>G | DESCRIPTION AND REMARKS                                                                                                                                                                                                                   |                   |  |
|                                    |               |                    |                                      |                                          |               |                                                             |                                             |                                    |             | Begin Coring @ 25.9 ft                                                                                                                                                                                                                    |                   |  |
| -27.4                              | 25.9          | 5.0                | 1.37<br>2.11<br>1.48<br>2.10<br>4.14 | (4.7)<br>94%                             | (4.0)<br>80%  | RUN-1<br><br>611-CS-01                                      | (20.6)<br>94%                               | (18.5)<br>84%                      |             | LIMESTONE, boundstone, white (7.5YR8/1), hard, wet, strong HCl reaction, trace shells (Upper Fort Thompson Formation) (continued)<br>25.9ft: white (10YR8/1), hard, indurated, fossiliferous, coralline, strong HCl reaction, little vugs |                   |  |
| -32.4                              | 30.9          | 5.0                | 1.31<br>1.11<br>1.10<br>1.40<br>1.25 | (5.0)<br>100%                            | (5.0)<br>100% | RUN-2                                                       |                                             |                                    |             |                                                                                                                                                                                                                                           |                   |  |
| -37.4                              | 35.9          | 3.7                | 1.34<br>1.11<br>1.34                 | (3.7)<br>100%                            | (3.7)<br>100% | RUN-3<br>611-CS-02                                          |                                             |                                    |             | 35.9ft: few vugs                                                                                                                                                                                                                          |                   |  |
| -41.1                              | 39.6          | 1.3                | 2.14/0.7                             | (1.3)<br>100%                            | (0.7)<br>54%  | RUN-4                                                       |                                             |                                    |             | 40.9 to 41.5ft: Drilled out/washed out due to rig change and tool change                                                                                                                                                                  |                   |  |
| -42.4                              | 40.9          | 3.6                | 0.32<br>0.49<br>0.39<br>0.21/0.6     | (3.3)<br>92%                             | (3.0)<br>83%  | RUN-5<br>611-CS-03                                          |                                             |                                    |             | 45.1ft: gray (5Y6/1) to 47.9ft                                                                                                                                                                                                            |                   |  |
| -46.6                              | 45.1          | 5.0                | 0.49<br>0.41<br>0.40<br>0.30<br>0.41 | (4.8)<br>96%                             | (4.3)<br>86%  | RUN-6                                                       | (37.5)<br>74%                               | (21.1)<br>42%                      | -49.4       | LIMESTONE, boundstone, white (10YR8/1), to white (5YR8/1), hard, indurated, strong HCl reaction, trace shells, few vugs (Lower Fort Thompson Formation)<br>50.1ft: white (5YR8/1)                                                         |                   |  |
| -51.6                              | 50.1          | 5.0                | 0.52<br>0.46<br>0.28<br>0.27<br>0.18 | (4.9)<br>98%                             | (3.0)<br>60%  | RUN-7                                                       |                                             |                                    |             |                                                                                                                                                                                                                                           |                   |  |
| -56.6                              | 55.1          | 5.0                | 0.26<br>0.17<br>0.24<br>0.23<br>0.30 | (4.6)<br>92%                             | (4.0)<br>80%  | RUN-8                                                       |                                             |                                    |             |                                                                                                                                                                                                                                           |                   |  |
| -61.6                              | 60.1          | 5.0                | 0.37<br>0.28<br>0.26<br>0.32<br>0.34 | (2.1)<br>42%                             | (0.6)<br>12%  | RUN-9                                                       |                                             |                                    |             |                                                                                                                                                                                                                                           |                   |  |
| -66.6                              | 65.1          | 5.0                | 0.33<br>0.40<br>0.28<br>0.36<br>0.27 | (4.6)<br>92%                             | (2.2)<br>44%  | RUN-10<br>611-CS-05                                         |                                             |                                    |             | 70.1ft: trace fine sand                                                                                                                                                                                                                   |                   |  |
| -71.6                              | 70.1          | 5.0                | 0.16<br>0.27<br>0.30<br>0.19<br>0.41 | (2.6)<br>52%                             | (1.4)<br>28%  | RUN-11                                                      |                                             |                                    |             |                                                                                                                                                                                                                                           |                   |  |
| -76.6                              | 75.1          | 5.0                | 0.18<br>0.28<br>0.22<br>0.28<br>0.50 | (1.2)<br>24%                             | (0.0)<br>0%   | RUN-12                                                      |                                             |                                    |             |                                                                                                                                                                                                                                           |                   |  |
| -81.6                              | 80.1          | 5.0                | 0.42<br>0.19<br>0.33<br>0.18<br>0.21 | (2.0)<br>40%                             | (0.5)<br>10%  | RUN-13                                                      |                                             |                                    |             |                                                                                                                                                                                                                                           |                   |  |
| -86.6                              | 85.1          | 5.0                | 0.28<br>0.30<br>0.28<br>0.48<br>0.37 | (4.4)<br>88%                             | (2.0)<br>40%  | RUN-14                                                      |                                             |                                    |             |                                                                                                                                                                                                                                           |                   |  |
| -91.6                              | 90.1          | 5.0                | 0.14<br>0.23<br>0.23<br>0.18<br>0.21 | (4.9)<br>98%                             | (3.8)<br>76%  | RUN-15<br>611-CS-06                                         |                                             |                                    |             |                                                                                                                                                                                                                                           |                   |  |
| -96.6                              | 95.1          | 5.0                | 0.13<br>0.12<br>0.15<br>0.16<br>0.15 | (3.6)<br>72%                             | (1.4)<br>28%  | RUN-16                                                      |                                             |                                    |             |                                                                                                                                                                                                                                           |                   |  |
| -101.6                             | 100.1         |                    |                                      |                                          |               |                                                             | (1.8)<br>30%                                | (NA)                               | -100.2      | Silty SAND (SM), white (5Y8/1), wet, some shell fragments, strong HCl reaction, grades to limestone                                                                                                                                       |                   |  |

TURKEY POINT COL CORE, TURKEY POINT GPJ, TURKEY POINT COL, GDT, 5/30/08



SHEET 2 OF 2

|                                    |                                         |                                    |                                                             |
|------------------------------------|-----------------------------------------|------------------------------------|-------------------------------------------------------------|
| BECHTEL PROJECT NO.: 25409         | MACTEC PROJECT NO.: 6468-07-1950        | COUNTY: Miami-Dade                 | GEOLOGIST: H. Lyatuu/G. Pillappa                            |
| SITE DESCRIPTION: Turkey Point COL | DRILL MACHINE: CME-550 (CLT)            | DRILLER: Warren/Banks/Sloan/Rosser | GROUND WATER (ft)                                           |
| BORING NO.: B-611                  | DRILL METHOD: Mud Rotary/ Core          | SAMPLE METHODS: SPT/Core           | 0 HR. NA                                                    |
| GROUND ELEV.: -1.5 ft (NAVD88)     | NORTHING: 397,087 US ft (NAD83/90)      | EASTING: 876,735 US ft (NAD83/90)  | 24 HR. NA                                                   |
| TOTAL DEPTH: 151.5 ft              | CASING DEPTH: 4" to 25.0', 3" to 120.1' | HAMMER (ID): 140 lb. Auto (MEC-04) |                                                             |
| DATE STARTED: 2/26/08              | COMPLETED: 3/24/08                      | CORE SIZE: HQ3                     | CORE BARREL TYPE: Triple Tube Wireline (Split inner liners) |

| ELEV.<br>(ft) | DEPTH<br>(ft) | RUN<br>(ft) | DRILL<br>RATE<br>(Min/ft)            | REC<br>(ft)<br>% | RQD<br>(ft)<br>% | SAMP.<br>NO.            | REC<br>(ft)<br>% | RQD<br>(ft)<br>% | L<br>O<br>G | DESCRIPTION AND REMARKS                                                                                                                                                  |
|---------------|---------------|-------------|--------------------------------------|------------------|------------------|-------------------------|------------------|------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |               |             |                                      |                  |                  |                         |                  |                  |             | Continued from previous page                                                                                                                                             |
| -106.6        | 105.1         | 5.0         | 0:40<br>0:32<br>0:39<br>0:37<br>0:40 | (2.2)<br>44%     | (0.0)<br>0%      | RUN-17                  |                  |                  |             | Silty SAND (SM), white (5Y8/1), wet, some shell fragments, strong HCl reaction, grades to limestone <i>(continued)</i>                                                   |
| -111.6        | 110.1         | 5.0         | 0:24<br>0:25<br>0:26<br>0:21<br>0:27 | (4.8)<br>96%     | (4.3)<br>86%     | RUN-18<br><br>611-CS-07 | (7.6)<br>92%     | (4.8)<br>58%     |             | LIMESTONE, boundstone, white (5Y8/1), hard, indurated, sandy, fossiliferous, strong HCl reaction, few vugs, little shell molds and casts                                 |
| -116.6        | 115.1         | 5.0         | 0:18<br>0:20<br>0:23<br>0:16<br>0:17 | (2.4)<br>48%     | (0.5)<br>10%     | RUN-19                  | (0.0)<br>0%      | (NA)             |             | Silty SAND with gravel (SM), light brownish gray (10YR6/2), medium dense, wet, fine to coarse grained sand, fine to coarse gravel, weak HCl reaction (Tamiami Formation) |
| -121.6        | 120.1         | 5.0         | 0:12<br>0:14<br>0:10<br>0:14<br>0:17 | (0.0)<br>0%      | (0.0)<br>0%      | RUN-20                  |                  |                  |             | Coring Terminated at Elevation -121.6                                                                                                                                    |

TURKEY POINT COL CORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 5:30:08

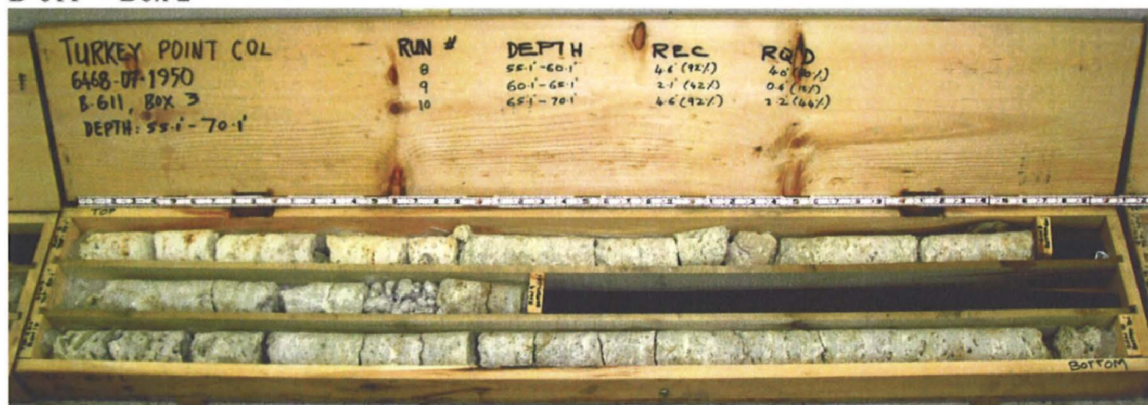




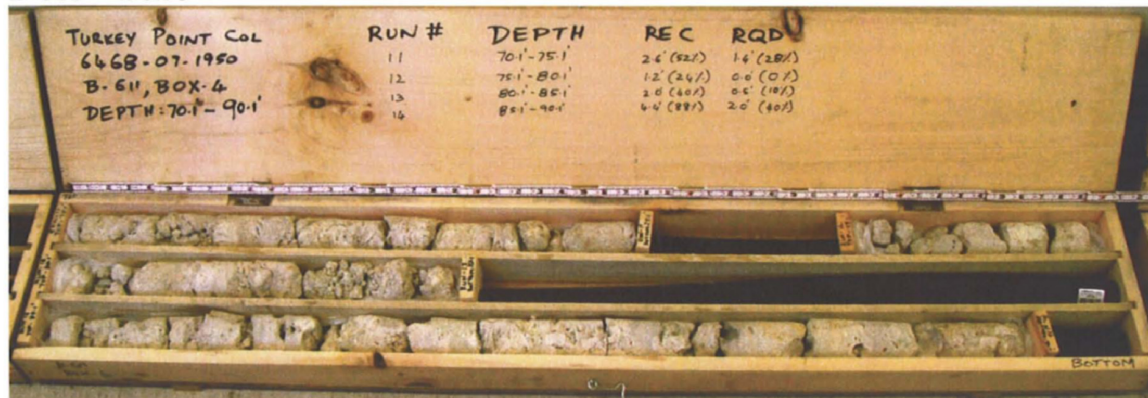
B-611 - Box 1



B-611 - Box 2



B-611 - Box 3

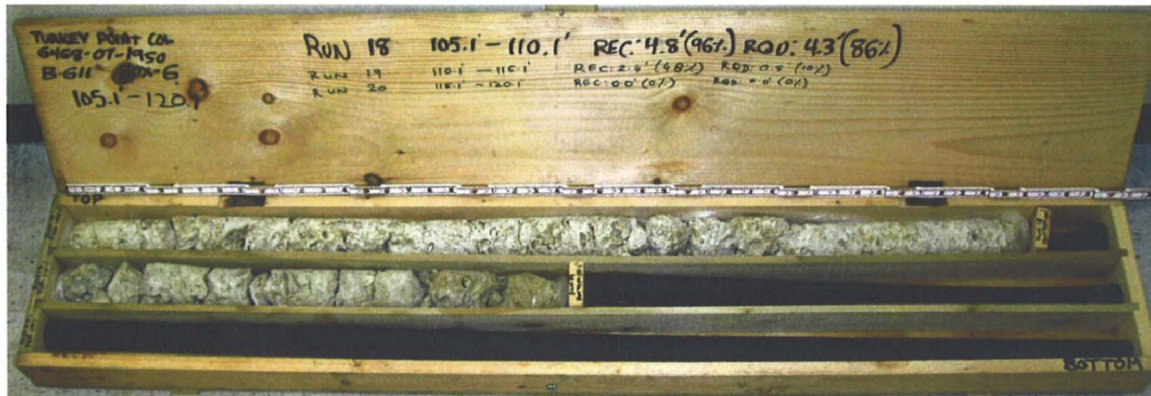


B-611 - Box 4





B-611 - Box 5



B-611 - Box 6

|                                    |               |            |       |                                            |                |    |    |                                         |    |     |              |                                    |          |                           |    |  |      |      |     |
|------------------------------------|---------------|------------|-------|--------------------------------------------|----------------|----|----|-----------------------------------------|----|-----|--------------|------------------------------------|----------|---------------------------|----|--|------|------|-----|
| BECHTEL PROJECT NO.: 25409         |               |            |       | MACTEC PROJECT NO.: 6468-07-1950           |                |    |    | COUNTY: Miami-Dade                      |    |     |              | GEOLOGIST: L. Bisson               |          |                           |    |  |      |      |     |
| SITE DESCRIPTION: Turkey Point COL |               |            |       | DRILL MACHINE: CME-550 (ATL)               |                |    |    | DRILLER: L. Carter/ J. Landeros         |    |     |              | GROUND WATER (ft)                  |          |                           |    |  |      |      |     |
| BORING NO.: B-612                  |               |            |       | DRILL METHOD: Mud Rotary/ Core             |                |    |    | SAMPLE METHODS: SPT/Core                |    |     |              | 0 HR. NA                           |          |                           |    |  |      |      |     |
| GROUND ELEV.: -1.5 ft (NAVD88)     |               |            |       | NORTHING: 397,086 US ft (NAD83/90)         |                |    |    | EASTING: 876,869 US ft (NAD83/90)       |    |     |              | 24 HR. NA                          |          |                           |    |  |      |      |     |
| TOTAL DEPTH: 125.1 ft              |               |            |       | BORING DIAMETER: 4" to 16.0', 3" to 125.1' |                |    |    | CASING DEPTH: 4" to 16.0', 3" to 118.6' |    |     |              | HAMMER (ID): 140 lb. Auto (MEC-03) |          |                           |    |  |      |      |     |
| DATE STARTED: 3/25/08              |               |            |       | COMPLETED: 3/26/08                         |                |    |    | CORE SIZE: HQ3                          |    |     |              | BITS USED: 4" & 3" Roller Cones    |          |                           |    |  |      |      |     |
| ELEV.<br>(ft)                      | DEPTH<br>(ft) | BLOW COUNT |       |                                            | BLOWS PER FOOT |    |    |                                         |    |     | SAMP.<br>NO. | MOI                                | LOG      | SOIL AND ROCK DESCRIPTION |    |  |      |      |     |
|                                    |               | 0.5ft      | 0.5ft | 0.5ft                                      | 0              | 20 | 40 | 60                                      | 80 | 100 |              |                                    |          |                           |    |  |      |      |     |
| -1.5                               |               |            |       |                                            | Ground Surface |    |    |                                         |    |     |              |                                    |          |                           |    |  |      | -1.5 | 0.0 |
| -1.5                               | 0.0           | WOR        | WOR   | WOR                                        | 0              |    |    |                                         |    |     |              |                                    | 612-1    |                           |    |  | -1.5 |      |     |
| -4.0                               | 2.5           |            |       |                                            | 0              |    |    |                                         |    |     |              |                                    | 612-2A&B |                           |    |  | -4.5 | 3.0  |     |
|                                    |               | 4          | 5     | 8                                          |                |    |    |                                         |    |     |              |                                    |          |                           |    |  |      |      |     |
| -6.5                               | 5.0           |            |       |                                            |                | 13 |    |                                         |    |     |              |                                    |          | 612-3                     |    |  |      |      |     |
|                                    |               | 7          | 11    | 10                                         |                |    |    |                                         |    |     |              |                                    |          |                           |    |  |      |      |     |
| -9.0                               | 7.5           |            |       |                                            |                |    |    |                                         |    |     |              |                                    |          |                           |    |  |      |      |     |
|                                    |               | 5          | 6     | 7                                          |                |    |    |                                         |    |     |              |                                    |          | 612-4                     |    |  |      |      |     |
| -11.5                              | 10.0          |            |       |                                            |                |    |    |                                         |    |     |              |                                    |          |                           |    |  |      |      |     |
|                                    |               | 4          | 4     | 6                                          |                |    |    |                                         |    |     |              |                                    |          | 612-5                     |    |  |      |      |     |
| -14.0                              | 12.5          |            |       |                                            |                |    |    |                                         |    |     |              |                                    |          |                           |    |  |      |      |     |
|                                    |               | 4          | 8     | 8                                          |                |    |    |                                         |    |     |              |                                    |          | 612-6                     |    |  |      |      |     |
| -16.5                              | 15.0          |            |       |                                            |                |    |    |                                         |    |     |              |                                    |          |                           |    |  |      |      |     |
|                                    |               | 12         | 15    | 50/0.4                                     |                |    |    |                                         |    |     |              |                                    |          | 612-7                     |    |  |      |      |     |
| -17.9                              | 16.4          |            |       |                                            |                |    |    |                                         |    |     |              |                                    |          | RUN-1                     |    |  |      |      |     |
|                                    |               |            |       |                                            |                |    |    |                                         |    |     |              |                                    |          | RUN-2                     |    |  |      |      |     |
|                                    |               |            |       |                                            |                |    |    |                                         |    |     |              |                                    |          |                           |    |  |      |      |     |
|                                    |               |            |       |                                            |                |    |    |                                         |    |     |              |                                    |          |                           |    |  |      |      |     |
|                                    |               |            |       |                                            |                |    |    |                                         |    |     |              |                                    |          |                           |    |  |      |      |     |
|                                    |               |            |       |                                            |                |    |    |                                         |    |     |              |                                    |          |                           |    |  |      |      |     |
|                                    |               |            |       |                                            |                |    |    |                                         |    |     |              |                                    |          |                           |    |  |      |      |     |
|                                    |               |            |       |                                            |                |    |    |                                         |    |     |              |                                    |          |                           |    |  |      |      |     |
|                                    |               |            |       |                                            |                |    |    |                                         |    |     |              |                                    |          |                           |    |  |      |      |     |
|                                    |               |            |       |                                            |                |    |    |                                         |    |     |              |                                    |          |                           |    |  |      |      |     |
|                                    |               |            |       |                                            |                |    |    |                                         |    |     |              |                                    |          |                           |    |  |      |      |     |
|                                    |               |            |       |                                            |                |    |    |                                         |    |     |              |                                    |          |                           | </ |  |      |      |     |

TURKEY POINT COL BORE TURKEY POINT GPI TURKEY POINT COL GDI 8/14/08



SHEET 2 OF 2

| BECHTEL PROJECT NO.: 25409         |               |            | MACTEC PROJECT NO.: 6468-07-1950           |       |                              | COUNTY: Miami-Dade                      |    |    | GEOLOGIST: L. Bisson               |              |     |                           |                                                                                                                                                                  |
|------------------------------------|---------------|------------|--------------------------------------------|-------|------------------------------|-----------------------------------------|----|----|------------------------------------|--------------|-----|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SITE DESCRIPTION: Turkey Point COL |               |            | DRILL MACHINE: CME-550 (ATL)               |       |                              | DRILLER: L. Carter/ J. Landeros         |    |    | GROUND WATER (ft)                  |              |     |                           |                                                                                                                                                                  |
| BORING NO.: B-612                  |               |            | DRILL METHOD: Mud Rotary/ Core             |       |                              | SAMPLE METHODS: SPT/Core                |    |    | 0 HR. NA                           |              |     |                           |                                                                                                                                                                  |
| GROUND ELEV.: -1.5 ft (NAVD88)     |               |            | NORTHING: 397,086 US ft (NAD83/90)         |       |                              | EASTING: 876,869 US ft (NAD83/90)       |    |    | 24 HR. NA                          |              |     |                           |                                                                                                                                                                  |
| TOTAL DEPTH: 125.1 ft              |               |            | BORING DIAMETER: 4" to 16.0', 3" to 125.1' |       |                              | CASING DEPTH: 4" to 16.0', 3" to 118.6' |    |    | HAMMER (ID): 140 lb. Auto (MEC-03) |              |     |                           |                                                                                                                                                                  |
| DATE STARTED: 3/25/08              |               |            | COMPLETED: 3/26/08                         |       |                              | CORE SIZE: HQ3                          |    |    | BITS USED: 4" & 3" Roller Cones    |              |     |                           |                                                                                                                                                                  |
| ELEV.<br>(ft)                      | DEPTH<br>(ft) | BLOW COUNT |                                            |       | BLOWS PER FOOT               |                                         |    |    |                                    | SAMP.<br>NO. | LOG | SOIL AND ROCK DESCRIPTION |                                                                                                                                                                  |
|                                    |               | 0.5ft      | 0.5ft                                      | 0.5ft | 0                            | 20                                      | 40 | 60 | 80                                 | 100          | MOI |                           |                                                                                                                                                                  |
| -76.3                              |               |            |                                            |       | Continued from previous page |                                         |    |    |                                    |              |     |                           |                                                                                                                                                                  |
| -79.6                              | 78.1          |            |                                            |       |                              |                                         |    |    |                                    |              |     |                           | LIMESTONE, boundstone, white (10YR8/1), to light gray (10YR7/1), hard, indurated, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued) |
| -83.6                              | 82.1          |            |                                            |       |                              |                                         |    |    |                                    |              |     |                           | 82.1ft: moderately hard, some vugs<br>83.1ft: hard, few vugs                                                                                                     |
| -84.6                              | 83.1          |            |                                            |       |                              |                                         |    |    |                                    |              |     |                           |                                                                                                                                                                  |
| -89.6                              | 88.1          |            |                                            |       |                              |                                         |    |    |                                    |              |     |                           | 88.1ft: moderately hard                                                                                                                                          |
| -94.6                              | 93.1          |            |                                            |       |                              |                                         |    |    |                                    |              |     |                           | 93.1ft: hard, interbedded sand lenses                                                                                                                            |
| -99.6                              | 98.1          |            |                                            |       |                              |                                         |    |    |                                    |              |     |                           | 98.1ft: few shell molds and casts                                                                                                                                |
| -104.6                             | 103.1         |            |                                            |       |                              |                                         |    |    |                                    |              |     |                           |                                                                                                                                                                  |
| -109.6                             | 108.1         |            |                                            |       |                              |                                         |    |    |                                    |              |     |                           | 108.1ft: white (10YR8/1), to light gray (10YR7/2), to greenish gray (10Y5/1), hard to moderately hard                                                            |
| -114.6                             | 113.1         |            |                                            |       |                              |                                         |    |    |                                    |              |     |                           | 113.1ft: greenish gray (10Y5/1), hard                                                                                                                            |
| -120.1                             | 118.6         | 3          | 3                                          | 2     |                              |                                         |    |    |                                    |              |     |                           | -116.5 Silty SAND (SM), gray (2.5Y6/1), loose, wet, fine grained sand, strong HCl reaction (Tamiami Formation)                                                   |
| -125.1                             | 123.6         | 6          | 25                                         | 12    |                              |                                         |    |    |                                    |              |     |                           | 118.6ft: Switch sampling method to SPT                                                                                                                           |
|                                    |               |            |                                            |       |                              |                                         |    |    |                                    |              |     |                           | 123.6ft: light gray (10YR7/1), hard, medium to coarse grained sand, some shell fragments                                                                         |
|                                    |               |            |                                            |       |                              |                                         |    |    |                                    |              |     |                           | SILT (ML), light olive gray (5Y6/2), very stiff, wet, strong HCl reaction                                                                                        |
|                                    |               |            |                                            |       |                              |                                         |    |    |                                    |              |     |                           | Boring Terminated at Elevation -126.6 ft                                                                                                                         |

TURKEY POINT COL BORE TURKEY POINT COL GDT 8/14/08



SHEET 1 OF 2

|                                    |                    |                                         |                                                             |                                   |                      |                                                |
|------------------------------------|--------------------|-----------------------------------------|-------------------------------------------------------------|-----------------------------------|----------------------|------------------------------------------------|
| BECHTEL PROJECT NO.: 25409         |                    | MACTEC PROJECT NO.: 6468-07-1950        |                                                             | COUNTY: Miami-Dade                | GEOLOGIST: L. Bisson |                                                |
| SITE DESCRIPTION: Turkey Point COL |                    | DRILL MACHINE: CME-550 (ATL)            |                                                             | DRILLER: L. Carter/ J. Landeros   |                      | GROUND WATER (ft)<br><br>0 HR. NA<br>24 HR. NA |
| BORING NO.: B-612                  |                    | DRILL METHOD: Mud Rotary/ Core          |                                                             | SAMPLE METHODS: SPT/Core          |                      |                                                |
| GROUND ELEV.: -1.5 ft (NAVD88)     |                    | NORTHING: 397,086 US ft (NAD83/90)      |                                                             | EASTING: 876,869 US ft (NAD83/90) |                      |                                                |
| TOTAL DEPTH: 125.1 ft              |                    | CASING DEPTH: 4" to 16.0', 3" to 118.6' |                                                             |                                   |                      | HAMMER (ID): 140 lb. Auto (MEC-03)             |
| DATE STARTED: 3/25/08              | COMPLETED: 3/26/08 | CORE SIZE: HQ3                          | CORE BARREL TYPE: Triple Tube Wireline (Split inner liners) |                                   |                      |                                                |

| ELEV.<br>(ft) | DEPTH<br>(ft) | RUN<br>(ft) | DRILL<br>RATE<br>(Min/ft) | RUN               |                  | SAMP.<br>NO. | STRATA            |                  | LOG | DESCRIPTION AND REMARKS                                                                                                                                                                                          |
|---------------|---------------|-------------|---------------------------|-------------------|------------------|--------------|-------------------|------------------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |               |             |                           | REC.<br>(ft)<br>% | RQD<br>(ft)<br>% |              | REC.<br>(ft)<br>% | RQD<br>(ft)<br>% |     |                                                                                                                                                                                                                  |
|               |               |             |                           |                   |                  |              |                   |                  |     | Begin Coring @ 16.4 ft                                                                                                                                                                                           |
| -17.9         | 16.4          | 1.7         | 1:42                      | (1.7)             | (1.0)            | RUN-1        | (2.5)             | (1.0)            |     | LIMESTONE, boundstone, pale yellow (2.5YR8/3), very soft, wet, sandy, strong HCl reaction, oolitic (Miami Formation) <i>(continued)</i>                                                                          |
| -19.6         | 18.1          | 5.0         | 1:06/0.7                  | 100%              | 59%              | RUN-2        | 33%               | 13%              |     | 16.4ft: white (10YR8/1), mottled light brownish gray (10YR6/1), hard, indurated, strong HCl reaction, oolitic, vertical solution cavities                                                                        |
|               |               |             | 0:48                      | (0.5)             | (0.0)            |              |                   |                  |     | 18.1ft: fossiliferous, few vugs                                                                                                                                                                                  |
|               |               |             | 0:27                      | 10%               | 0%               |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:35                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:40                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:44                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
| -24.6         | 23.1          | 5.0         | 0:46                      | (4.4)             | (2.8)            | RUN-3        | (20.0)            | (14.8)           |     | 25.5ft: LIMESTONE, boundstone, white (10YR8/1), to light gray (10YR7/1), hard, indurated, fossiliferous, trace sand, trace recrystallized calcite, strong HCl reaction, few vugs (Upper Fort Thompson Formation) |
|               |               |             | 1:53                      | 88%               | 56%              |              | 85%               | 63%              |     |                                                                                                                                                                                                                  |
|               |               |             | 0:45                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:28                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:31                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
| -29.6         | 28.1          | 5.0         | 0:09                      | (1.5)             | (0.0)            | RUN-4        |                   |                  |     | 27.0ft: loss of circulation                                                                                                                                                                                      |
|               |               |             | 0:03                      | 30%               | 0%               |              |                   |                  |     | 28.1ft: white (10YR8/1), to gray (10YR5/1), to olive yellow (10YR6/8)                                                                                                                                            |
|               |               |             | 0:22                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:05                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:51                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
| -34.6         | 33.1          | 5.0         | 1:46                      | (5.0)             | (3.5)            | RUN-5        |                   |                  |     | 33.1ft: white (10YR8/1), moderately hard to hard                                                                                                                                                                 |
|               |               |             | 0:55                      | 100%              | 70%              |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:58                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:58                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 1:20                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
| -39.6         | 38.1          | 5.0         | 1:47                      | (5.0)             | (4.5)            | RUN-6        |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 1:22                      | 100%              | 90%              |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 1:27                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 1:04                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 1:10                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
| -44.6         | 43.1          | 5.0         | 1:23                      | (5.0)             | (4.6)            | RUN-7        |                   |                  |     | 43.1ft: white (10YR8/1), to gray (10YR5/1) at 45.5ft to 47.5ft, hard, little vugs                                                                                                                                |
|               |               |             | 1:24                      | 100%              | 92%              |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:57                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 1:31                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 1:21                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
| -49.6         | 48.1          | 5.0         | 1:04                      | (5.0)             | (4.9)            | RUN-8        | (55.4)            | (35.8)           |     | 49.0ft: LIMESTONE, boundstone, white (10YR8/1), to light gray (10YR7/1), hard, indurated, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)                                                     |
|               |               |             | 1:38                      | 100%              | 98%              |              | 82%               | 53%              |     | 52.1 to 53.1ft: soft                                                                                                                                                                                             |
|               |               |             | 1:15                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:49                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:35                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
| -54.6         | 53.1          | 5.0         | 0:24                      | (5.0)             | (4.0)            | RUN-9        |                   |                  |     | 53.1ft: white (10YR8/1), soft to hard, moderately indurated to indurated, sandy                                                                                                                                  |
|               |               |             | 0:37                      | 100%              | 80%              |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:33                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:54                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:46                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
| -59.6         | 58.1          | 5.0         | 1:08                      | (4.7)             | (4.1)            | RUN-10       |                   |                  |     | 58.1ft: white (10YR8/1), to light gray (10YR7/1), hard, indurated                                                                                                                                                |
|               |               |             | 1:48                      | 94%               | 82%              |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 1:52                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:45                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 1:46                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
| -64.6         | 63.1          | 5.0         | 1:02                      | (3.5)             | (1.9)            | RUN-11       |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:37                      | 70%               | 38%              |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:52                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:52                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:26                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
| -69.6         | 68.1          | 5.0         | 0:33                      | (3.2)             | (0.6)            | RUN-12       |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:27                      | 64%               | 12%              |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 1:01                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 1:38                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:20                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
| -74.6         | 73.1          | 5.0         | 0:55                      | (2.4)             | (0.9)            | RUN-13       |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:37                      | 48%               | 18%              |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:08                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:19                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 1:10                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
| -79.6         | 78.1          | 5.0         | 1:01                      | (4.0)             | (3.3)            | RUN-14       |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 1:02                      | 100%              | 83%              |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 1:06                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 1:15                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
| -83.6         | 82.1          | 4.0         | 0:29                      | (0.8)             | (0.4)            | RUN-15       |                   |                  |     | 82.1ft: moderately hard, some vugs                                                                                                                                                                               |
|               |               |             | 0:35                      | 80%               | 40%              | RUN-16       |                   |                  |     | 83.1ft: hard, few vugs                                                                                                                                                                                           |
|               |               |             | 0:09                      | (4.1)             | (1.0)            |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:48                      | 82%               | 20%              |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:32                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:49                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |
| -89.6         | 88.1          | 5.0         | 1:04                      | (3.2)             | (0.4)            | RUN-17       |                   |                  |     | 88.1ft: moderately hard                                                                                                                                                                                          |
|               |               |             | 0:46                      | 64%               | 8%               |              |                   |                  |     |                                                                                                                                                                                                                  |
|               |               |             | 0:30                      |                   |                  |              |                   |                  |     |                                                                                                                                                                                                                  |

TURKEY POINT COL CORE TURKEY POINT COL GDT 3/14/08



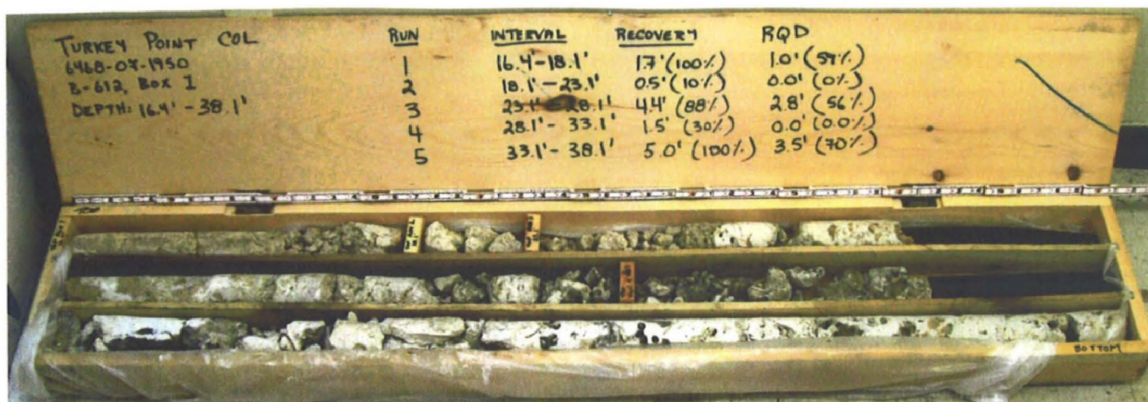
SHEET 2 OF 2

|                                    |                                         |                                    |                                                             |
|------------------------------------|-----------------------------------------|------------------------------------|-------------------------------------------------------------|
| BECHTEL PROJECT NO.: 25409         | MACTEC PROJECT NO.: 6468-07-1950        | COUNTY: Miami-Dade                 | GEOLOGIST: L. Bisson                                        |
| SITE DESCRIPTION: Turkey Point COL | DRILL MACHINE: CME-550 (ATL)            | DRILLER: L. Carter/ J. Landeros    | GROUND WATER (ft)                                           |
| BORING NO.: B-612                  | DRILL METHOD: Mud Rotary/ Core          | SAMPLE METHODS: SPT/Core           | 0 HR. NA                                                    |
| GROUND ELEV.: -1.5 ft (NAVD88)     | NORTHING: 397,086 US ft (NAD83/90)      | EASTING: 876,869 US ft (NAD83/90)  | 24 HR. NA                                                   |
| TOTAL DEPTH: 125.1 ft              | CASING DEPTH: 4" to 16.0', 3" to 118.6' | HAMMER (ID): 140 lb. Auto (MEC-03) |                                                             |
| DATE STARTED: 3/25/08              | COMPLETED: 3/26/08                      | CORE SIZE: HQ3                     | CORE BARREL TYPE: Triple Tube Wireline (Split inner liners) |

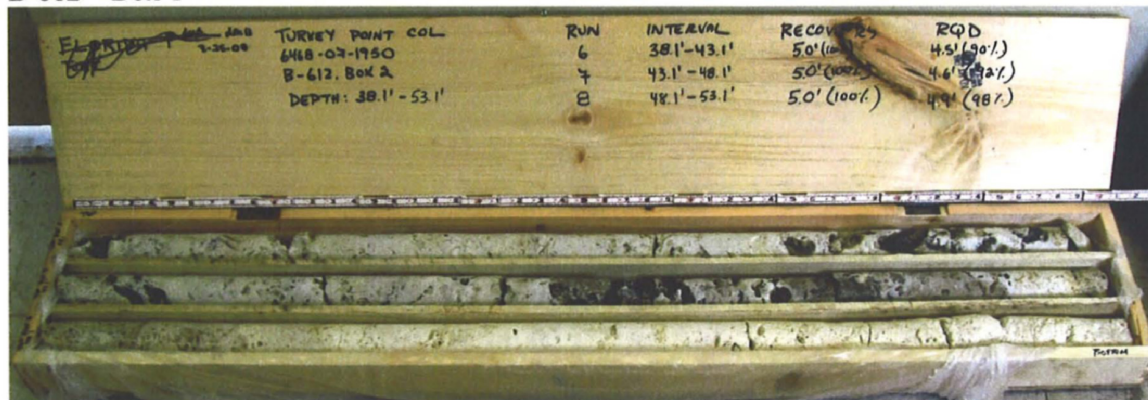
| ELEV.<br>(ft)                         | DEPTH<br>(ft) | RUN<br>(ft) | DRILL<br>RATE<br>(Min/ft)            | RUN               |                  | SAMP.<br>NO. | STRATA            |                  | L<br>O<br>G | DESCRIPTION AND REMARKS                                                                                                                                          |
|---------------------------------------|---------------|-------------|--------------------------------------|-------------------|------------------|--------------|-------------------|------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                       |               |             |                                      | REC.<br>(ft)<br>% | RQD<br>(ft)<br>% |              | REC.<br>(ft)<br>% | RQD<br>(ft)<br>% |             |                                                                                                                                                                  |
| Continued from previous page          |               |             |                                      |                   |                  |              |                   |                  |             |                                                                                                                                                                  |
| -94.6                                 | 93.1          | 5.0         | 0.30<br>0.26                         |                   |                  | RUN-18       |                   |                  |             | LIMESTONE, boundstone, white (10YR8/1), to light gray (10YR7/1), hard, indurated, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued) |
| -99.6                                 | 98.1          | 5.0         | 0.26<br>1.18<br>0.42<br>0.44<br>0.40 | (2.6)<br>52%      | (0.9)<br>18%     | RUN-19       |                   |                  |             | 93.1ft: hard, interbedded sand lenses                                                                                                                            |
| -104.6                                | 103.1         | 5.0         | 0.36<br>0.50<br>0.32<br>0.27<br>1.03 | (5.0)<br>100%     | (4.2)<br>84%     | RUN-20       |                   |                  |             | 98.1ft: few shell molds and casts                                                                                                                                |
| -109.6                                | 108.1         | 5.0         | 0.43<br>0.53<br>0.48<br>1.03<br>0.45 | (5.0)<br>100%     | (5.0)<br>100%    | RUN-21       |                   |                  |             | 108.1ft: white (10YR8/1), to light gray (10YR7/2), to greenish gray (10Y5/1), hard to moderately hard                                                            |
| -114.6                                | 113.1         | 5.0         | 0.31<br>0.19<br>0.35<br>0.24<br>0.39 | (5.0)<br>100%     | (3.6)<br>72%     | RUN-22       |                   |                  |             | 113.1ft: greenish gray (10Y5/1), hard                                                                                                                            |
| -119.6                                | 118.1         | 5.0         | 0.37<br>0.22<br>0.24<br>0.41<br>0.18 | (1.3)<br>26%      | (0.0)<br>0%      |              | (0.0)<br>0%       | (NA)             |             | Silty SAND (SM), gray (2.5Y6/1), loose, wet, fine grained sand, strong HCl reaction (Tamiami Formation)                                                          |
| Coring Terminated at Elevation -119.6 |               |             |                                      |                   |                  |              |                   |                  |             |                                                                                                                                                                  |

TURKEY POINT COL CORE TURKEY POINT GPJ TURKEY POINT COL GDT 8/14/08





B-612 - Box 1



B-612 - Box 2



B-612 - Box 3

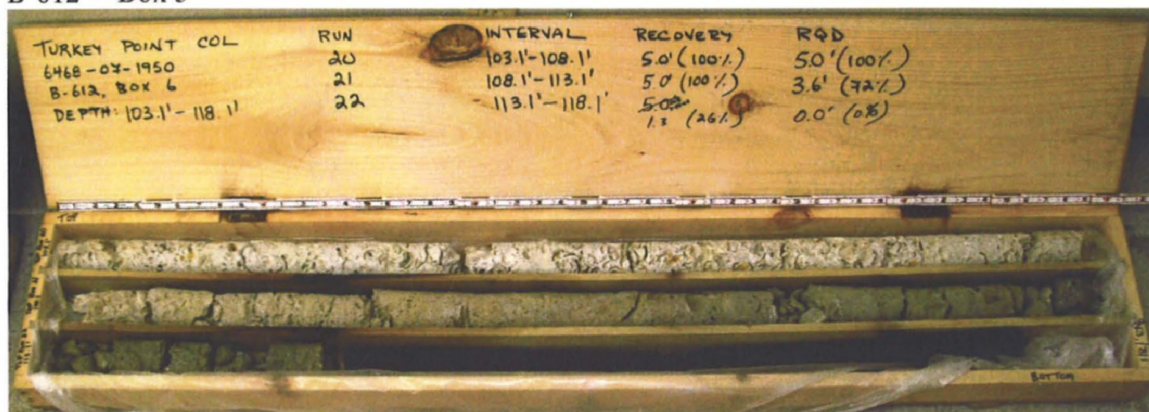


B-612 - Box 4





B-612 - Box 5



B-612 - Box 6





## GEOTECHNICAL BORING LOG

Prepared By SM Date 8-19-08Checked By SC Date 8/19/08

SHEET 1 OF 3

|                                    |               |            |                               |       |                                    |                |    |                            |                               |                                        |              |                                |     |                                                                                                                                                                                                                         |  |
|------------------------------------|---------------|------------|-------------------------------|-------|------------------------------------|----------------|----|----------------------------|-------------------------------|----------------------------------------|--------------|--------------------------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| BECHTEL PROJECT NO.: 25409         |               |            |                               |       | MACTEC PROJECT NO.: 6468-07-1950   |                |    |                            |                               | COUNTY: Miami-Dade                     |              | GEOLOGIST: J. Liles            |     |                                                                                                                                                                                                                         |  |
| SITE DESCRIPTION: Turkey Point COL |               |            |                               |       | DRILL MACHINE: CME-550 (Miller)    |                |    |                            |                               | DRILLER: R. White/ J. Dugger/ C. White |              |                                |     | GROUND WATER (ft)                                                                                                                                                                                                       |  |
| BORING NO.: B-613                  |               |            |                               |       | DRILL METHOD: Mud Rotary/ Core     |                |    |                            |                               | SAMPLE METHODS: SPT/Core               |              |                                |     | 0 HR. NA                                                                                                                                                                                                                |  |
| GROUND ELEV.: -1.4 ft (NAVD88)     |               |            |                               |       | NORTHING: 397,162 US ft (NAD83/90) |                |    |                            |                               | EASTING: 876,809 US ft (NAD83/90)      |              |                                |     | 24 HR. NA                                                                                                                                                                                                               |  |
| TOTAL DEPTH: 150.2 ft              |               |            | BORING DIAMETER: 3" to 150.2' |       |                                    |                |    | CASING DEPTH: 3" to 115.0' |                               |                                        |              | HAMMER (ID):140 lb. Auto (M06) |     |                                                                                                                                                                                                                         |  |
| DATE STARTED: 3/25/08              |               |            | COMPLETED: 3/26/08            |       |                                    | CORE SIZE: HQ3 |    |                            | BITS USED: 2 7/8" Roller Cone |                                        |              |                                |     |                                                                                                                                                                                                                         |  |
| ELEV.<br>(ft)                      | DEPTH<br>(ft) | BLOW COUNT |                               |       | BLOWS PER FOOT                     |                |    |                            |                               |                                        | SAMP.<br>NO. | MOI                            | LOG | SOIL AND ROCK DESCRIPTION                                                                                                                                                                                               |  |
|                                    |               | 0.5ft      | 0.5ft                         | 0.5ft | 0                                  | 20             | 40 | 60                         | 80                            | 100                                    |              |                                |     |                                                                                                                                                                                                                         |  |
| -1.4                               |               |            |                               |       | Ground Surface                     |                |    |                            |                               |                                        |              |                                |     | -1.4 0.0                                                                                                                                                                                                                |  |
| -1.4                               | 0.0           | WOH        | WOH                           | WOH   | 0                                  |                |    |                            |                               |                                        | 613-1        |                                |     | MUCK, black (2.5Y2.5/1), very soft, wet, strong HCl reaction, mostly organics                                                                                                                                           |  |
| -4.2                               | 2.8           |            |                               |       |                                    |                |    |                            |                               |                                        | 613-2A&B     |                                |     |                                                                                                                                                                                                                         |  |
| -6.5                               | 5.1           | 2          | 3                             | 4     |                                    |                |    |                            |                               |                                        | 613-3        |                                |     | LIMESTONE, boundstone, white (2.5Y8/1), very soft, wet, little fine grained sand, strong HCl reaction, oolitic (Miami Formation)                                                                                        |  |
| -8.9                               | 7.5           | 8          | 10                            | 7     |                                    |                |    |                            |                               |                                        | 613-4        |                                |     | 7.5ft: moderately hard                                                                                                                                                                                                  |  |
| -11.1                              | 9.7           | 15         | 42                            | 11    |                                    |                |    |                            |                               |                                        | 613-5        |                                |     | 9.7ft: very soft                                                                                                                                                                                                        |  |
| -13.1                              | 11.7          | 3          | 5                             | 10    |                                    |                |    |                            |                               |                                        | 613-6        |                                |     | 11.7ft: medium hard                                                                                                                                                                                                     |  |
| -16.4                              | 15.0          | 2          | 11                            | 21    |                                    |                |    |                            |                               |                                        | 613-7        |                                |     | 15.0ft: soft                                                                                                                                                                                                            |  |
| -21.4                              | 20.0          | 5          | 10                            | 13    |                                    |                |    |                            |                               |                                        |              |                                |     |                                                                                                                                                                                                                         |  |
| -27.7                              | 26.3          | 3          | 3                             | 8     |                                    |                |    |                            |                               |                                        | 613-8        |                                |     | 20.0ft: very soft                                                                                                                                                                                                       |  |
| -32.9                              | 31.5          |            |                               |       |                                    |                |    |                            |                               |                                        |              |                                |     |                                                                                                                                                                                                                         |  |
| -33.3                              | 31.9          | 2          | 2                             | 14    |                                    |                |    |                            |                               |                                        | 613-9        |                                |     | LIMESTONE, boundstone, white (2.5Y8/1), very soft, wet, trace clayey sand, strong HCl reaction (Upper Fort Thompson Formation)                                                                                          |  |
| -36.3                              | 34.9          |            |                               |       |                                    |                |    |                            |                               |                                        |              |                                |     |                                                                                                                                                                                                                         |  |
| -41.3                              | 39.9          |            |                               |       |                                    |                |    |                            |                               |                                        | 613-10       |                                |     | 31.5ft: hard                                                                                                                                                                                                            |  |
| -46.3                              | 44.9          |            |                               |       |                                    |                |    |                            |                               |                                        | RUN-1        |                                |     | 31.9ft: Switch sampling method to coring                                                                                                                                                                                |  |
| -51.3                              | 49.9          |            |                               |       |                                    |                |    |                            |                               |                                        | RUN-2        |                                |     | 31.9ft: white (2.5Y8/1), moderately hard, moderately indurated, coralline, few vugs                                                                                                                                     |  |
| -56.3                              | 54.9          |            |                               |       |                                    |                |    |                            |                               |                                        | RUN-3        |                                |     | 34.9ft: fossiliferous, little vugs                                                                                                                                                                                      |  |
| -61.3                              | 59.9          |            |                               |       |                                    |                |    |                            |                               |                                        |              |                                |     |                                                                                                                                                                                                                         |  |
| -66.3                              | 64.9          |            |                               |       |                                    |                |    |                            |                               |                                        | RUN-4        |                                |     | 39.9ft: few vugs                                                                                                                                                                                                        |  |
| -71.3                              | 69.9          |            |                               |       |                                    |                |    |                            |                               |                                        |              |                                |     |                                                                                                                                                                                                                         |  |
| -76.3                              | 74.9          |            |                               |       |                                    |                |    |                            |                               |                                        | RUN-5        |                                |     | 44.9ft: light gray (2.5Y7/2), moderately hard to hard, moderately indurated to indurated                                                                                                                                |  |
|                                    |               |            |                               |       |                                    |                |    |                            |                               |                                        | RUN-6        |                                |     | 47.1                                                                                                                                                                                                                    |  |
|                                    |               |            |                               |       |                                    |                |    |                            |                               |                                        |              |                                |     | LIMESTONE, boundstone, white (2.5Y8/1), moderately hard to hard, moderately indurated to indurated, trace vugs, strong HCl reaction, fossiliferous, few gastropod shell molds and casts (Lower Fort Thompson Formation) |  |
|                                    |               |            |                               |       |                                    |                |    |                            |                               |                                        | RUN-7        |                                |     |                                                                                                                                                                                                                         |  |
|                                    |               |            |                               |       |                                    |                |    |                            |                               |                                        |              |                                |     |                                                                                                                                                                                                                         |  |
|                                    |               |            |                               |       |                                    |                |    |                            |                               |                                        | RUN-8        |                                |     | 59.9ft: medium hard to moderately hard, friable to moderately indurated, sandy                                                                                                                                          |  |
|                                    |               |            |                               |       |                                    |                |    |                            |                               |                                        |              |                                |     |                                                                                                                                                                                                                         |  |
|                                    |               |            |                               |       |                                    |                |    |                            |                               |                                        | RUN-9        |                                |     | 64.9ft: no recovery, very fast/soft drilling                                                                                                                                                                            |  |
|                                    |               |            |                               |       |                                    |                |    |                            |                               |                                        |              |                                |     |                                                                                                                                                                                                                         |  |
|                                    |               |            |                               |       |                                    |                |    |                            |                               |                                        |              |                                |     | 69.9ft: moderately hard, moderately indurated, very fast/soft drilling                                                                                                                                                  |  |

TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL GDT 8/18/08



SHEET 2 OF 3

| BECHTEL PROJECT NO.: 25409         |               |            | MACTEC PROJECT NO.: 6468-07-1950   |       |                              | COUNTY: Miami-Dade                     |    |    | GEOLOGIST: J. Liles             |              |     |                           |                                                                                                                                                                                                                                     |
|------------------------------------|---------------|------------|------------------------------------|-------|------------------------------|----------------------------------------|----|----|---------------------------------|--------------|-----|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SITE DESCRIPTION: Turkey Point COL |               |            | DRILL MACHINE: CME-550 (Miller)    |       |                              | DRILLER: R. White/ J. Dugger/ C. White |    |    | GROUND WATER (ft)               |              |     |                           |                                                                                                                                                                                                                                     |
| BORING NO.: B-613                  |               |            | DRILL METHOD: Mud Rotary/ Core     |       |                              | SAMPLE METHODS: SPT/Core               |    |    | 0 HR. NA                        |              |     |                           |                                                                                                                                                                                                                                     |
| GROUND ELEV.: -1.4 ft (NAVD88)     |               |            | NORTHING: 397,162 US ft (NAD83/90) |       |                              | EASTING: 876,809 US ft (NAD83/90)      |    |    | 24 HR. NA                       |              |     |                           |                                                                                                                                                                                                                                     |
| TOTAL DEPTH: 150.2 ft              |               |            | BORING DIAMETER: 3" to 150.2'      |       |                              | CASING DEPTH: 3" to 115.0'             |    |    | HAMMER (ID): 140 lb. Auto (M06) |              |     |                           |                                                                                                                                                                                                                                     |
| DATE STARTED: 3/25/08              |               |            | COMPLETED: 3/26/08                 |       |                              | CORE SIZE: HQ3                         |    |    | BITS USED: 2 7/8" Roller Cone   |              |     |                           |                                                                                                                                                                                                                                     |
| ELEV.<br>(ft)                      | DEPTH<br>(ft) | BLOW COUNT |                                    |       | BLOWS PER FOOT               |                                        |    |    |                                 | SAMP.<br>NO. | LOG | SOIL AND ROCK DESCRIPTION |                                                                                                                                                                                                                                     |
|                                    |               | 0.5ft      | 0.5ft                              | 0.5ft | 0                            | 20                                     | 40 | 60 | 80                              | 100          | MOI |                           |                                                                                                                                                                                                                                     |
| -76.2                              |               |            |                                    |       | Continued from previous page |                                        |    |    |                                 |              |     |                           |                                                                                                                                                                                                                                     |
| -81.3                              | 79.9          |            |                                    |       |                              |                                        |    |    |                                 |              |     |                           | LIMESTONE, boundstone, white (2.5Y8/1), moderately hard to hard, moderately indurated to indurated, trace vugs, strong HCl reaction, fossiliferous, few gastropod shell molds and casts (Lower Fort Thompson Formation) (continued) |
| -86.3                              | 84.9          |            |                                    |       |                              |                                        |    |    |                                 |              |     |                           | 74.9ft: medium hard to moderately hard, friable to moderately indurated                                                                                                                                                             |
| -91.3                              | 89.9          |            |                                    |       |                              |                                        |    |    |                                 |              |     |                           | 84.9ft: trace fine to medium grained sand, few vugs                                                                                                                                                                                 |
| -96.3                              | 94.9          |            |                                    |       |                              |                                        |    |    |                                 |              |     |                           | 89.9ft: moderately hard, moderately indurated                                                                                                                                                                                       |
| -101.3                             | 99.9          |            |                                    |       |                              |                                        |    |    |                                 |              |     |                           | 99.9ft: some vugs, little shell molds and casts                                                                                                                                                                                     |
| -106.3                             | 104.9         |            |                                    |       |                              |                                        |    |    |                                 |              |     |                           |                                                                                                                                                                                                                                     |
| -111.3                             | 109.9         |            |                                    |       |                              |                                        |    |    |                                 |              |     |                           |                                                                                                                                                                                                                                     |
| -116.3                             | 114.9         |            |                                    |       |                              |                                        |    |    |                                 |              |     |                           |                                                                                                                                                                                                                                     |
| -118.3                             | 116.9         | 9          | 10                                 | 1     |                              |                                        |    |    |                                 |              |     |                           | POORLY GRADED SAND (SP), light gray (2.5Y7/1), wet, fine grained sand, strong HCl reaction, trace limestone fragments and shells (Tamiami Formation)                                                                                |
| -127.5                             | 126.1         | 4          | 7                                  | 11    |                              |                                        |    |    |                                 |              |     |                           | 116.9ft: Switch sampling method to SPT                                                                                                                                                                                              |
| -137.6                             | 136.2         | 3          | 2                                  | 2     |                              |                                        |    |    |                                 |              |     |                           | 116.9ft: medium dense, shell fragments                                                                                                                                                                                              |
| -140.1                             | 138.7         | 2          | 3                                  | 5     |                              |                                        |    |    |                                 |              |     |                           | 126.1ft: greenish gray (10Y6/1)                                                                                                                                                                                                     |
| -150.1                             | 148.7         | 4          | 6                                  | 7     |                              |                                        |    |    |                                 |              |     |                           | 136.2ft: no recovery, very loose                                                                                                                                                                                                    |
|                                    |               |            |                                    |       |                              |                                        |    |    |                                 |              |     |                           | 138.7ft: loose                                                                                                                                                                                                                      |

TURKEY POINT COL BORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 8/18/08

|                                    |               |            |                               |       |                                    |                |    |                            |                               |                                        |     |                                 |                                          |                   |  |
|------------------------------------|---------------|------------|-------------------------------|-------|------------------------------------|----------------|----|----------------------------|-------------------------------|----------------------------------------|-----|---------------------------------|------------------------------------------|-------------------|--|
| BECHTEL PROJECT NO.: 25409         |               |            |                               |       | MACTEC PROJECT NO.: 6468-07-1950   |                |    |                            |                               | COUNTY: Miami-Dade                     |     | GEOLOGIST: J. Liles             |                                          |                   |  |
| SITE DESCRIPTION: Turkey Point COL |               |            |                               |       | DRILL MACHINE: CME-550 (Miller)    |                |    |                            |                               | DRILLER: R. White/ J. Dugger/ C. White |     |                                 |                                          | GROUND WATER (ft) |  |
| BORING NO.: B-613                  |               |            |                               |       | DRILL METHOD: Mud Rotary/ Core     |                |    |                            |                               | SAMPLE METHODS: SPT/Core               |     |                                 |                                          | 0 HR. NA          |  |
| GROUND ELEV.: -1.4 ft (NAVD88)     |               |            |                               |       | NORTHING: 397,162 US ft (NAD83/90) |                |    |                            |                               | EASTING: 876,809 US ft (NAD83/90)      |     |                                 |                                          | 24 HR. NA         |  |
| TOTAL DEPTH: 150.2 ft              |               |            | BORING DIAMETER: 3" to 150.2' |       |                                    |                |    | CASING DEPTH: 3" to 115.0' |                               |                                        |     | HAMMER (ID): 140 lb. Auto (M06) |                                          |                   |  |
| DATE STARTED: 3/25/08              |               |            | COMPLETED: 3/26/08            |       |                                    | CORE SIZE: HQ3 |    |                            | BITS USED: 2 7/8" Roller Cone |                                        |     |                                 |                                          |                   |  |
| ELEV.<br>(ft)                      | DEPTH<br>(ft) | BLOW COUNT |                               |       | BLOWS PER FOOT                     |                |    |                            |                               | SAMP.<br>NO.                           | MOI | L<br>O<br>G                     | SOIL AND ROCK DESCRIPTION                |                   |  |
|                                    |               | 0.5ft      | 0.5ft                         | 0.5ft | 0                                  | 20             | 40 | 60                         | 80                            | 100                                    |     |                                 |                                          |                   |  |
| -151.0                             |               |            |                               |       | Continued from previous page       |                |    |                            |                               |                                        |     |                                 |                                          |                   |  |
|                                    |               |            |                               |       |                                    |                |    |                            |                               |                                        |     |                                 | 148.7ft: medium dense                    | 150.2             |  |
|                                    |               |            |                               |       |                                    |                |    |                            |                               |                                        |     |                                 | Boring Terminated at Elevation -151.6 ft |                   |  |

TURKEY POINT COL BORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 8/18/08



SHEET 1 OF 2

|                                    |  |                                    |  |                                        |                                                             |
|------------------------------------|--|------------------------------------|--|----------------------------------------|-------------------------------------------------------------|
| BECHTEL PROJECT NO.: 25409         |  | MACTEC PROJECT NO.: 6468-07-1950   |  | COUNTY: Miami-Dade                     | GEOLOGIST: J. Liles                                         |
| SITE DESCRIPTION: Turkey Point COL |  | DRILL MACHINE: CME-550 (Miller)    |  | DRILLER: R. White/ J. Dugger/ C. White |                                                             |
| BORING NO.: B-613                  |  | DRILL METHOD: Mud Rotary/ Core     |  | SAMPLE METHODS: SPT/Core               |                                                             |
| GROUND ELEV.: -1.4 ft (NAVD88)     |  | NORTHING: 397,162 US ft (NAD83/90) |  | EASTING: 876,809 US ft (NAD83/90)      |                                                             |
| TOTAL DEPTH: 150.2 ft              |  | CASING DEPTH: 3" to 115.0'         |  |                                        | HAMMER (ID): 140 lb. Auto (M06)                             |
| DATE STARTED: 3/25/08              |  | COMPLETED: 3/26/08                 |  | CORE SIZE: HQ3                         | CORE BARREL TYPE: Triple Tube Wireline (Split inner liners) |

| ELEV.<br>(ft) | DEPTH<br>(ft) | RUN<br>(ft) | DRILL<br>RATE<br>(Min/ft)            | RUN               |                  | SAMP.<br>NO. | STRATA            |                  | L<br>O<br>G | DESCRIPTION AND REMARKS                                                                                                                                                                                                 |
|---------------|---------------|-------------|--------------------------------------|-------------------|------------------|--------------|-------------------|------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |               |             |                                      | REC.<br>(ft)<br>% | RQD<br>(ft)<br>% |              | REC.<br>(ft)<br>% | RQD<br>(ft)<br>% |             |                                                                                                                                                                                                                         |
|               |               |             |                                      |                   |                  |              |                   |                  |             | Begin Coring @ 31.9 ft                                                                                                                                                                                                  |
| -33.3         | 31.9          | 3.0         | 1:01<br>1:02<br>1:10                 | (3.0)<br>100%     | (1.0)<br>33%     | RUN-1        | (14.1)<br>93%     | (8.4)<br>55%     |             | LIMESTONE, boundstone, white (2.5Y8/1), very soft, wet, trace clayey sand, strong HCl reaction (Upper Fort Thompson Formation) (continued)                                                                              |
| -36.3         | 34.9          | 5.0         | 1:05<br>0:54<br>1:08<br>1:09<br>0:18 | (4.1)<br>82%      | (2.3)<br>46%     | RUN-2        |                   |                  |             | 31.9ft: white (2.5Y8/1), moderately hard, moderately indurated, coralline, few vugs<br>34.9ft: fossiliferous, little vugs                                                                                               |
| -41.3         | 39.9          | 5.0         | 0:44<br>0:53<br>0:57<br>2:02<br>1:52 | (4.8)<br>96%      | (3.6)<br>72%     | RUN-3        |                   |                  |             | 39.9ft: few vugs                                                                                                                                                                                                        |
| -46.3         | 44.9          | 5.0         | 1:08<br>1:49<br>2:03<br>2:10<br>1:00 | (4.9)<br>98%      | (3.5)<br>70%     | RUN-4        |                   |                  |             | 44.9ft: light gray (2.5Y7/2), moderately hard to hard, moderately indurated to indurated                                                                                                                                |
| -51.3         | 49.9          | 5.0         | 0:58<br>0:38<br>0:50<br>0:47<br>0:42 | (5.0)<br>100%     | (3.6)<br>72%     | RUN-5        | (33.8)<br>51%     | (12.9)<br>20%    |             | LIMESTONE, boundstone, white (2.5Y8/1), moderately hard to hard, moderately indurated to indurated, trace vugs, strong HCl reaction, fossiliferous, few gastropod shell molds and casts (Lower Fort Thompson Formation) |
| -56.3         | 54.9          | 5.0         | 0:25<br>0:10<br>0:37<br>0:38<br>0:39 | (3.1)<br>62%      | (1.6)<br>32%     | RUN-6        |                   |                  |             |                                                                                                                                                                                                                         |
| -61.3         | 59.9          | 5.0         | 0:48<br>1:06<br>0:26<br>0:19<br>0:38 | (1.8)<br>36%      | (0.7)<br>14%     | RUN-7        |                   |                  |             | 59.9ft: medium hard to moderately hard, friable to moderately indurated, sandy                                                                                                                                          |
| -66.3         | 64.9          | 5.0         | 0:11<br>0:06<br>0:05<br>0:06<br>0:11 | (0.0)<br>0%       | (0.0)<br>0%      | RUN-8        |                   |                  |             | 64.9ft: no recovery, very fast/soft drilling                                                                                                                                                                            |
| -71.3         | 69.9          | 5.0         | 0:09<br>0:08<br>0:17<br>0:14<br>0:14 | (1.1)<br>22%      | (0.0)<br>0%      | RUN-9        |                   |                  |             | 69.9ft: moderately hard, moderately indurated, very fast/soft drilling                                                                                                                                                  |
| -76.3         | 74.9          | 5.0         | 0:06<br>1:28<br>0:37<br>3:01<br>2:26 | (3.2)<br>64%      | (0.0)<br>0%      | RUN-10       |                   |                  |             | 74.9ft: medium hard to moderately hard, friable to moderately indurated                                                                                                                                                 |
| -81.3         | 79.9          | 5.0         | 1:07<br>1:10<br>1:21<br>1:11<br>0:30 | (2.9)<br>58%      | (1.0)<br>20%     | RUN-11       |                   |                  |             |                                                                                                                                                                                                                         |
| -86.3         | 84.9          | 5.0         | 0:30<br>1:08<br>0:53<br>1:15<br>0:56 | (2.9)<br>58%      | (1.3)<br>26%     | RUN-12       |                   |                  |             | 84.9ft: trace fine to medium grained sand, few vugs                                                                                                                                                                     |
| -91.3         | 89.9          | 5.0         | 0:35<br>0:33<br>0:54<br>0:48<br>0:25 | (0.2)<br>4%       | (0.0)<br>0%      | RUN-13       |                   |                  |             | 89.9ft: moderately hard, moderately indurated                                                                                                                                                                           |
| -96.3         | 94.9          | 5.0         | 0:44<br>0:23<br>0:28<br>0:19<br>0:48 | (1.4)<br>28%      | (0.0)<br>0%      | RUN-14       |                   |                  |             |                                                                                                                                                                                                                         |
| -101.3        | 99.9          | 5.0         | 0:52<br>0:40<br>0:46<br>0:46<br>0:45 | (4.6)<br>92%      | (2.6)<br>52%     | RUN-15       |                   |                  |             | 99.9ft: some vugs, little shell molds and casts                                                                                                                                                                         |
| -106.3        | 104.9         | 5.0         | 0:46<br>0:37                         | (3.2)<br>(0.0)    | (0.0)<br>(0.0)   | RUN-16       |                   |                  |             |                                                                                                                                                                                                                         |

TURKEY POINT COL CORE TURKEY POINT GPJ TURKEY POINT COL GDT 8/18/08





SHEET 2 OF 2

|                                    |                                    |                                        |                                                             |
|------------------------------------|------------------------------------|----------------------------------------|-------------------------------------------------------------|
| BECHTEL PROJECT NO.: 25409         | MACTEC PROJECT NO.: 6468-07-1950   | COUNTY: Miami-Dade                     | GEOLOGIST: J. Liles                                         |
| SITE DESCRIPTION: Turkey Point COL | DRILL MACHINE: CME-550 (Miller)    | DRILLER: R. White/ J. Dugger/ C. White | GROUND WATER (ft)                                           |
| BORING NO.: B-613                  | DRILL METHOD: Mud Rotary/ Core     | SAMPLE METHODS: SPT/Core               | 0 HR. NA                                                    |
| GROUND ELEV.: -1.4 ft (NAVD88)     | NORTHING: 397,162 US ft (NAD83/90) | EASTING: 876,809 US ft (NAD83/90)      | 24 HR. NA                                                   |
| TOTAL DEPTH: 150.2 ft              | CASING DEPTH: 3" to 115.0'         | HAMMER (ID): 140 lb. Auto (M06)        |                                                             |
| DATE STARTED: 3/25/08              | COMPLETED: 3/26/08                 | CORE SIZE: HQ3                         | CORE BARREL TYPE: Triple Tube Wireline (Split inner liners) |

| ELEV.<br>(ft) | DEPTH<br>(ft) | RUN<br>(ft) | DRILL<br>RATE<br>(Min/ft)            | RUN               |                  | SAMP.<br>NO. | STRATA            |                  | LOG | DESCRIPTION AND REMARKS                                                                                                                                                                                                                    |
|---------------|---------------|-------------|--------------------------------------|-------------------|------------------|--------------|-------------------|------------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |               |             |                                      | REC.<br>(ft)<br>% | RQD<br>(ft)<br>% |              | REC.<br>(ft)<br>% | RQD<br>(ft)<br>% |     |                                                                                                                                                                                                                                            |
|               |               |             |                                      |                   |                  |              |                   |                  |     | Continued from previous page                                                                                                                                                                                                               |
| -111.3        | 109.9         |             | 0.36<br>0.35<br>0.25                 | 64%               | 0%               |              |                   |                  |     | LIMESTONE, boundstone, white (2.5Y8/1), moderately hard to hard, moderately indurated to indurated, trace vugs, strong HCl reaction, fossiliferous, few gastropod shell molds and casts (Lower Fort Thompson Formation) <i>(continued)</i> |
|               |               | 5.0         | 0.34<br>0.32<br>0.26<br>0.25<br>0.55 | (1.6)<br>32%      | (0.0)<br>0%      | RUN-17       |                   |                  |     |                                                                                                                                                                                                                                            |
| -116.3        | 114.9         |             |                                      |                   |                  |              | (0.4)<br>10%      | (NA)             |     | POORLY GRADED SAND (SP), light gray (2.5Y7/1), wet, fine grained sand, strong HCl reaction, trace limestone fragments and shells (Tamiami Formation)                                                                                       |
| -118.3        | 116.9         | 2.0         | 0.08<br>0.36                         | (0.4)<br>20%      | (0.4)<br>20%     | RUN-18       |                   |                  |     | 116.9ft: Switch sampling method to SPT<br>Coring Terminated at Elevation -118.3                                                                                                                                                            |

TURKEY POINT COL CORE TURKEY POINT COL GDT 8/18/08