

|                                    |               |            |                                    |       |                              |                                   |    |    |                                |              |     |                                                                                                                                                                                             |
|------------------------------------|---------------|------------|------------------------------------|-------|------------------------------|-----------------------------------|----|----|--------------------------------|--------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BECHTEL PROJECT NO.: 25409         |               |            | MACTEC PROJECT NO.: 6468-07-1950   |       |                              | COUNTY: Miami-Dade                |    |    | GEOLOGIST: H. Lyatuu           |              |     |                                                                                                                                                                                             |
| SITE DESCRIPTION: Turkey Point COL |               |            | DRILL MACHINE: CME-550 Marsh Buggy |       |                              | DRILLER: D. White/ R. Hall        |    |    | GROUND WATER (ft)              |              |     |                                                                                                                                                                                             |
| BORING NO.: B-812                  |               |            | DRILL METHOD: Mud Rotary/ Core     |       |                              | SAMPLE METHODS: SPT/Core          |    |    | 0 HR. NA                       |              |     |                                                                                                                                                                                             |
| GROUND ELEV.: -1.4 ft (NAVD88)     |               |            | NORTHING: 398,913 US ft (NAD83/90) |       |                              | EASTING: 875,043 US ft (NAD83/90) |    |    | 24 HR. NA                      |              |     |                                                                                                                                                                                             |
| TOTAL DEPTH: 128.7 ft              |               |            | BORING DIAMETER: 4" to 128.7"      |       |                              | CASING DEPTH: 4" to 35.0'         |    |    | HAMMER (ID):140 lb. Auto (893) |              |     |                                                                                                                                                                                             |
| DATE STARTED: 4/19/08              |               |            | COMPLETED: 4/22/08                 |       |                              | CORE SIZE: HQ3                    |    |    | BITS USED: 2 15/16" Tricone    |              |     |                                                                                                                                                                                             |
| 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 |                                   |    |    |                                |              |     |                                                                                                                                                                                             |
| -78.6                              | 77.2          |            |                                    |       |                              |                                   |    |    |                                | RUN-10       |     | 73.7ft: medium hard LIMESTONE, boundstone, white (10YR8/1), moderately hard, moderately indurated, few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued) |
| -83.6                              | 82.2          |            |                                    |       |                              |                                   |    |    |                                | 812-14       |     | 82.2ft: hard                                                                                                                                                                                |
| -83.8                              | 82.4          | 50/2       |                                    |       | 50/2                         |                                   |    |    |                                | RUN-11       |     | 82.4ft: medium hard                                                                                                                                                                         |
| -88.6                              | 87.2          |            |                                    |       |                              |                                   |    |    |                                | RUN-12       |     | 87.2ft: soft to moderately hard, friable to moderately indurated, sandy                                                                                                                     |
| -93.6                              | 92.2          |            |                                    |       |                              |                                   |    |    |                                | RUN-13       |     |                                                                                                                                                                                             |
| -98.6                              | 97.2          |            |                                    |       |                              |                                   |    |    |                                | RUN-14       |     | 97.2ft: medium hard, moderately indurated                                                                                                                                                   |
| -103.6                             | 102.2         |            |                                    |       |                              |                                   |    |    |                                | RUN-15       |     | 102.2ft: soft to moderately hard, friable to moderately indurated                                                                                                                           |
| -108.6                             | 107.2         |            |                                    |       |                              |                                   |    |    |                                | RUN-16       |     | 107.2ft: medium hard, moderately indurated                                                                                                                                                  |
| -113.6                             | 112.2         |            |                                    |       |                              |                                   |    |    |                                | RUN-17       |     |                                                                                                                                                                                             |
| -118.6                             | 117.2         | 5          | 7                                  | 12    |                              |                                   |    |    |                                | 812-15       |     | Silty SAND (SM), light gray (7.5YR7/1), medium dense, wet, fine grained sand, weak HCl reaction (Tamiami Formation)                                                                         |
| -128.6                             | 127.2         | 4          | 4                                  | 3     |                              |                                   |    |    |                                | 812-16       |     | 127.2ft: very pale brown (10YR7/3), loose                                                                                                                                                   |
|                                    |               |            |                                    |       |                              |                                   |    |    |                                |              |     | Boring Terminated at Elevation -130.1 ft                                                                                                                                                    |



SHEET 1 OF 2

|                                    |               |                    |                                                  |                                    |              |                                                             |                  |                                   |              |                                            |             |                                                                                                                                                                                                                                                                              |
|------------------------------------|---------------|--------------------|--------------------------------------------------|------------------------------------|--------------|-------------------------------------------------------------|------------------|-----------------------------------|--------------|--------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BECHTEL PROJECT NO.: 25409         |               |                    |                                                  | MACTEC PROJECT NO.: 6468-07-1950   |              |                                                             |                  | COUNTY: Miami-Dade                |              | GEOLOGIST: H. Lyatuu                       |             |                                                                                                                                                                                                                                                                              |
| SITE DESCRIPTION: Turkey Point COL |               |                    |                                                  | DRILL MACHINE: CME-550 Marsh Buggy |              |                                                             |                  | DRILLER: D. White/ R. Hall        |              | GROUND WATER (ft)<br>0 HR. NA<br>24 HR. NA |             |                                                                                                                                                                                                                                                                              |
| BORING NO.: B-812                  |               |                    |                                                  | DRILL METHOD: Mud Rotary/ Core     |              |                                                             |                  | SAMPLE METHODS: SPT/Core          |              |                                            |             |                                                                                                                                                                                                                                                                              |
| GROUND ELEV.: -1.4 ft (NAVD88)     |               |                    |                                                  | NORTHING: 398,913 US ft (NAD83/90) |              |                                                             |                  | EASTING: 875,043 US ft (NAD83/90) |              |                                            |             |                                                                                                                                                                                                                                                                              |
| TOTAL DEPTH: 128.7 ft              |               |                    |                                                  | CASING DEPTH: 4" to 35.0'          |              |                                                             |                  |                                   |              | HAMMER (ID): 140 lb. Auto (893)            |             |                                                                                                                                                                                                                                                                              |
| DATE STARTED: 4/19/08              |               | COMPLETED: 4/22/08 |                                                  | 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>%            |              | ROD<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 @ 34.2 ft                                                                                                                                                                                                                                                       |
| -35.6                              | 34.2          | 3.0                | 1:52<br>1:16<br>1:11                             | (1.9)<br>63%                       | (0.9)<br>30% |                                                             | RUN-1            | (12.5)<br>82%                     | (5.8)<br>38% |                                            |             | LIMESTONE, boundstone, white (10YR8/1), hard, wet, trace shell fragments, trace coralline, strong HCl reaction (Upper Fort Thompson Formation)<br>(continued)                                                                                                                |
| -38.6                              | 37.2          | 5.0                | 1:10<br>0:31<br>1:12<br>0:53<br>0:34             | (3.5)<br>70%                       | (1.4)<br>28% |                                                             | RUN-2            |                                   |              |                                            |             | 34.2ft: indurated, few vugs, fossiliferous<br>37.2ft: white (10YR8/1), to pale olive (5Y6/3), hard to medium hard, indurated to moderately indurated                                                                                                                         |
| -43.6                              | 42.2          | 5.0                | 1:28<br>0:57<br>1:06<br>1:45<br>1:44             | (4.9)<br>98%                       | (3.1)<br>62% |                                                             | RUN-3            |                                   |              |                                            |             | 42.2ft: gray (5YR6/1), to white (10YR8/1), hard, indurated, coralline                                                                                                                                                                                                        |
| -48.6                              | 47.2          | 5.0                | 1:30<br>3:50<br>2:20<br>1:30<br>0:50             | (3.5)<br>70%                       | (1.2)<br>24% |                                                             | RUN-4            |                                   |              |                                            |             | 47.2ft: white (10YR8/1) and gray (5Y6/1) to 49.4ft                                                                                                                                                                                                                           |
| -53.6                              | 52.2          | 5.0                | 0:35<br>0:15<br>0:27<br>0:31<br>0:54             | (1.7)<br>34%                       | (0.4)<br>8%  |                                                             | RUN-5            | (20.9)<br>33%                     | (6.2)<br>10% |                                            |             | LIMESTONE, boundstone, white (10YR8/1), moderately hard, moderately indurated, few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)<br>52.2ft: medium hard<br>52.2 to 87.2ft: possible interbedded sand layers: based on recovery and drilling rates |
| -58.6                              | 57.2          | 5.0                | 1:10<br>0:45<br>0:30<br>0:15<br>0:54             | (0.3)<br>6%                        | (0.0)<br>0%  |                                                             | RUN-6            |                                   |              |                                            |             | 57.2ft: moderately hard, trace vugs                                                                                                                                                                                                                                          |
| -63.6                              | 62.2          |                    | N=7                                              |                                    |              |                                                             | 812-12           |                                   |              |                                            |             | 62.2ft: Alternate sampling method between coring and SPT<br>62.2ft: very soft<br>63.7ft: medium hard, moderately indurated                                                                                                                                                   |
| -65.1                              | 63.7          | 3.5                | 0:20<br>0:25<br>0:26<br>0:26                     | (0.6)<br>17%                       | (0.0)<br>0%  |                                                             | RUN-7            |                                   |              |                                            |             |                                                                                                                                                                                                                                                                              |
| -68.6                              | 67.2          | 5.0                | 0:20/0.5<br>0:17<br>0:27<br>0:32<br>0:55<br>0:23 | (0.6)<br>12%                       | (0.0)<br>0%  |                                                             | RUN-8            |                                   |              |                                            |             |                                                                                                                                                                                                                                                                              |
| -73.6                              | 72.2          |                    | N=2                                              |                                    |              |                                                             | 812-13           |                                   |              |                                            |             | 72.2ft: very soft<br>73.7ft: medium hard                                                                                                                                                                                                                                     |
| -75.1                              | 73.7          | 3.5                | 0:53<br>1:40<br>1:37                             | (0.9)<br>26%                       | (0.0)<br>0%  |                                                             | RUN-9            |                                   |              |                                            |             |                                                                                                                                                                                                                                                                              |
| -78.6                              | 77.2          | 5.0                | 0:50/0.5<br>0:44<br>0:44<br>0:49<br>1:09<br>0:48 | (1.0)<br>20%                       | (0.0)<br>0%  |                                                             | RUN-10           |                                   |              |                                            |             |                                                                                                                                                                                                                                                                              |
| -83.6                              | 82.2          | 4.8                | N=50/2<br>0:51<br>0:33<br>0:06<br>0:30           | (2.4)<br>50%                       | (0.9)<br>19% |                                                             | 812-14<br>RUN-11 |                                   |              |                                            |             | 82.2ft: hard<br>82.4ft: medium hard                                                                                                                                                                                                                                          |
| -88.6                              | 87.2          | 5.0                | 1:03/0.8<br>1:20<br>1:08<br>1:05<br>0:30<br>0:41 | (3.3)<br>66%                       | (2.8)<br>56% |                                                             | RUN-12           |                                   |              |                                            |             | 87.2ft: soft to moderately hard, friable to moderately indurated, sandy                                                                                                                                                                                                      |
| -93.6                              | 92.2          | 5.0                | 0:40<br>0:23<br>0:12<br>0:10<br>0:15             | (1.9)<br>38%                       | (0.8)<br>16% |                                                             | RUN-13           |                                   |              |                                            |             |                                                                                                                                                                                                                                                                              |
| -98.6                              | 97.2          | 5.0                | 0:12<br>0:30<br>0:25<br>0:38<br>0:40             | (1.4)<br>28%                       | (0.0)<br>0%  |                                                             | RUN-14           |                                   |              |                                            |             | 97.2ft: medium hard, moderately indurated                                                                                                                                                                                                                                    |
| -103.6                             | 102.2         | 5.0                | 0:38<br>0:32<br>0:17<br>0:45<br>0:38             | (3.0)<br>60%                       | (0.5)<br>10% |                                                             | RUN-15           |                                   |              |                                            |             | 102.2ft: soft to moderately hard, friable to moderately indurated                                                                                                                                                                                                            |
| -108.6                             | 107.2         | 5.0                | 0:30<br>0:25                                     | (1.8)<br>(0.0)                     |              |                                                             | RUN-16           |                                   |              |                                            |             | 107.2ft: medium hard, moderately indurated                                                                                                                                                                                                                                   |

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



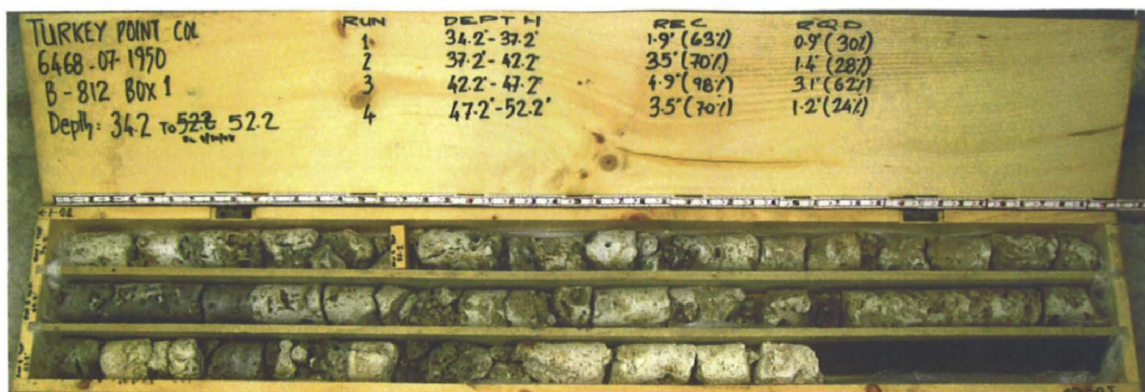
SHEET 2 OF 2

|                                    |  |                                    |  |                                   |  |                                                             |  |
|------------------------------------|--|------------------------------------|--|-----------------------------------|--|-------------------------------------------------------------|--|
| BECHTEL PROJECT NO.: 25409         |  | MACTEC PROJECT NO.: 6468-07-1950   |  | COUNTY: Miami-Dade                |  | GEOLOGIST: H. Lyatuu                                        |  |
| SITE DESCRIPTION: Turkey Point COL |  | DRILL MACHINE: CME-550 Marsh Buggy |  | DRILLER: D. White/ R. Hall        |  | GROUND WATER (ft)                                           |  |
| BORING NO.: B-812                  |  | DRILL METHOD: Mud Rotary/ Core     |  | SAMPLE METHODS: SPT/Core          |  | 0 HR. NA                                                    |  |
| GROUND ELEV.: -1.4 ft (NAVD88)     |  | NORTHING: 398,913 US ft (NAD83/90) |  | EASTING: 875,043 US ft (NAD83/90) |  | 24 HR. NA                                                   |  |
| TOTAL DEPTH: 128.7 ft              |  | CASING DEPTH: 4" to 35.0'          |  |                                   |  | HAMMER (ID): 140 lb. Auto (893)                             |  |
| DATE STARTED: 4/19/08              |  | COMPLETED: 4/22/08                 |  | CORE SIZE: HQ3                    |  | CORE BARREL TYPE: Triple Tube Wireline (Split inner liners) |  |

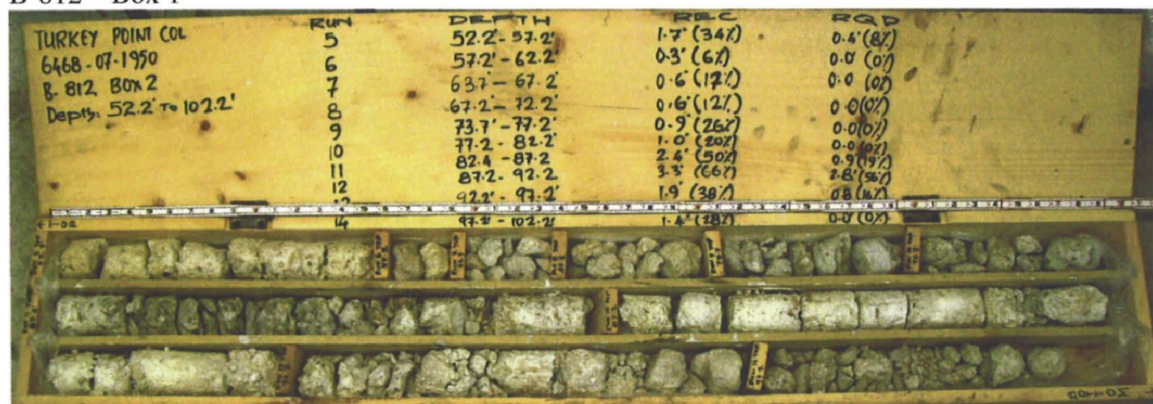
  

| ELEV.<br>(ft) | DEPTH<br>(ft) | RUN<br>(ft) | DRILL<br>RATE<br>(Min/ft)            | RUN              |                  | SAMP.<br>NO. | STRATA           |                  | L<br>O<br>G | DESCRIPTION AND REMARKS                                                                                                                                                 |
|---------------|---------------|-------------|--------------------------------------|------------------|------------------|--------------|------------------|------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |               |             |                                      | REC<br>(ft)<br>% | RQD<br>(ft)<br>% |              | REC<br>(ft)<br>% | RQD<br>(ft)<br>% |             |                                                                                                                                                                         |
|               |               |             |                                      |                  |                  |              |                  |                  |             | Continued from previous page                                                                                                                                            |
| -113.6        | 112.2         |             | 0.20<br>0.30<br>0.25                 | 36%              | 0%               |              |                  |                  |             | LIMESTONE, boundstone, white (10YR8/1), moderately hard, moderately indurated, few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued) |
|               |               | 5.0         | 0.40<br>0.30<br>0.30<br>0.20<br>0.20 | (0.7)<br>14%     | (0.0)<br>0%      | RUN-17       | (0.0)<br>0%      | (NA)             |             | Silty SAND (SM), light gray (7.5YR7/1), medium dense, wet, fine grained sand, weak HCl reaction (Tamiami Formation)                                                     |
| -118.6        | 117.2         |             |                                      |                  |                  |              |                  |                  |             | Coring Terminated at Elevation -118.6                                                                                                                                   |

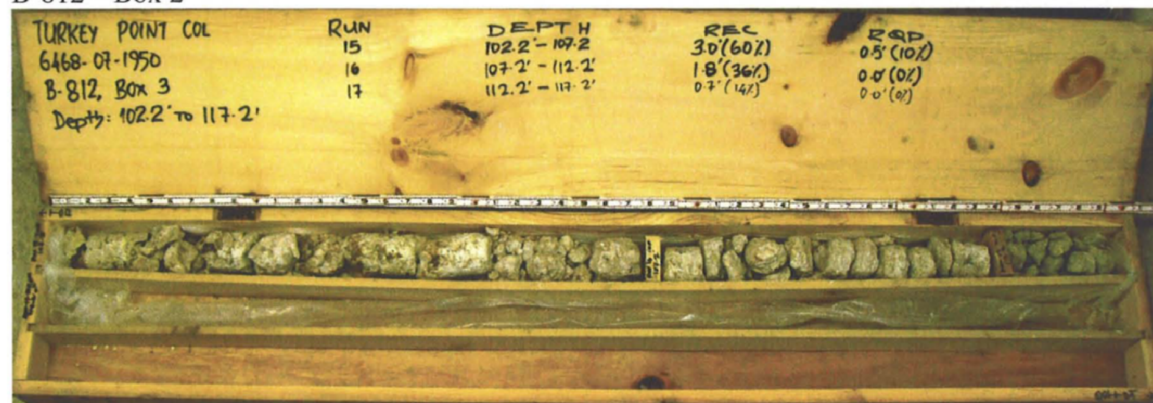
TURKEY POINT COL CORE TURKEY POINT GPJ TURKEY POINT COL.GDT 5/30/08



B-812 - Box 1



B-812 - Box 2



B-812 - Box 3





## GEOTECHNICAL BORING LOG

Prepared By JPZ Date 5-30-08Checked By ASTM Date 5-30-08

SHEET 1 OF 2

|                                    |               |            |       |        |                                    |    |    |    |    |                                   |              |     |     |                           |                                 |      |  |  |  |
|------------------------------------|---------------|------------|-------|--------|------------------------------------|----|----|----|----|-----------------------------------|--------------|-----|-----|---------------------------|---------------------------------|------|--|--|--|
| BECHTEL PROJECT NO.: 25409         |               |            |       |        | MACTEC PROJECT NO.: 6468-07-1950   |    |    |    |    | COUNTY: Miami-Dade                |              |     |     |                           | GEOLOGIST: H. Lyatuu            |      |  |  |  |
| SITE DESCRIPTION: Turkey Point COL |               |            |       |        | DRILL MACHINE: CME-550 Marsh Buggy |    |    |    |    | DRILLER: D. White/ R. Hall        |              |     |     |                           | GROUND WATER (ft)               |      |  |  |  |
| BORING NO.: B-813                  |               |            |       |        | DRILL METHOD: Mud Rotary/ Core     |    |    |    |    | SAMPLE METHODS: SPT/Core          |              |     |     |                           | 0 HR. NA                        |      |  |  |  |
| GROUND ELEV.: -1.3 ft (NAVD88)     |               |            |       |        | NORTHING: 399,048 US ft (NAD83/90) |    |    |    |    | EASTING: 876,097 US ft (NAD83/90) |              |     |     |                           | 24 HR. NA                       |      |  |  |  |
| TOTAL DEPTH: 126.5 ft              |               |            |       |        | BORING DIAMETER: 6" to 126.5'      |    |    |    |    | CASING DEPTH: 6" to 15.0'         |              |     |     |                           | HAMMER (ID): 140 lb. Auto (893) |      |  |  |  |
| DATE STARTED: 5/13/08              |               |            |       |        | COMPLETED: 5/15/08                 |    |    |    |    | CORE SIZE: PQ3                    |              |     |     |                           | BITS USED: 5 7/8" Tricone       |      |  |  |  |
| 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                               |              |     |     |                           |                                 |      |  |  |  |
| -1.3                               |               |            |       |        | Ground Surface                     |    |    |    |    |                                   |              |     |     |                           | -1.3                            | 0.0  |  |  |  |
| -1.3                               | 0.0           | WOH        | WOH   | WOH    | 0                                  |    |    |    |    |                                   | 813-1        |     |     |                           | -3.3                            | 2.0  |  |  |  |
| -3.8                               | 2.5           |            |       |        | 10                                 |    |    |    |    |                                   | 813-2        |     |     |                           | -4.8                            | 3.5  |  |  |  |
| -6.3                               | 5.0           | 9          | 14    | 9      |                                    |    |    |    |    |                                   | 813-3        |     |     |                           |                                 |      |  |  |  |
| -8.8                               | 7.5           | 6          | 8     | 17     |                                    |    |    |    |    |                                   | 813-4        |     |     |                           |                                 |      |  |  |  |
| -11.3                              | 10.0          | 3          | 7     | 5      |                                    |    |    |    |    |                                   | 813-5        |     |     |                           |                                 |      |  |  |  |
| -13.8                              | 12.5          | 12         | 9     | 9      |                                    |    |    |    |    |                                   | 813-6        |     |     |                           |                                 |      |  |  |  |
| -16.3                              | 15.0          | 10         | 11    | 12     |                                    |    |    |    |    |                                   | 813-7        |     |     |                           |                                 |      |  |  |  |
| -21.3                              | 20.0          | 4          | 3     | 3      |                                    |    |    |    |    |                                   | 813-8        |     |     |                           |                                 |      |  |  |  |
| -26.3                              | 25.0          | 16         | 6     | 26     |                                    |    |    |    |    |                                   | 813-9        |     |     |                           |                                 |      |  |  |  |
| -31.3                              | 30.0          |            |       |        |                                    |    |    |    |    |                                   | 813-10       |     |     |                           | -29.3                           | 28.0 |  |  |  |
| -32.8                              | 31.5          | 26         | 28    | 50/0.1 |                                    |    |    |    |    |                                   | RUN-1        |     |     |                           |                                 |      |  |  |  |
| -34.3                              | 33.0          |            |       |        |                                    |    |    |    |    |                                   | RUN-2        |     |     |                           |                                 |      |  |  |  |
| -39.3                              | 38.0          |            |       |        |                                    |    |    |    |    |                                   | RUN-3        |     |     |                           |                                 |      |  |  |  |
| -44.3                              | 43.0          |            |       |        |                                    |    |    |    |    |                                   | RUN-4        |     |     |                           |                                 |      |  |  |  |
| -49.3                              | 48.0          |            |       |        |                                    |    |    |    |    |                                   | RUN-5        |     |     |                           |                                 |      |  |  |  |
| -54.3                              | 53.0          |            |       |        |                                    |    |    |    |    |                                   | RUN-6        |     |     |                           | -54.3                           | 53.0 |  |  |  |
| -59.3                              | 58.0          |            |       |        |                                    |    |    |    |    |                                   | RUN-7        |     |     |                           |                                 |      |  |  |  |
| -64.3                              | 63.0          |            |       |        |                                    |    |    |    |    |                                   | RUN-8        |     |     |                           |                                 |      |  |  |  |
| -69.3                              | 68.0          |            |       |        |                                    |    |    |    |    |                                   | RUN-9        |     |     |                           |                                 |      |  |  |  |
| -74.3                              | 73.0          |            |       |        |                                    |    |    |    |    |                                   | RUN-10       |     |     |                           |                                 |      |  |  |  |

TURKEY POINT COL BORE TURKEY POINT COL.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            |              |     |                                                                                                                                                                                                                     |
| SITE DESCRIPTION: Turkey Point COL |               |            | DRILL MACHINE: CME-550 Marsh Buggy |       |                              | DRILLER: D. White/ R. Hall        |    |    | GROUND WATER (ft)               |              |     |                                                                                                                                                                                                                     |
| BORING NO.: B-813                  |               |            | DRILL METHOD: Mud Rotary/ Core     |       |                              | SAMPLE METHODS: SPT/Core          |    |    | 0 HR. NA                        |              |     |                                                                                                                                                                                                                     |
| GROUND ELEV.: -1.3 ft (NAVD88)     |               |            | NORTHING: 399,048 US ft (NAD83/90) |       |                              | EASTING: 876,097 US ft (NAD83/90) |    |    | 24 HR. NA                       |              |     |                                                                                                                                                                                                                     |
| TOTAL DEPTH: 126.5 ft              |               |            | BORING DIAMETER: 6" to 126.5'      |       |                              | CASING DEPTH: 6" to 15.0'         |    |    | HAMMER (ID): 140 lb. Auto (893) |              |     |                                                                                                                                                                                                                     |
| DATE STARTED: 5/13/08              |               |            | COMPLETED: 5/15/08                 |       |                              | CORE SIZE: PQ3                    |    |    | BITS USED: 5 7/8" Tricone       |              |     |                                                                                                                                                                                                                     |
| 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 |                                                                                                                                                                                                                     |
| -76.1                              |               |            |                                    |       | Continued from previous page |                                   |    |    |                                 |              |     |                                                                                                                                                                                                                     |
| -79.3                              | 78.0          |            |                                    |       |                              |                                   |    |    |                                 | RUN-11       |     | LIMESTONE, boundstone, white (10YR8/1), medium hard, moderately indurated, few vugs, fossiliferous, trace cemented sand, strong HCl reaction (Lower Fort Thompson Formation) (continued)<br>78.0ft: hard, indurated |
| -84.3                              | 83.0          |            |                                    |       |                              |                                   |    |    |                                 | RUN-12       |     | 83.0ft: moderately hard, moderately indurated, few shell molds and casts                                                                                                                                            |
| -89.3                              | 88.0          |            |                                    |       |                              |                                   |    |    |                                 | RUN-13       |     | 88.0ft: medium hard                                                                                                                                                                                                 |
| -94.3                              | 93.0          |            |                                    |       |                              |                                   |    |    |                                 | RUN-14       |     |                                                                                                                                                                                                                     |
| -99.3                              | 98.0          |            |                                    |       |                              |                                   |    |    |                                 | RUN-15       |     |                                                                                                                                                                                                                     |
| -104.3                             | 103.0         |            |                                    |       |                              |                                   |    |    |                                 | RUN-16       |     | 103.0ft: moderately hard, mostly shell molds and casts                                                                                                                                                              |
| -109.3                             | 108.0         |            |                                    |       |                              |                                   |    |    |                                 | RUN-17       |     | 108.0ft: moderately hard to medium hard                                                                                                                                                                             |
| -114.3                             | 113.0         |            |                                    |       |                              |                                   |    |    |                                 | RUN-18       |     | 113.0ft: medium hard, few shell molds and casts                                                                                                                                                                     |
| -117.3                             | 116.0         |            |                                    |       |                              |                                   |    |    |                                 | RUN-19       |     | 116.0ft: trace vugs                                                                                                                                                                                                 |
| -119.3                             | 118.0         |            |                                    |       |                              |                                   |    |    |                                 | RUN-20       |     | Silty SAND (SM), greenish gray (10Y6/1), medium dense, wet, fine grained sand, strong HCl reaction (Tamiami Formation)                                                                                              |
| -126.3                             | 125.0         | 7          | 7                                  | 11    |                              |                                   |    |    |                                 | 813-11       |     | 125.0ft: Switch sampling method to SPT                                                                                                                                                                              |
|                                    |               |            |                                    |       |                              |                                   |    |    |                                 |              |     | Boring Terminated at Elevation -127.8 ft                                                                                                                                                                            |

TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL GDT 530 US



SHEET 1 OF 2

|                                    |                                    |                                   |                                                             |
|------------------------------------|------------------------------------|-----------------------------------|-------------------------------------------------------------|
| BECHTEL PROJECT NO.: 25409         | MACTEC PROJECT NO.: 6468-07-1950   | COUNTY: Miami-Dade                | GEOLOGIST: H. Lyatuu                                        |
| SITE DESCRIPTION: Turkey Point COL | DRILL MACHINE: CME-550 Marsh Buggy | DRILLER: D. White/ R. Hall        | GROUND WATER (ft)                                           |
| BORING NO.: B-813                  | DRILL METHOD: Mud Rotary/ Core     | SAMPLE METHODS: SPT/Core          | 0 HR. NA                                                    |
| GROUND ELEV.: -1.3 ft (NAVD88)     | NORTHING: 399,048 US ft (NAD83/90) | EASTING: 876,097 US ft (NAD83/90) | 24 HR. NA                                                   |
| TOTAL DEPTH: 126.5 ft              | CASING DEPTH: 6" to 15.0'          | HAMMER (ID): 140 lb. Auto (893)   |                                                             |
| DATE STARTED: 5/13/08              | COMPLETED: 5/15/08                 | CORE SIZE: PQ3                    | 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 @ 31.5 ft                                                                                                                                                       |
| -32.8         | 31.5          | 1.5         | 1:35                      | (1.5)            | (1.0)            | RUN-1        | (21.5)           | (19.0)           |             | LIMESTONE, boundstone, white (2.5Y8/1), hard, wet, fossiliferous, strong HCl reaction (Upper Fort Thompson Formation) (continued)                                            |
| -34.3         | 33.0          | 5.0         | 0:42/0.5                  | 100%             | 67%              | RUN-2        | 100%             | 88%              |             | 31.5ft: moderately hard to hard, moderately indurated to indurated, few vugs, coralline                                                                                      |
|               |               |             | 1:46                      | (5.0)            | (3.9)            |              |                  |                  |             | 33.0ft: white (10YR8/1), hard, indurated, little vugs                                                                                                                        |
|               |               |             | 1:34                      | 100%             | 78%              |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 2:02                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
| -39.3         | 38.0          | 5.0         | 3:20                      | (5.0)            | (5.0)            | RUN-3        |                  |                  |             | 38.0ft: few vugs                                                                                                                                                             |
|               |               |             | 2:58                      | 100%             | 100%             |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 1:33                      | (5.0)            | (5.0)            |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 1:58                      | 100%             | 100%             |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 1:59                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
| -44.3         | 43.0          | 5.0         | 2:15                      | (5.0)            | (4.9)            | RUN-4        |                  |                  |             | 43.0ft: little vugs                                                                                                                                                          |
|               |               |             | 2:47                      | 100%             | 98%              |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 1:48                      | (5.0)            | (4.9)            |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 1:44                      | 100%             | 98%              |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 2:09                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
| -49.3         | 48.0          | 5.0         | 2:05                      | (5.0)            | (4.2)            | RUN-5        |                  |                  |             | 48.0ft: white (10YR8/1), to gray (10YR6/1) from 52.5 to 53.0ft, medium hard to hard, moderately indurated to indurated, few vugs                                             |
|               |               |             | 2:00                      | 100%             | 84%              |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 1:34                      | (5.0)            | (4.2)            |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 0:30                      | 100%             | 84%              |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 0:57                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
| -54.3         | 53.0          | 5.0         | 0:50                      | (4.7)            | (2.9)            | RUN-6        | (52.4)           | (26.5)           |             | LIMESTONE, boundstone, white (10YR8/1), medium hard, moderately indurated, few vugs, fossiliferous, trace cemented sand, strong HCl reaction (Lower Fort Thompson Formation) |
|               |               |             | 1:18                      | 94%              | 58%              |              | 82%              | 41%              |             |                                                                                                                                                                              |
|               |               |             | 1:04                      | (4.2)            | (2.7)            | RUN-7        |                  |                  |             | 58.0ft: medium hard to moderately hard, moderately indurated to indurated                                                                                                    |
| -59.3         | 58.0          | 5.0         | 0:48                      | 84%              | 54%              |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 0:52                      | (4.2)            | (2.7)            |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 1:02                      | 84%              | 54%              |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 1:50                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
| -64.3         | 63.0          | 5.0         | 3:00                      | (1.7)            | (0.7)            | RUN-8        |                  |                  |             | 63.0ft: moderately hard, moderately indurated, trace fine grained sand                                                                                                       |
|               |               |             | 2:18                      | 34%              | 14%              |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 1:03                      | (3.4)            | (1.4)            | RUN-9        |                  |                  |             | 68.0ft: medium hard                                                                                                                                                          |
|               |               |             | 0:10                      | 68%              | 28%              |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 0:11                      | (3.1)            | (1.3)            | RUN-10       |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 0:15                      | 62%              | 26%              |              |                  |                  |             |                                                                                                                                                                              |
| -69.3         | 68.0          | 5.0         | 0:41                      | (5.0)            | (5.0)            | RUN-11       |                  |                  |             | 78.0ft: hard, indurated                                                                                                                                                      |
|               |               |             | 0:41                      | 100%             | 100%             |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 0:53                      | (4.7)            | (1.8)            | RUN-12       |                  |                  |             | 83.0ft: moderately hard, moderately indurated, few shell molds and casts                                                                                                     |
|               |               |             | 0:42                      | 94%              | 36%              |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 0:50                      | (5.0)            | (1.5)            | RUN-13       |                  |                  |             | 88.0ft: medium hard                                                                                                                                                          |
|               |               |             | 1:23                      | 100%             | 30%              |              |                  |                  |             |                                                                                                                                                                              |
| -74.3         | 73.0          | 5.0         | 1:50                      | (4.3)            | (2.0)            | RUN-14       |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 1:58                      | 86%              | 40%              |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 3:00                      | (4.1)            | (1.3)            | RUN-15       |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 4:15                      | 82%              | 26%              |              |                  |                  |             |                                                                                                                                                                              |
| -79.3         | 78.0          | 5.0         | 1:58                      | (4.5)            | (3.0)            | RUN-16       |                  |                  |             | 103.0ft: moderately hard, mostly shell molds and casts                                                                                                                       |
|               |               |             | 3:03                      | 90%              | 60%              |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 1:30                      | (4.5)            | (3.0)            |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 1:07                      | 90%              | 60%              |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 2:00                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
| -84.3         | 83.0          | 5.0         | 1:51                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 1:26                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 1:55                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 0:24                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
| -89.3         | 88.0          | 5.0         | 0:43                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 1:22                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 2:01                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 1:35                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 1:03                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
| -94.3         | 93.0          | 5.0         | 1:09                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 0:45                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 1:02                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 0:37                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
| -99.3         | 98.0          | 5.0         | 0:27                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 1:07                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 0:57                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 0:27                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 0:15                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
| -104.3        | 103.0         | 5.0         | 0:45                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 0:45                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 0:40                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 0:43                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 0:45                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 0:30                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |
|               |               |             | 0:35                      |                  |                  |              |                  |                  |             |                                                                                                                                                                              |

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

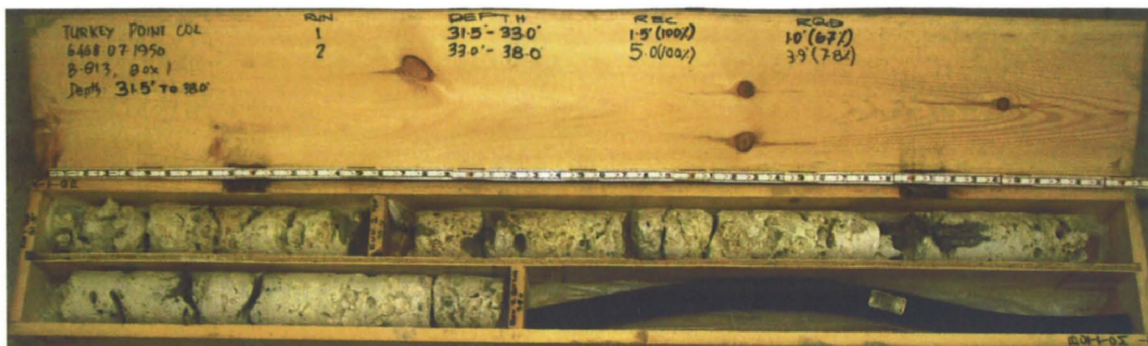


SHEET 2 OF 2

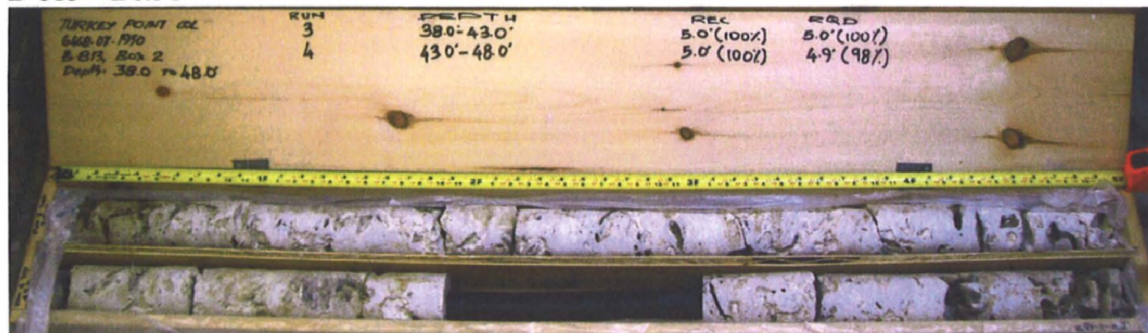
|                                    |                                    |                                   |                                                             |
|------------------------------------|------------------------------------|-----------------------------------|-------------------------------------------------------------|
| BECHTEL PROJECT NO.: 25409         | MACTEC PROJECT NO.: 6468-07-1950   | COUNTY: Miami-Dade                | GEOLOGIST: H. Lyatuu                                        |
| SITE DESCRIPTION: Turkey Point COL | DRILL MACHINE: CME-550 Marsh Buggy | DRILLER: D. White/ R. Hall        | GROUND WATER (ft)                                           |
| BORING NO.: B-813                  | DRILL METHOD: Mud Rotary/ Core     | SAMPLE METHODS: SPT/Core          | 0 HR. NA                                                    |
| GROUND ELEV.: -1.3 ft (NAVD88)     | NORTHING: 399,048 US ft (NAD83/90) | EASTING: 876,097 US ft (NAD83/90) | 24 HR. NA                                                   |
| TOTAL DEPTH: 126.5 ft              | CASING DEPTH: 6" to 15.0'          | HAMMER (ID): 140 lb. Auto (893)   |                                                             |
| DATE STARTED: 5/13/08              | COMPLETED: 5/15/08                 | CORE SIZE: PQ3                    | 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>% | STRATA<br>(ft)<br>% | LOG | DESCRIPTION AND REMARKS                                                                                                                                                                                                             |
|---------------|---------------|-------------|--------------------------------------|------------------|------------------|--------------|------------------|------------------|---------------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |               |             |                                      |                  |                  |              |                  |                  |                     |     | Continued from previous page                                                                                                                                                                                                        |
| -109.3        | 108.0         | 5.0         | 0:47<br>0:37                         | (4.5)<br>90%     | (2.5)<br>50%     | RUN-17       |                  |                  |                     |     | LIMESTONE, boundstone, white (10YR8/1), medium hard, moderately indurated, few vugs, fossiliferous, trace cemented sand, strong HCl reaction (Lower Fort Thompson Formation) (continued)<br>108.0ft: moderately hard to medium hard |
| -114.3        | 113.0         | 3.0         | 0:30<br>0:50<br>0:30<br>0:40<br>1:00 | (2.7)<br>90%     | (0.4)<br>13%     | RUN-18       |                  |                  |                     |     | 113.0ft: medium hard, few shell molds and casts                                                                                                                                                                                     |
| -117.3        | 116.0         | 2.0         | 0:33<br>0:21<br>0:50                 | (0.5)<br>25%     | (0.0)<br>0%      | RUN-19       |                  |                  |                     |     | 116.0ft: trace vugs                                                                                                                                                                                                                 |
| -119.3        | 118.0         | 5.0         | 1:08<br>0:48                         | (0.0)<br>0%      | (0.0)<br>0%      | RUN-20       | (0.0)<br>0%      | (NA)             |                     |     | Silty SAND (SM), greenish gray (10Y6/1), medium dense, wet, fine grained sand, strong HCl reaction (Tamiami Formation)                                                                                                              |
| -124.3        | 123.0         |             | 0:29<br>0:23<br>0:29<br>0:16<br>0:31 |                  |                  |              |                  |                  |                     |     | Coring Terminated at Elevation -124.3                                                                                                                                                                                               |

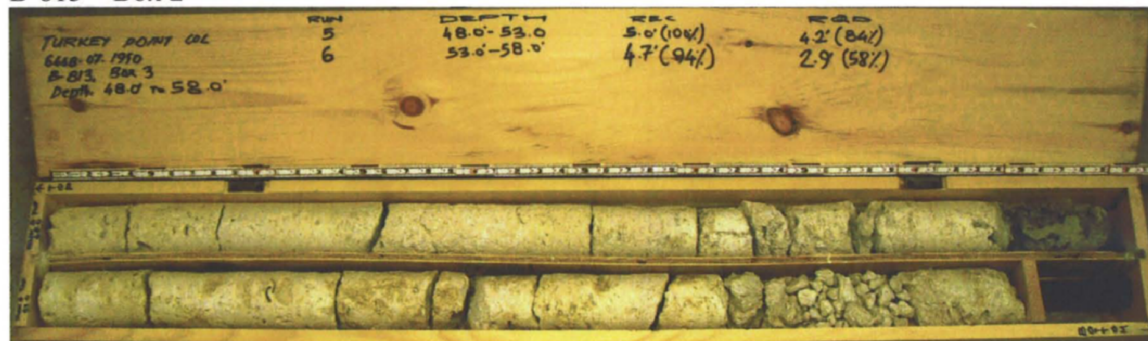
TURKEY POINT COL CORE TURKEY POINT GPI TURKEY POINT COL GDT 530'08



B-813 - Box 1



B-813 - Box 2

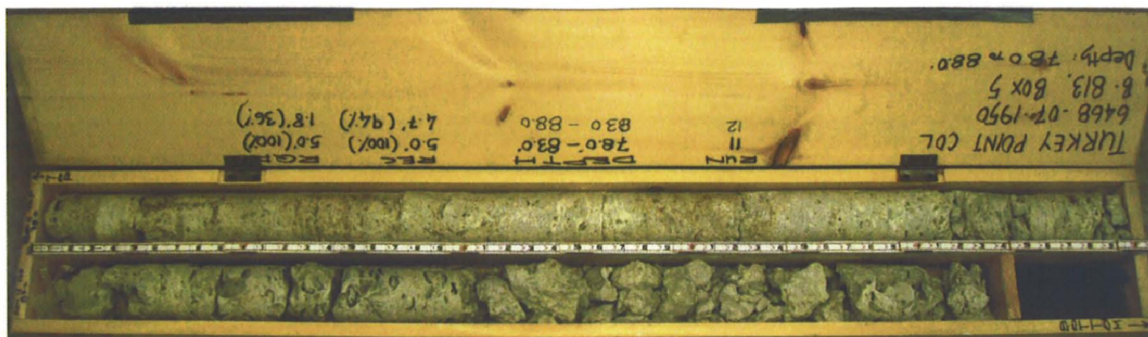


B-813 - Box 3

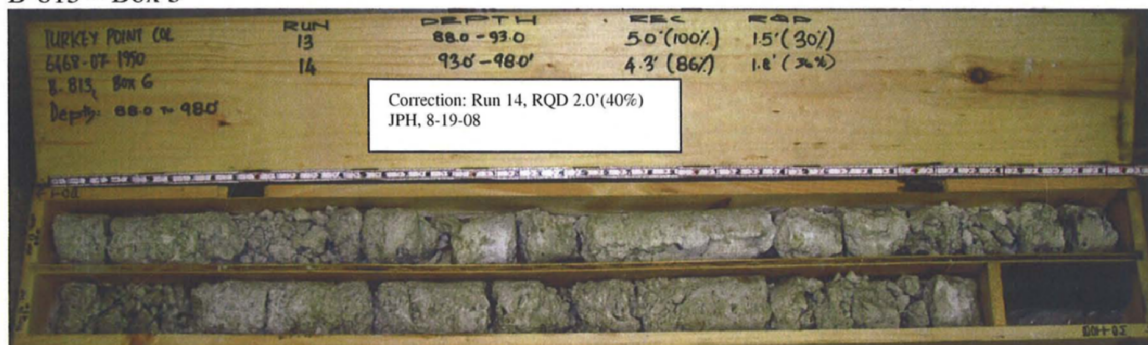


B-813 - Box 4





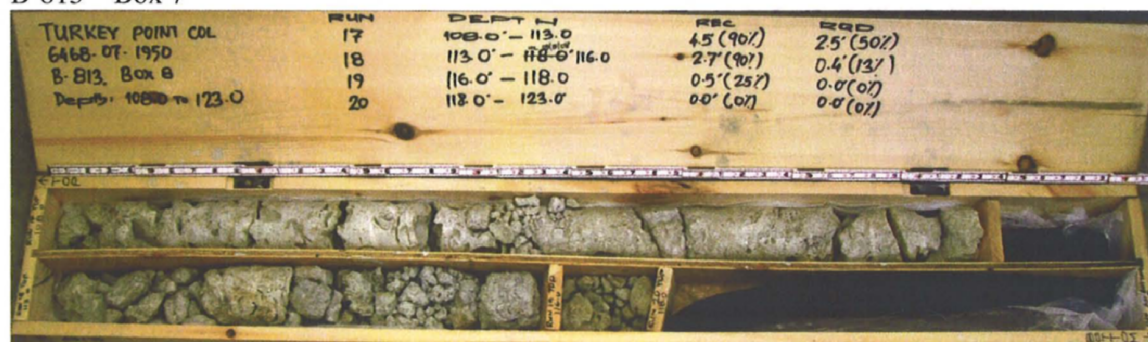
B-813 - Box 5



B-813 - Box 6



B-813 - Box 7



B-813 - Box 8



## GEOTECHNICAL BORING LOG

Prepared By JPZ Date 5-30-08Checked By JML Date 5-30-08

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-814                  |               |                                            |       | DRILL METHOD: Mud Rotary/ Core     |                |                               |    | SAMPLE METHODS: SPT/Core               |    |                                 |     | 0 HR. NA                  |                                                                                                                                                                                      |                                                                                                   |
| GROUND ELEV.: 9.0 ft (NAVD88)      |               |                                            |       | NORTHING: 399,139 US ft (NAD83/90) |                |                               |    | EASTING: 877,405 US ft (NAD83/90)      |    |                                 |     | 24 HR. NA                 |                                                                                                                                                                                      |                                                                                                   |
| TOTAL DEPTH: 153.2 ft              |               | BORING DIAMETER: 4" to 98.0', 3" to 153.2' |       |                                    |                | CASING DEPTH: 4" to 98.0'     |    |                                        |    | HAMMER (ID): 140 lb. Auto (M06) |     |                           |                                                                                                                                                                                      |                                                                                                   |
| DATE STARTED: 5/15/08              |               | COMPLETED: 5/18/08                         |       | 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 |                           |                                                                                                                                                                                      |                                                                                                   |
| 9.0                                |               |                                            |       |                                    | Ground Surface |                               |    |                                        |    |                                 |     | 9.0                       |                                                                                                                                                                                      |                                                                                                   |
| 9.0                                | 0.0           | 7                                          | 5     | 2                                  | 7              |                               |    |                                        |    |                                 |     | 814-1                     | POORLY GRADED SAND with gravel (SP), pale yellow (2.5Y8/2), dry, loose, some calcareous nodules, fine to medium grained sand, strong HCl reaction, limestone gravel (Spoil Material) |                                                                                                   |
| 6.3                                | 2.7           |                                            |       |                                    | 4              |                               |    |                                        |    |                                 |     | 814-2                     | 2.7ft: light gray (2.5Y7/2), very loose, medium grained sand                                                                                                                         |                                                                                                   |
| 4.3                                | 4.7           | 1                                          | 2     | 2                                  | 3              |                               |    |                                        |    |                                 |     | 814-3                     | POORLY GRADED GRAVEL (GP), pale yellow (2.5Y8/2), very loose, wet, trace fine grained sand, strong HCl reaction, limestone fragments (Spoil Material)                                |                                                                                                   |
| 2.1                                | 6.9           | 3                                          | 2     | 1                                  | 8              |                               |    |                                        |    |                                 |     | 814-4                     | 6.9ft: loose                                                                                                                                                                         |                                                                                                   |
| -0.7                               | 9.7           | 4                                          | 4     | 4                                  | 2              |                               |    |                                        |    |                                 |     | 814-5                     | 9.7ft: very loose                                                                                                                                                                    |                                                                                                   |
| -3.2                               | 12.2          | 6                                          | 1     | 1                                  | 10             |                               |    |                                        |    |                                 |     | 814-6                     | MUCK, black (2.5Y2.5/1), very soft, wet, strong HCl reaction, mostly organic                                                                                                         |                                                                                                   |
| -6.1                               | 15.1          | 1                                          | WOR   | WOR                                | 22             |                               |    |                                        |    |                                 |     | 814-7                     | POORLY GRADED SAND with gravel (SP), pale yellow (2.5Y8/2), medium dense, wet, fine grained sand, strong HCl reaction, limestone fragments (Miami Formation)                         |                                                                                                   |
|                                    |               | 3                                          | 6     | 16                                 |                |                               |    |                                        |    |                                 |     |                           | 814-8                                                                                                                                                                                | LIMESTONE, boundstone, light gray (2.5Y7/2), soft, wet, little sand, strong HCl reaction, oolitic |
| -13.1                              | 22.1          | 8                                          | 18    | 12                                 | 30             |                               |    |                                        |    |                                 |     |                           |                                                                                                                                                                                      |                                                                                                   |
| -18.8                              | 27.8          | 9                                          | 1     | 9                                  | 10             |                               |    |                                        |    |                                 |     | 814-9                     | 27.8ft: white (2.5Y8/1), very soft                                                                                                                                                   |                                                                                                   |
| -23.4                              | 32.4          | 3                                          | 2     | 1                                  | 3              |                               |    |                                        |    |                                 |     | 814-10                    | POORLY GRADED SAND (SP), white (2.5Y8/1), very loose, wet, oolitic, coarse grained sand, some fine gravel-sized limestone fragments, strong HCl reaction                             |                                                                                                   |
| -28.7                              | 37.7          | 3                                          | 7     | 8                                  | 15             |                               |    |                                        |    |                                 |     | 814-11                    | 37.7ft: medium dense, fine to coarse grained sand                                                                                                                                    |                                                                                                   |
| -33.7                              | 42.7          |                                            |       |                                    |                |                               |    |                                        |    |                                 |     | 814-12                    | LIMESTONE, boundstone, pale yellow (2.5Y8/2), hard, wet, some coarse grained sand, strong HCl (Upper Fort Thompson Formation)                                                        |                                                                                                   |
| -34.1                              | 43.1          | 50/0.4                                     |       |                                    |                |                               |    |                                        |    |                                 |     | RUN-1                     | 43.1ft: Switch sampling method to coring                                                                                                                                             |                                                                                                   |
| -37.1                              | 46.1          |                                            |       |                                    |                |                               |    |                                        |    |                                 |     | RUN-2                     | 43.1ft: medium hard to moderately hard, friable to moderately indurated, trace vugs                                                                                                  |                                                                                                   |
| -42.1                              | 51.1          |                                            |       |                                    |                |                               |    |                                        |    |                                 |     | RUN-3                     | 51.5ft: moderately hard to hard, moderately indurated to indurated                                                                                                                   |                                                                                                   |
| -47.1                              | 56.1          |                                            |       |                                    |                |                               |    |                                        |    |                                 |     | RUN-4                     | 56.1ft: few vugs, recrystallized calcite                                                                                                                                             |                                                                                                   |
| -52.1                              | 61.1          |                                            |       |                                    |                |                               |    |                                        |    |                                 |     | RUN-5                     | LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation)                                     |                                                                                                   |
| -57.1                              | 66.1          |                                            |       |                                    |                |                               |    |                                        |    |                                 |     | RUN-6                     |                                                                                                                                                                                      |                                                                                                   |
| -62.1                              | 71.1          |                                            |       |                                    |                |                               |    |                                        |    |                                 |     | RUN-7                     | 71.1ft: few fine grained sand, few vugs                                                                                                                                              |                                                                                                   |

TURKEY POINT COL BORE, TURKEY POINT COL.GPJ TURKEY POINT COL.GDT 5/30/08



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-814                  |               |            | DRILL METHOD: Mud Rotary/ Core             |       |                              | SAMPLE METHODS: SPT/Core               |    |    | 0 HR. NA                        |     |              |     |                                                                                                                                                              |
| GROUND ELEV.: 9.0 ft (NAVD88)      |               |            | NORTHING: 399,139 US ft (NAD83/90)         |       |                              | EASTING: 877,405 US ft (NAD83/90)      |    |    | 24 HR. NA                       |     |              |     |                                                                                                                                                              |
| TOTAL DEPTH: 153.2 ft              |               |            | BORING DIAMETER: 4" to 98.0", 3" to 153.2' |       |                              | CASING DEPTH: 4" to 98.0'              |    |    | HAMMER (ID): 140 lb. Auto (M06) |     |              |     |                                                                                                                                                              |
| DATE STARTED: 5/15/08              |               |            | COMPLETED: 5/18/08                         |       |                              | 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 |              |     |                                                                                                                                                              |
| -65.8                              |               |            |                                            |       | Continued from previous page |                                        |    |    |                                 |     |              |     |                                                                                                                                                              |
| -67.1                              | 76.1          |            |                                            |       |                              |                                        |    |    |                                 |     | RUN-8        |     | LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation) (continued) |
| -72.1                              | 81.1          |            |                                            |       |                              |                                        |    |    |                                 |     | RUN-9        |     | 76.1ft: moderately hard to hard, moderately indurated to indurated, trace vugs                                                                               |
| -77.1                              | 86.1          |            |                                            |       |                              |                                        |    |    |                                 |     | 814-13       |     | 77.0 to 99.0ft: interbedded sand layers                                                                                                                      |
| -78.6                              | 87.6          | WOH        | WOH                                        | WOH   |                              |                                        |    |    |                                 |     | RUN-10       |     | 81.0ft: hard, indurated, some sand                                                                                                                           |
| -82.1                              | 91.1          |            |                                            |       |                              |                                        |    |    |                                 |     | RUN-11       |     | 86.1ft: Switch sampling method to SPT                                                                                                                        |
| -87.1                              | 96.1          |            |                                            |       |                              |                                        |    |    |                                 |     | 814-14       |     | 86.1ft: interbedded sand, very loose, fine grained sand, wet, strong HCl reaction                                                                            |
| -92.9                              | 101.9         | 49         | 24                                         | 46    |                              |                                        |    |    |                                 |     | 50/0.5       |     | 87.6ft: Switch sampling method to coring                                                                                                                     |
| -102.7                             | 111.7         |            |                                            |       |                              |                                        |    |    |                                 |     | 814-15       |     | 87.6 to 88.1ft: rod drop                                                                                                                                     |
| -112.7                             | 121.7         | 7          | 21                                         | 9     |                              |                                        |    |    |                                 |     | 814-16       |     | 88.1ft: moderately hard, moderately indurated                                                                                                                |
| -122.7                             | 131.7         | 23         | 20                                         | 13    |                              |                                        |    |    |                                 |     | 814-17       |     | 96.1ft: Switch sampling method SPT                                                                                                                           |
| -132.7                             | 141.7         | 11         | 7                                          | 10    |                              |                                        |    |    |                                 |     | 814-18       |     | 96.1 to 99.0ft: POORLY GRADED SAND (SP), fine to coarse grained                                                                                              |
|                                    |               | 7          | 7                                          | 9     |                              |                                        |    |    |                                 |     | 814-19       |     | 101.9ft: LIMESTONE, hard, some sand                                                                                                                          |
|                                    |               |            |                                            |       |                              |                                        |    |    |                                 |     |              |     | 111.7ft: soft                                                                                                                                                |
|                                    |               |            |                                            |       |                              |                                        |    |    |                                 |     |              |     | 121.7ft: moderately hard                                                                                                                                     |
|                                    |               |            |                                            |       |                              |                                        |    |    |                                 |     |              |     | 126.0                                                                                                                                                        |
|                                    |               |            |                                            |       |                              |                                        |    |    |                                 |     |              |     | POORLY GRADED SAND (SP), pale yellow (5Y7/4), medium dense, wet, fine grained sand, trace limestone fragments, strong HCl reaction (Tamiami Formation)       |
|                                    |               |            |                                            |       |                              |                                        |    |    |                                 |     |              |     | 141.1ft: greenish gray (10Y5/1)                                                                                                                              |

TURKEY POINT COL BORE TURKEY POINT COL GDT 5/30/08