



SHEET 1 OF 2

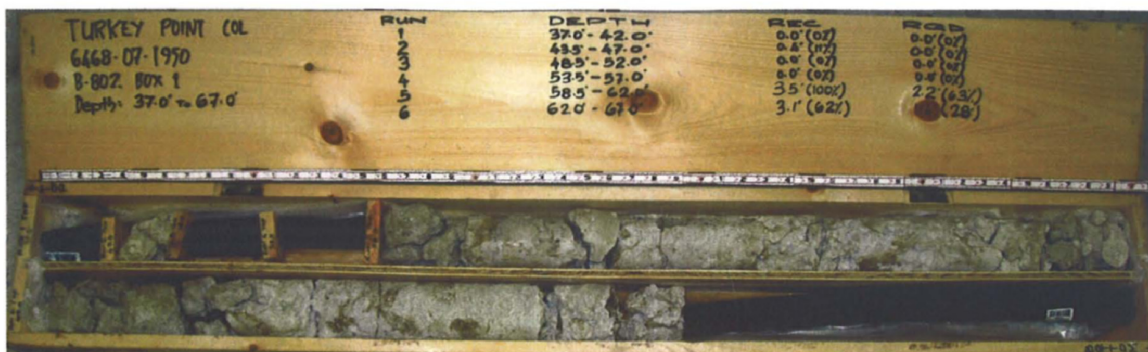
|                                    |               |                   |                                          |                                    |              |                                                             |               |                                   |  |                                 |             |                                                                                                                                                                                                                                                                                               |  |
|------------------------------------|---------------|-------------------|------------------------------------------|------------------------------------|--------------|-------------------------------------------------------------|---------------|-----------------------------------|--|---------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 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-802                  |               |                   |                                          | DRILL METHOD: Mud Rotary/ Core     |              |                                                             |               | SAMPLE METHODS: SPT/Core          |  |                                 |             | 0 HR. NA                                                                                                                                                                                                                                                                                      |  |
| GROUND ELEV.: -1.5 ft (NAVD88)     |               |                   |                                          | NORTHING: 398,817 US ft (NAD83/90) |              |                                                             |               | EASTING: 876,266 US ft (NAD83/90) |  |                                 |             | 24 HR. NA                                                                                                                                                                                                                                                                                     |  |
| TOTAL DEPTH: 128.5 ft              |               |                   |                                          | CASING DEPTH: 6" to 35.0'          |              |                                                             |               |                                   |  | HAMMER (ID): 140 lb. Auto (893) |             |                                                                                                                                                                                                                                                                                               |  |
| DATE STARTED: 4/23/08              |               | COMPLETED: 5/2/08 |                                          | 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<br>REC<br>(ft)<br>%            |              | RQD<br>(ft)<br>%                                            | SAMP.<br>NO.  | STRATA<br>REC<br>(ft)<br>%        |  | RQD<br>(ft)<br>%                | L<br>O<br>G | DESCRIPTION AND REMARKS                                                                                                                                                                                                                                                                       |  |
| Begin Coring @ 37.0 ft             |               |                   |                                          |                                    |              |                                                             |               |                                   |  |                                 |             |                                                                                                                                                                                                                                                                                               |  |
| -38.5                              | 37.0          | 5.0               | 1.13<br>1.32<br>1.02<br>0.31<br>1.53     | (0.0)<br>0%                        | (0.0)<br>0%  | RUN-1                                                       | (36.6)<br>47% | (14.6)<br>19%                     |  |                                 |             | LIMESTONE, boundstone, white (10YR8/1), soft, wet, fossiliferous, strong HCl reaction (Fort Thompson Formation) (continued)<br>37.0ft: Alternate sampling method between coring and SPT                                                                                                       |  |
| -43.5                              | 42.0          |                   | N=49                                     |                                    |              | 802-12                                                      |               |                                   |  |                                 |             | 42.0ft: moderately hard                                                                                                                                                                                                                                                                       |  |
| -45.0                              | 43.5          | 3.5               | 1.11<br>1.00<br>0.43                     | (0.4)<br>11%                       | (0.0)<br>0%  | RUN-2                                                       |               |                                   |  |                                 |             | 43.5ft: medium hard, moderately indurated, few vugs, fossiliferous, recrystallized calcite, little sand                                                                                                                                                                                       |  |
| -48.5                              | 47.0          |                   | 0:54/0.5<br>N=32                         |                                    |              | 802-13                                                      |               |                                   |  |                                 |             | 47.0ft: friable                                                                                                                                                                                                                                                                               |  |
| -50.0                              | 48.5          | 3.5               | 2.27<br>1.24<br>0.52                     | (0.0)<br>0%                        | (0.0)<br>0%  | RUN-3                                                       |               |                                   |  |                                 |             |                                                                                                                                                                                                                                                                                               |  |
| -53.5                              | 52.0          |                   | 1.00/0.5<br>N=64                         |                                    |              | 802-14                                                      |               |                                   |  |                                 |             | 52.0ft: hard                                                                                                                                                                                                                                                                                  |  |
| -55.0                              | 53.5          | 3.5               | 1.40<br>0:59<br>0:58                     | (0.0)<br>0%                        | (0.0)<br>0%  | RUN-4                                                       |               |                                   |  |                                 |             |                                                                                                                                                                                                                                                                                               |  |
| -58.5                              | 57.0          |                   | 0.20/0.5<br>N=18                         |                                    |              | 802-15                                                      |               |                                   |  |                                 |             | 57.0ft: very soft                                                                                                                                                                                                                                                                             |  |
| -60.0                              | 58.5          | 3.5               | 1.20<br>1.21<br>1.22                     | (3.5)<br>100%                      | (2.2)<br>63% | RUN-5                                                       |               |                                   |  |                                 |             | 58.5ft: moderately hard to medium hard, moderately indurated, little vugs, trace fine grained sand                                                                                                                                                                                            |  |
| -63.5                              | 62.0          |                   | 0.35/0.5                                 |                                    |              |                                                             |               |                                   |  |                                 |             |                                                                                                                                                                                                                                                                                               |  |
|                                    |               | 5.0               | 1.15<br>1.24<br>0:53<br>0:22<br>0.11     | (3.1)<br>62%                       | (1.4)<br>28% | RUN-6                                                       |               |                                   |  |                                 |             | 62.0ft: medium hard, few vugs                                                                                                                                                                                                                                                                 |  |
| -68.5                              | 67.0          |                   |                                          |                                    |              |                                                             |               |                                   |  |                                 |             |                                                                                                                                                                                                                                                                                               |  |
|                                    |               | 5.0               | 0:25<br>1:00<br>1:45<br>1:00<br>1:45     | (4.5)<br>90%                       | (1.2)<br>24% | RUN-7                                                       |               |                                   |  |                                 |             | 67.0ft: little vugs, coralline                                                                                                                                                                                                                                                                |  |
| -73.5                              | 72.0          |                   |                                          |                                    |              |                                                             |               |                                   |  |                                 |             |                                                                                                                                                                                                                                                                                               |  |
|                                    |               | 5.0               | 2:10<br>1:30<br>1:40<br>1:00<br>1:20     | (0.4)<br>8%                        | (0.0)<br>0%  | RUN-8                                                       |               |                                   |  |                                 |             | 72.0ft: trace vugs                                                                                                                                                                                                                                                                            |  |
| -78.5                              | 77.0          |                   | N=91                                     |                                    |              | 802-16                                                      |               |                                   |  |                                 |             | 77.0ft: hard                                                                                                                                                                                                                                                                                  |  |
| -80.0                              | 78.5          | 3.5               | 1:06<br>1:26<br>0:56                     | (0.8)<br>23%                       | (0.0)<br>0%  | RUN-9                                                       |               |                                   |  |                                 |             | 78.5ft: medium hard                                                                                                                                                                                                                                                                           |  |
| -83.5                              | 82.0          |                   | 0:46/0.5                                 |                                    |              |                                                             |               |                                   |  |                                 |             |                                                                                                                                                                                                                                                                                               |  |
| -84.0                              | 82.5          | 4.5               | N=50/0.5<br>1:05<br>1:00<br>0:30<br>1:02 | (4.5)<br>100%                      | (2.0)<br>44% | 802-17<br>RUN-10                                            |               |                                   |  |                                 |             | 82.0ft: hard<br>82.5 to 83.0ft: silty sand, then LIMESTONE, medium hard, few vugs                                                                                                                                                                                                             |  |
| -88.5                              | 87.0          |                   | 0.40/0.5                                 |                                    |              |                                                             |               |                                   |  |                                 |             |                                                                                                                                                                                                                                                                                               |  |
|                                    |               | 5.0               | 1:21<br>1:52<br>3:13<br>0:44<br>4:17     | (5.0)<br>100%                      | (1.3)<br>26% | RUN-11                                                      |               |                                   |  |                                 |             | 87.0 to 89.0ft: silty sand, greenish gray (5BG6/1), dense wet calcareous, trace shell fragments, strong HCl reaction<br>89.0ft: LIMESTONE, boundstone, white (10YR8/1), medium hard, interbedded soft friable limestone, moderately indurated, trace vugs, fossiliferous, strong HCl reaction |  |
| -93.5                              | 92.0          |                   |                                          |                                    |              |                                                             |               |                                   |  |                                 |             |                                                                                                                                                                                                                                                                                               |  |
|                                    |               | 5.0               | 1:10<br>0:17<br>0:33<br>0:51<br>0:46     | (0.0)<br>0%                        | (0.0)<br>0%  | RUN-12                                                      |               |                                   |  |                                 |             |                                                                                                                                                                                                                                                                                               |  |
| -98.5                              | 97.0          |                   | N=70                                     |                                    |              | 802-18A&B                                                   |               |                                   |  |                                 |             | 97.0ft: hard, little fine grained sand                                                                                                                                                                                                                                                        |  |
| -100.0                             | 98.5          | 3.5               | 3:48<br>6:18<br>6:28                     | (3.0)<br>86%                       | (0.6)<br>17% | RUN-13                                                      |               |                                   |  |                                 |             | 98.5ft: soft to moderately hard, friable to moderately indurated, trace vugs, little shell casts, trace fine grained sand                                                                                                                                                                     |  |
| -103.5                             | 102.0         |                   | 1.38/0.5                                 |                                    |              |                                                             |               |                                   |  |                                 |             |                                                                                                                                                                                                                                                                                               |  |
|                                    |               | 5.0               | 4:10<br>3:10<br>2:00<br>1:50<br>6:40     | (5.0)<br>100%                      | (3.5)<br>70% | RUN-14                                                      |               |                                   |  |                                 |             | 102.0ft: soft to medium hard, few vugs, most shell casts                                                                                                                                                                                                                                      |  |
| -108.5                             | 107.0         |                   |                                          |                                    |              |                                                             |               |                                   |  |                                 |             |                                                                                                                                                                                                                                                                                               |  |
|                                    |               | 5.0               | 1:49<br>1:08<br>1:47<br>3:06<br>1:55     | (4.9)<br>98%                       | (2.4)<br>48% | RUN-15                                                      |               |                                   |  |                                 |             | 107.0ft: little vugs                                                                                                                                                                                                                                                                          |  |
| -113.5                             | 112.0         |                   |                                          |                                    |              |                                                             |               |                                   |  |                                 |             |                                                                                                                                                                                                                                                                                               |  |

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

|                                    |                   |                                    |                                                             |                                   |                                 |
|------------------------------------|-------------------|------------------------------------|-------------------------------------------------------------|-----------------------------------|---------------------------------|
| 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 |                                                             |                                   | GROUND WATER (ft)               |
| BORING NO.: B-802                  |                   | DRILLER: D. White/ R. Hall         |                                                             |                                   |                                 |
| BORING NO.: B-802                  |                   | DRILL METHOD: Mud Rotary/ Core     |                                                             | SAMPLE METHODS: SPT/Core          |                                 |
| GROUND ELEV.: -1.5 ft (NAVD88)     |                   | NORTHING: 398,817 US ft (NAD83/90) |                                                             | EASTING: 876,266 US ft (NAD83/90) |                                 |
| TOTAL DEPTH: 128.5 ft              |                   | CASING DEPTH: 6" to 35.0'          |                                                             |                                   | HAMMER (ID): 140 lb. Auto (893) |
| DATE STARTED: 4/23/08              | COMPLETED: 5/2/08 | 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>% |             |                                                                                                                                                       |
|               |               |             |                           |                  |                  |              |                  |                  |             | Continued from previous page                                                                                                                          |
|               |               | 5.0         | 1:50                      | (1.5)            | (0.0)            | RUN-16       |                  |                  |             | LIMESTONE, boundstone, white (10YR8/1), soft, wet, fossiliferous, strong HCl reaction (Fort Thompson Formation) <i>(continued)</i> <i>(continued)</i> |
|               |               |             | 2:10                      | 30%              | 0%               |              |                  |                  |             | 112.0ft: gray (10YR7/2), medium hard to soft, moderately indurated to friable,                                                                        |
|               |               |             | 2:00                      |                  |                  |              |                  |                  |             | trace vugs, little fine grained sand                                                                                                                  |
|               |               |             | 1:00                      |                  |                  |              | (0.0)            | (NA)             |             |                                                                                                                                                       |
| -118.5        | 117.0         |             | 1:30                      |                  |                  |              | 0%               |                  |             | Silty SAND (SM), light gray (5Y7/2), medium dense, wet, fine grained sand, trace cemented sand, weak HCl reaction (Tamiami Formation)                 |
|               |               |             |                           |                  |                  |              |                  |                  |             | Coring Terminated at Elevation -TBD                                                                                                                   |

TURKEY POINT COL CORE: TURKEY POINT.GPJ TURKEY POINT COL.GDT 8-14-08



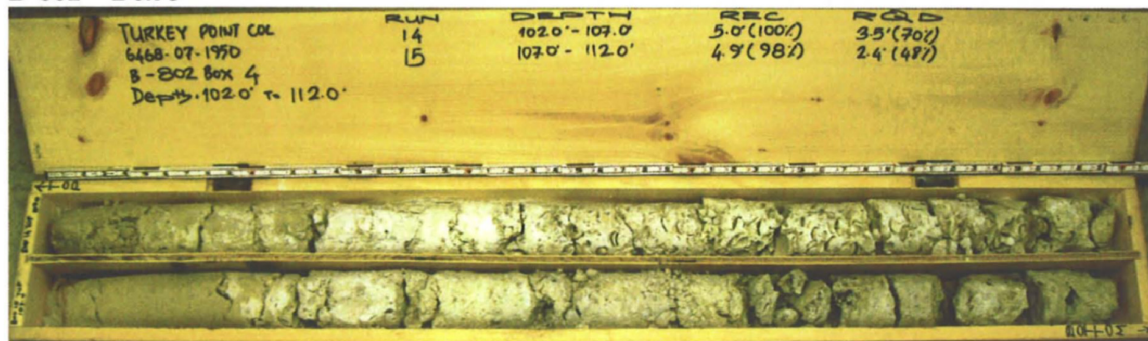
B-802- Box 1



B-802 - Box 2



B-802 - Box 3



B-802 - Box 4