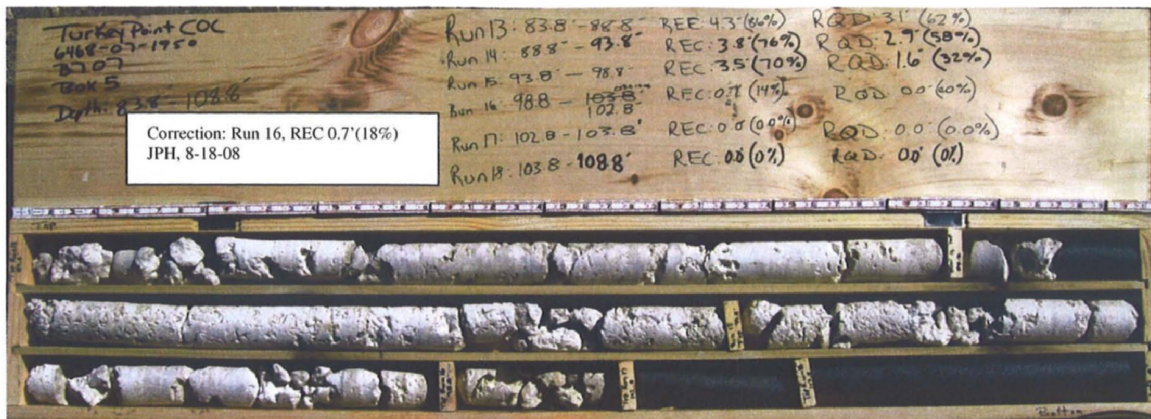




B-707 - Box 5



## GEOTECHNICAL BORING LOG

Prepared By 272 Date 5-30-08Checked By 1112 Date 5-30-08

SHEET 1 OF 4

|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
|------------------------------------|---------------|------------|--------|------------------------------------|----------------|----|----|----------------------------------------|----|-----|--------------|-------------------------------|-----|---------------------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| BECHTEL PROJECT NO.: 25409         |               |            |        | MACTEC PROJECT NO.: 6468-07-1950   |                |    |    | COUNTY: Miami-Dade                     |    |     |              | GEOLOGIST: C. Burroughs       |     |                           |     |                                                                                                                                                        |
| SITE DESCRIPTION: Turkey Point COL |               |            |        | DRILL MACHINE: CME-750 (Miller)    |                |    |    | DRILLER: G.Bilbrey/P.McKorkle/J.Tucker |    |     |              | GROUND WATER (ft)             |     |                           |     |                                                                                                                                                        |
| BORING NO.: B-708(DH)              |               |            |        | DRILL METHOD: Mud Rotary/ Core     |                |    |    | SAMPLE METHODS: SPT/Core               |    |     |              | 0 HR. NA                      |     |                           |     |                                                                                                                                                        |
| GROUND ELEV.: -1.4 ft (NAVD88)     |               |            |        | NORTHING: 396,830 US ft (NAD83/90) |                |    |    | EASTING: 875,886 US ft (NAD83/90)      |    |     |              | 24 HR. NA                     |     |                           |     |                                                                                                                                                        |
| TOTAL DEPTH: 266.5 ft              |               |            |        | BORING DIAMETER: 4" to 266.5'      |                |    |    | CASING DEPTH: 4" to 105.8'             |    |     |              | HAMMER (ID):140 lb. Auto (07) |     |                           |     |                                                                                                                                                        |
| DATE STARTED: 3/7/08               |               |            |        | COMPLETED: 3/13/08                 |                |    |    | CORE SIZE: HQ3                         |    |     |              | BITS USED: 3 7/8" Roller Cone |     |                           |     |                                                                                                                                                        |
| ELEV.<br>(ft)                      | DEPTH<br>(ft) | BLOW COUNT |        |                                    | BLOWS PER FOOT |    |    |                                        |    |     | SAMP.<br>NO. | MOI                           | LOG | SOIL AND ROCK DESCRIPTION |     |                                                                                                                                                        |
|                                    |               | 0.5ft      | 0.5ft  | 0.5ft                              | 0              | 20 | 40 | 60                                     | 80 | 100 |              |                               |     |                           |     |                                                                                                                                                        |
| -1.4                               |               |            |        |                                    | Ground Surface |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
| -1.4                               | 0.0           | WOH        | WOH    | WOH                                | •0             |    |    |                                        |    |     |              |                               |     | -1.4                      | 0.0 | MUCK, dark gray brown (10YR4/2), to black (10YR2/1), moist, mostly organic, strong HCl reaction                                                        |
| -4.0                               | 2.6           |            |        |                                    |                |    |    |                                        |    |     |              |                               |     | -3.9                      | 2.5 |                                                                                                                                                        |
| -6.4                               | 5.0           | 11         | 22     | 23                                 |                |    |    |                                        |    |     |              |                               |     |                           |     | LIMESTONE, boundstone, gray (10YR6/1), to white (10YR8/1), medium hard, wet, strong HCl reaction, oolitic (Miami Formation)                            |
| -9.4                               | 8.0           | 10         | 10     | 6                                  | •16            |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
| -11.0                              | 9.6           | 6          | 20     | 13                                 | •33            |    |    |                                        |    |     |              |                               |     |                           |     | 5.0ft: white (10YR8/1), very soft                                                                                                                      |
| -14.4                              | 13.0          | 3          | 12     | 15                                 | •27            |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
| -16.9                              | 15.5          | 11         | 50/0.5 |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     | 8.0ft: light gray (10YR7/1), to white (10YR8/1), medium hard                                                                                           |
| -21.9                              | 20.5          | 10         | 50/0.5 |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
|                                    |               | 9          | 6      | 7                                  | •13            |    |    |                                        |    |     |              |                               |     |                           |     | 9.6ft: soft                                                                                                                                            |
| -27.0                              | 25.6          |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
| -27.5                              | 26.1          | 50/0.5     |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     | 13.0ft: hard, fossiliferous                                                                                                                            |
| -31.8                              | 30.4          |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
| -36.8                              | 35.4          |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     | 20.5ft: white (10YR8/1), very soft                                                                                                                     |
| -41.8                              | 40.4          |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
| -46.8                              | 45.4          |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     | LIMESTONE, boundstone, white (10YR8/1), hard, wet, strong HCl reaction (Upper Fort Thompson Formation)                                                 |
| -51.8                              | 50.4          |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
| -56.8                              | 55.4          |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     | 26.1ft: Switched sampling method to coring                                                                                                             |
| -61.8                              | 60.4          |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
| -66.8                              | 65.4          |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     | 26.1ft: white (10YR8/1), with gray (10YR6/1), medium hard, moderately indurated, fossiliferous, recrystallized calcite, coralline, little to some vugs |
| -71.8                              | 70.4          |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
| -76.3                              | 74.9          |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     | 27.0ft: loss of circulation                                                                                                                            |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     | 35.4ft: medium hard to hard, moderately indurated to indurated, little vugs                                                                            |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     | 40.4ft: white (10YR8/1), hard, indurated, few vugs                                                                                                     |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     | 45.4 to 47.6ft: gray (10YR6/1), trace vugs                                                                                                             |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     | LIMESTONE, boundstone, white (10YR8/1), hard, indurated, trace vugs, strong HCl reaction (Lower Fort Thompson Formation)                               |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     | 53.3ft: moderately hard, moderately indurated, trace to few shell molds and casts                                                                      |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     | 55.4ft: hard, indurated                                                                                                                                |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     | 60.4ft: moderately hard to hard, moderately indurated to indurated                                                                                     |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     | 63.0 to 65.4ft: friable, fractured                                                                                                                     |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     | 65.4ft: indurated, sandy, coralline                                                                                                                    |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     | 70.4ft: hard                                                                                                                                           |
|                                    |               |            |        |                                    |                |    |    |                                        |    |     |              |                               |     |                           |     |                                                                                                                                                        |

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



SHEET 2 OF 4

| BECHTEL PROJECT NO.: 25409         |               | MACTEC PROJECT NO.: 6468-07-1950   |       | COUNTY: Miami-Dade                     |                              | GEOLOGIST: C. Burroughs        |    |    |    |              |     |                           |                                                                                                                                      |
|------------------------------------|---------------|------------------------------------|-------|----------------------------------------|------------------------------|--------------------------------|----|----|----|--------------|-----|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| SITE DESCRIPTION: Turkey Point COL |               | DRILL MACHINE: CME-750 (Miller)    |       | DRILLER: G.Bilbrey/P.McKorkle/J.Tucker |                              | GROUND WATER (ft)              |    |    |    |              |     |                           |                                                                                                                                      |
| BORING NO.: B-708(DH)              |               | DRILL METHOD: Mud Rotary/ Core     |       | SAMPLE METHODS: SPT/Core               |                              | 0 HR. NA                       |    |    |    |              |     |                           |                                                                                                                                      |
| GROUND ELEV.: -1.4 ft (NAVD88)     |               | NORTHING: 396,830 US ft (NAD83/90) |       | EASTING: 875,886 US ft (NAD83/90)      |                              | 24 HR. NA                      |    |    |    |              |     |                           |                                                                                                                                      |
| TOTAL DEPTH: 266.5 ft              |               | BORING DIAMETER: 4" to 266.5'      |       | CASING DEPTH: 4" to 105.8'             |                              | HAMMER (ID): 140 lb. Auto (07) |    |    |    |              |     |                           |                                                                                                                                      |
| DATE STARTED: 3/7/08               |               | COMPLETED: 3/13/08                 |       | CORE SIZE: HQ3                         |                              | BITS USED: 3 7/8" Roller Cone  |    |    |    |              |     |                           |                                                                                                                                      |
| ELEV.<br>(ft)                      | DEPTH<br>(ft) | BLOW COUNT                         |       |                                        | BLOWS PER FOOT               |                                |    |    |    | SAMP.<br>NO. | LOG | SOIL AND ROCK DESCRIPTION |                                                                                                                                      |
|                                    |               | 0.5ft                              | 0.5ft | 0.5ft                                  | 0                            | 20                             | 40 | 60 | 80 | 100          | MOI |                           |                                                                                                                                      |
| -76.2                              |               |                                    |       |                                        | Continued from previous page |                                |    |    |    |              |     |                           |                                                                                                                                      |
| -81.9                              | 80.5          |                                    |       |                                        |                              |                                |    |    |    |              |     |                           | LIMESTONE, boundstone, white (10YR8/1), hard, indurated, trace vugs, strong HCl reaction (Lower Fort Thompson Formation) (continued) |
| -86.9                              | 85.5          |                                    |       |                                        |                              |                                |    |    |    |              |     |                           | 80.5ft: moderately hard, moderately indurated, trace to few shell molds and casts                                                    |
| -91.9                              | 90.5          |                                    |       |                                        |                              |                                |    |    |    |              |     |                           | 85.5ft: moderately hard to hard, moderately indurated to indurated                                                                   |
| -96.9                              | 95.5          |                                    |       |                                        |                              |                                |    |    |    |              |     |                           |                                                                                                                                      |
| -101.9                             | 100.5         |                                    |       |                                        |                              |                                |    |    |    |              |     |                           | 100.5ft: hard, indurated, little shell molds and casts                                                                               |
| -106.9                             | 105.5         |                                    |       |                                        |                              |                                |    |    |    |              |     |                           |                                                                                                                                      |
| -111.9                             | 110.5         |                                    |       |                                        |                              |                                |    |    |    |              |     |                           |                                                                                                                                      |
| -116.9                             | 115.5         | 12                                 | 10    | 16                                     |                              |                                |    |    |    |              |     |                           | 115.5ft: Switch sampling method to SPT                                                                                               |
| -127.4                             | 126.0         | 8                                  | 10    | 13                                     |                              |                                |    |    |    |              |     |                           | 126.0ft: greenish gray (10Y6/1), trace shell fragments                                                                               |
| -136.9                             | 135.5         | 8                                  | 11    | 8                                      |                              |                                |    |    |    |              |     |                           | 135.5ft: trace shell fragments                                                                                                       |
| -144.1                             | 142.7         | 13                                 | 14    | 15                                     |                              |                                |    |    |    |              |     |                           |                                                                                                                                      |

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



SHEET 3 OF 4

|                                    |  |                                    |  |                                        |  |                                |  |
|------------------------------------|--|------------------------------------|--|----------------------------------------|--|--------------------------------|--|
| BECHTEL PROJECT NO.: 25409         |  | MACTEC PROJECT NO.: 6468-07-1950   |  | COUNTY: Miami-Dade                     |  | GEOLOGIST: C. Burroughs        |  |
| SITE DESCRIPTION: Turkey Point COL |  | DRILL MACHINE: CME-750 (Miller)    |  | DRILLER: G.Bilbrey/P.McKorkle/J.Tucker |  | GROUND WATER (ft)              |  |
| BORING NO.: B-708(DH)              |  | DRILL METHOD: Mud Rotary/ Core     |  | SAMPLE METHODS: SPT/Core               |  | 0 HR. NA                       |  |
| GROUND ELEV.: -1.4 ft (NAVD88)     |  | NORTHING: 396,830 US ft (NAD83/90) |  | EASTING: 875,886 US ft (NAD83/90)      |  | 24 HR. NA                      |  |
| TOTAL DEPTH: 266.5 ft              |  | BORING DIAMETER: 4" to 266.5'      |  | CASING DEPTH: 4" to 105.8'             |  | HAMMER (ID): 140 lb. Auto (07) |  |
| DATE STARTED: 3/7/08               |  | COMPLETED: 3/13/08                 |  | CORE SIZE: HQ3                         |  | BITS USED: 3 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 |              |     |                                                                                                                                              |
| -151.0        |               |            |       |       | Continued from previous page |    |    |    |    |     |              |     |                                                                                                                                              |
| -154.3        | 152.9         | 6          | 8     | 12    | ●20                          |    |    |    |    |     | 708(DH)-14   |     | Silty SAND (SM), light gray (5Y7/1), medium dense, wet, fine grained sand, little fines, strong HCl reaction (Tamiami Formation) (continued) |
| -164.4        | 163.0         | 6          | 14    | 10    | ●24                          |    |    |    |    |     | 708(DH)-15   |     |                                                                                                                                              |
| -174.4        | 173.0         | 1          | 2     | 6     | ●8                           |    |    |    |    |     | 708(DH)-16   |     | 173.0ft: loose                                                                                                                               |
| -184.4        | 183.0         | 2          | 2     | 6     | ●8                           |    |    |    |    |     | 708(DH)-17   |     |                                                                                                                                              |
| -194.4        | 193.0         | 1          | 2     | 4     | ●6                           |    |    |    |    |     | 708(DH)-18   |     | 193.0ft: weak HCl reaction                                                                                                                   |
| -204.4        | 203.0         | 3          | 3     | 4     | ●7                           |    |    |    |    |     | 708(DH)-19   |     |                                                                                                                                              |
| -214.4        | 213.0         | 3          | 5     | 8     | ●13                          |    |    |    |    |     | 708(DH)-20   |     | 213.0ft: medium dense, strong HCl reaction                                                                                                   |
| -224.4        | 223.0         | 9          | 8     | 5     | ●13                          |    |    |    |    |     | 708(DH)-21   |     | Silty SAND (SM), greenish gray (10Y5/1), medium dense, moist, fine grained sand, little fines, strong HCl reaction (Hawthorn Group)          |

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





SHEET 4 OF 4

| BECHTEL PROJECT NO.: 25409         |               |            | MACTEC PROJECT NO.: 6468-07-1950   |       |                              | COUNTY: Miami-Dade                     |    |    | GEOLOGIST: C. Burroughs        |              |     |                           |                                                                                                                                                 |
|------------------------------------|---------------|------------|------------------------------------|-------|------------------------------|----------------------------------------|----|----|--------------------------------|--------------|-----|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| SITE DESCRIPTION: Turkey Point COL |               |            | DRILL MACHINE: CME-750 (Miller)    |       |                              | DRILLER: G.Bilbrey/P.McKorkle/J.Tucker |    |    | GROUND WATER (ft)              |              |     |                           |                                                                                                                                                 |
| BORING NO.: B-708(DH)              |               |            | DRILL METHOD: Mud Rotary/ Core     |       |                              | SAMPLE METHODS: SPT/Core               |    |    | 0 HR. NA                       |              |     |                           |                                                                                                                                                 |
| GROUND ELEV.: -1.4 ft (NAVD88)     |               |            | NORTHING: 396,830 US ft (NAD83/90) |       |                              | EASTING: 875,886 US ft (NAD83/90)      |    |    | 24 HR. NA                      |              |     |                           |                                                                                                                                                 |
| TOTAL DEPTH: 266.5 ft              |               |            | BORING DIAMETER: 4" to 266.5'      |       |                              | CASING DEPTH: 4" to 105.8'             |    |    | HAMMER (ID): 140 lb. Auto (07) |              |     |                           |                                                                                                                                                 |
| DATE STARTED: 3/7/08               |               |            | COMPLETED: 3/13/08                 |       |                              | CORE SIZE: HQ3                         |    |    | BITS USED: 3 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 |                           |                                                                                                                                                 |
| -225.8                             |               |            |                                    |       | Continued from previous page |                                        |    |    |                                |              |     |                           |                                                                                                                                                 |
| -234.4                             | 233.0         | 7          | 12                                 | 16    |                              |                                        |    |    |                                | 708(DH)-22   |     |                           | Silty SAND (SM), greenish gray (10Y5/1), medium dense, moist, fine grained sand, little fines, strong HCl reaction (Hawthorn Group) (continued) |
| -244.4                             | 243.0         | 10         | 15                                 | 21    |                              |                                        |    |    |                                | 708(DH)-23   |     |                           | 243.0ft: dense, no HCl reaction                                                                                                                 |
| -254.3                             | 252.9         | 4          | 10                                 | 19    |                              |                                        |    |    |                                | 708(DH)-24   |     |                           | 252.9ft: medium dense                                                                                                                           |
| -266.4                             | 265.0         | 5          | 12                                 | 30    |                              |                                        |    |    |                                | 708(DH)-25   |     |                           | 256.0ft: dense                                                                                                                                  |
|                                    |               |            |                                    |       |                              |                                        |    |    |                                |              |     |                           | Boring Terminated at Elevation -267.9 ft                                                                                                        |

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



SHEET 1 OF 2

|                                    |               |                    |                                          |                                    |               |                                                             |                            |                                        |                  |                                |                                                                                                                                                                                                                                                                                                             |    |
|------------------------------------|---------------|--------------------|------------------------------------------|------------------------------------|---------------|-------------------------------------------------------------|----------------------------|----------------------------------------|------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| BECHTEL PROJECT NO.: 25409         |               |                    |                                          | MACTEC PROJECT NO.: 6468-07-1950   |               |                                                             |                            | COUNTY: Miami-Dade                     |                  | GEOLOGIST: C. Burroughs        |                                                                                                                                                                                                                                                                                                             |    |
| SITE DESCRIPTION: Turkey Point COL |               |                    |                                          | DRILL MACHINE: CME-750 (Miller)    |               |                                                             |                            | DRILLER: G.Bilbrey/P.McKorkle/J.Tucker |                  |                                | GROUND WATER (ft)                                                                                                                                                                                                                                                                                           |    |
| BORING NO.: B-708(DH)              |               |                    |                                          | DRILL METHOD: Mud Rotary/ Core     |               |                                                             |                            | SAMPLE METHODS: SPT/Core               |                  |                                | 0 HR.                                                                                                                                                                                                                                                                                                       | NA |
| GROUND ELEV.: -1.4 ft (NAVD88)     |               |                    |                                          | NORTHING: 396,830 US ft (NAD83/90) |               |                                                             |                            | EASTING: 875,886 US ft (NAD83/90)      |                  |                                | 24 HR.                                                                                                                                                                                                                                                                                                      | NA |
| TOTAL DEPTH: 266.5 ft              |               |                    |                                          | CASING DEPTH: 4" to 105.8'         |               |                                                             |                            |                                        |                  | HAMMER (ID): 140 lb. Auto (07) |                                                                                                                                                                                                                                                                                                             |    |
| DATE STARTED: 3/7/08               |               | COMPLETED: 3/13/08 |                                          | 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>%            |               | SAMP.<br>NO.                                                | STRATA<br>REC<br>(ft)<br>% |                                        | RQD<br>(ft)<br>% | L<br>O<br>G                    | DESCRIPTION AND REMARKS                                                                                                                                                                                                                                                                                     |    |
|                                    |               |                    |                                          |                                    |               |                                                             |                            |                                        |                  |                                | Begin Coring @ 26.1 ft                                                                                                                                                                                                                                                                                      |    |
| -27.5                              | 26.1          | 4.3                | 1:11/0.3<br>1:49<br>3:37<br>5:56<br>5:36 | (4.2)<br>98%                       | (0.4)<br>9%   | RUN-1                                                       | (19.7)<br>92%              | (11.7)<br>54%                          |                  |                                | LIMESTONE, boundstone, white (10YR8/1), hard, wet, strong HCl reaction (Upper Fort Thompson Formation) (continued)<br>26.1ft: white (10YR8/1), with gray (10YR6/1), medium hard, moderately indurated, fossiliferous, recrystallized calcite, coralline, little to some vugs<br>27.0ft: loss of circulation |    |
| -31.8                              | 30.4          | 5.0                | 2:37<br>2:16<br>3:02<br>2:18<br>3:41     | (3.3)<br>66%                       | (0.7)<br>14%  | RUN-2                                                       |                            |                                        |                  |                                |                                                                                                                                                                                                                                                                                                             |    |
| -36.8                              | 35.4          | 5.0                | 2:15<br>3:08<br>3:31<br>3:25<br>6:01     | (5.0)<br>100%                      | (3.7)<br>74%  | RUN-3<br>708(DH)-<br>CS-01                                  |                            |                                        |                  |                                | 35.4ft: medium hard to hard, moderately indurated to indurated, little vugs                                                                                                                                                                                                                                 |    |
| -41.8                              | 40.4          | 5.0                | 2:33<br>2:06<br>2:58<br>3:01<br>3:27     | (5.0)<br>100%                      | (5.0)<br>100% | RUN-4                                                       |                            |                                        |                  |                                | 40.4ft: white (10YR8/1), hard, indurated, few vugs                                                                                                                                                                                                                                                          |    |
| -46.8                              | 45.4          | 5.0                | 1:49<br>2:35<br>2:26<br>1:58<br>1:34     | (5.0)<br>100%                      | (4.7)<br>94%  | RUN-5                                                       |                            |                                        |                  |                                | 45.4 to 47.6ft: gray (10YR6/1), trace vugs                                                                                                                                                                                                                                                                  |    |
| -51.8                              | 50.4          | 5.0                | 2:42<br>2:16<br>1:36<br>0:55<br>0:35     | (4.8)<br>96%                       | (3.5)<br>70%  | RUN-6<br>708(DH)-<br>CS-04                                  | (50.1)<br>75%              | (30.8)<br>46%                          |                  | -49.0                          | LIMESTONE, boundstone, white (10YR8/1), hard, indurated, trace vugs, strong HCl reaction (Lower Fort Thompson Formation)<br>53.3ft: moderately hard, moderately indurated, trace to few shell molds and casts                                                                                               |    |
| -56.8                              | 55.4          | 5.0                | 0:58<br>0:45<br>1:09<br>1:48<br>4:43     | (5.0)<br>100%                      | (4.2)<br>84%  | RUN-7                                                       |                            |                                        |                  |                                | 55.4ft: hard, indurated                                                                                                                                                                                                                                                                                     |    |
| -61.8                              | 60.4          | 5.0                | 2:02<br>2:08<br>1:29<br>0:36<br>0:29     | (3.2)<br>64%                       | (2.4)<br>48%  | RUN-8<br>708(DH)-<br>CS-06                                  |                            |                                        |                  |                                | 60.4ft: moderately hard to hard, moderately indurated to indurated<br>63.0 to 65.4ft: friable, fractured                                                                                                                                                                                                    |    |
| -66.8                              | 65.4          | 5.0                | 0:15<br>0:41<br>0:30<br>2:00<br>1:35     | (1.9)<br>38%                       | (0.6)<br>12%  | RUN-9                                                       |                            |                                        |                  |                                | 65.4ft: indurated, sandy, coralline                                                                                                                                                                                                                                                                         |    |
| -71.8                              | 70.4          | 4.5                | 1:56<br>2:50<br>3:15<br>1:33<br>3:25/0.5 | (3.2)<br>71%                       | (1.9)<br>42%  | RUN-10                                                      |                            |                                        |                  |                                | 70.4ft: hard                                                                                                                                                                                                                                                                                                |    |
| -76.3                              | 74.9          | 5.6                | 1:21/1.6<br>1:20<br>1:26<br>1:43<br>1:50 | (4.2)<br>75%                       | (3.2)<br>57%  | RUN-11                                                      |                            |                                        |                  |                                |                                                                                                                                                                                                                                                                                                             |    |
| -81.9                              | 80.5          | 5.0                | 0:40<br>0:48<br>0:24<br>1:01<br>2:37     | (3.2)<br>64%                       | (0.7)<br>14%  | RUN-12                                                      |                            |                                        |                  |                                | 80.5ft: moderately hard, moderately indurated, trace to few shell molds and casts                                                                                                                                                                                                                           |    |
| -86.9                              | 85.5          | 5.0                | 1:35<br>1:28<br>6:46<br>2:46<br>2:52     | (4.7)<br>94%                       | (2.9)<br>58%  | RUN-13                                                      |                            |                                        |                  |                                | 85.5ft: moderately hard to hard, moderately indurated to indurated                                                                                                                                                                                                                                          |    |
| -91.9                              | 90.5          | 5.0                | 1:17<br>1:49<br>1:00<br>1:04<br>1:44     | (4.4)<br>88%                       | (2.9)<br>58%  | RUN-14                                                      |                            |                                        |                  |                                |                                                                                                                                                                                                                                                                                                             |    |
| -96.9                              | 95.5          | 5.0                | 0:26<br>0:40<br>0:51<br>1:18<br>1:50     | (2.8)<br>56%                       | (0.4)<br>8%   | RUN-15                                                      |                            |                                        |                  |                                |                                                                                                                                                                                                                                                                                                             |    |
| -101.9                             | 100.5         |                    |                                          |                                    |               |                                                             |                            |                                        |                  |                                |                                                                                                                                                                                                                                                                                                             |    |

TURKEY POINT COL CORE TURKEY POINT GP TURKEY POINT COL GDT 5/30/08

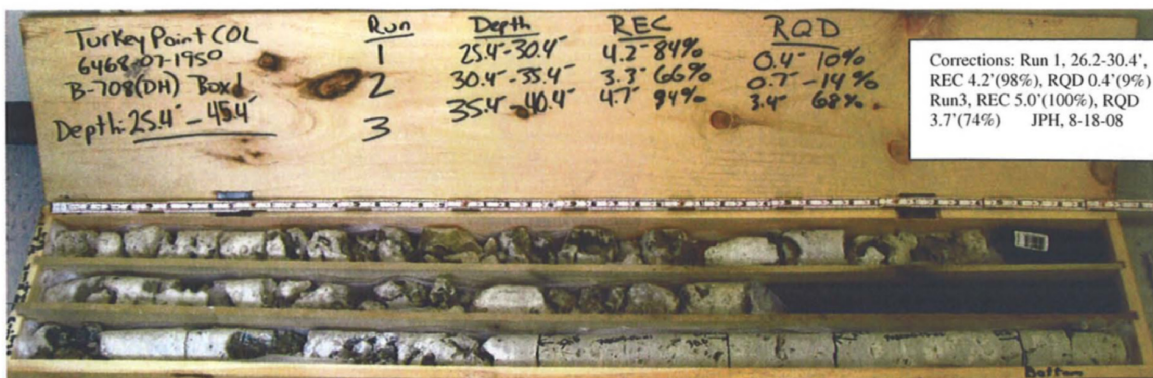


SHEET 2 OF 2

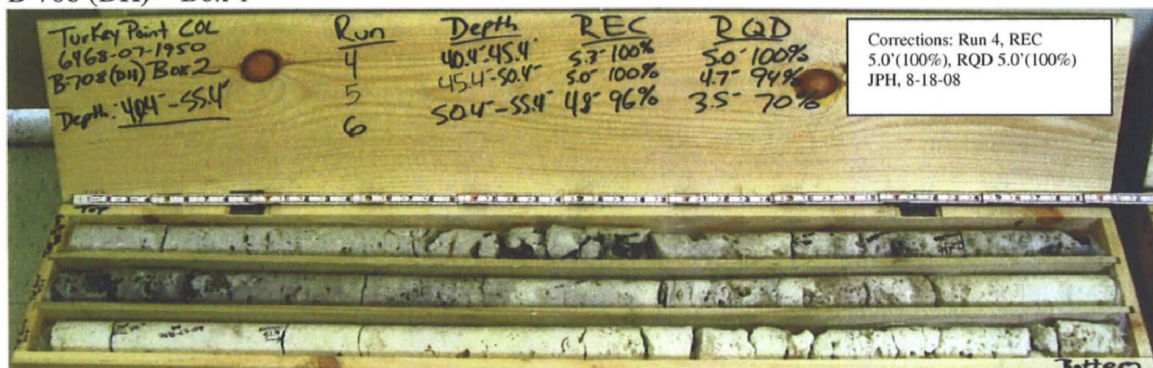
|                                    |                                    |                                        |                                                             |
|------------------------------------|------------------------------------|----------------------------------------|-------------------------------------------------------------|
| BECHTEL PROJECT NO.: 25409         | MACTEC PROJECT NO.: 6468-07-1950   | COUNTY: Miami-Dade                     | GEOLOGIST: C. Burroughs                                     |
| SITE DESCRIPTION: Turkey Point COL | DRILL MACHINE: CME-750 (Miller)    | DRILLER: G.Bilbrey/P.McKorkle/J.Tucker | GROUND WATER (ft)                                           |
| BORING NO.: B-708(DH)              | DRILL METHOD: Mud Rotary/ Core     | SAMPLE METHODS: SPT/Core               | 0 HR. NA                                                    |
| GROUND ELEV.: -1.4 ft (NAVD88)     | NORTHING: 396,830 US ft (NAD83/90) | EASTING: 875,886 US ft (NAD83/90)      | 24 HR. NA                                                   |
| TOTAL DEPTH: 266.5 ft              | CASING DEPTH: 4" to 105.8'         | HAMMER (ID): 140 lb. Auto (07)         |                                                             |
| DATE STARTED: 3/7/08               | COMPLETED: 3/13/08                 | 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                                                                                                                                                                      |
| -106.9        | 105.5         | 5.0         | 0:55<br>1:50<br>1:20<br>0:58<br>1:23 | (4.9)<br>98%     | (4.2)<br>84%     | RUN-16<br>708(DH)-<br>CS-07 |                  |                  |             | 100.5ft: hard, indurated, little shell molds and casts<br>LIMESTONE, boundstone, white (10YR8/1), hard, indurated, trace vugs, strong<br>HCl reaction (Lower Fort Thompson Formation) (continued) |
| -111.9        | 110.5         | 5.0         | 1:43<br>1:10<br>1:33<br>1:05<br>1:08 | (3.4)<br>68%     | (1.1)<br>22%     | RUN-17                      |                  |                  |             |                                                                                                                                                                                                   |
| -116.9        | 115.5         | 5.0         | 0:52<br>1:04<br>1:01<br>1:04<br>0:30 | (1.6)<br>32%     | (0.0)<br>0%      | RUN-18                      |                  |                  |             |                                                                                                                                                                                                   |
|               |               |             |                                      |                  |                  |                             | (0.0)<br>0%      | (NA)             |             | -115.4<br>-116.9 Silty SAND (SM), light gray (5Y7/1), medium dense, wet, fine grained sand, little<br>fines, strong HCl reaction (Tamiami Formation)<br>Coring Terminated at Elevation -116.9     |

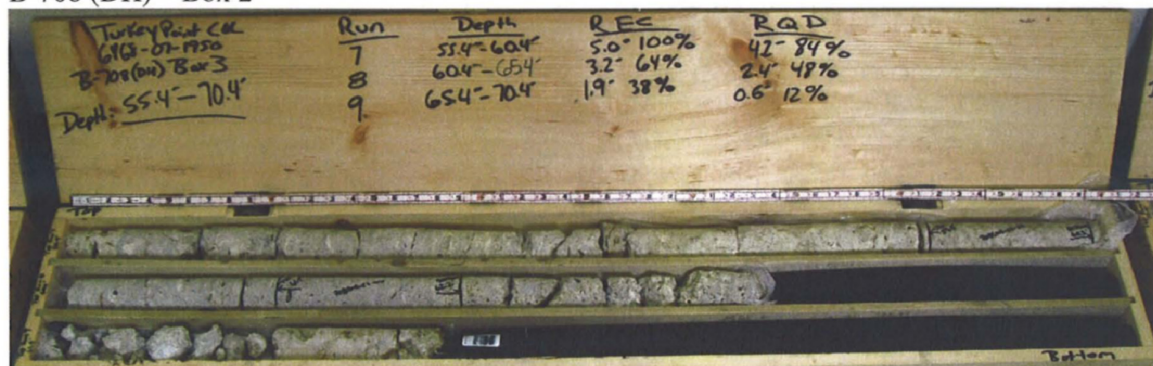
TURKEY POINT COL CORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 5/30/08



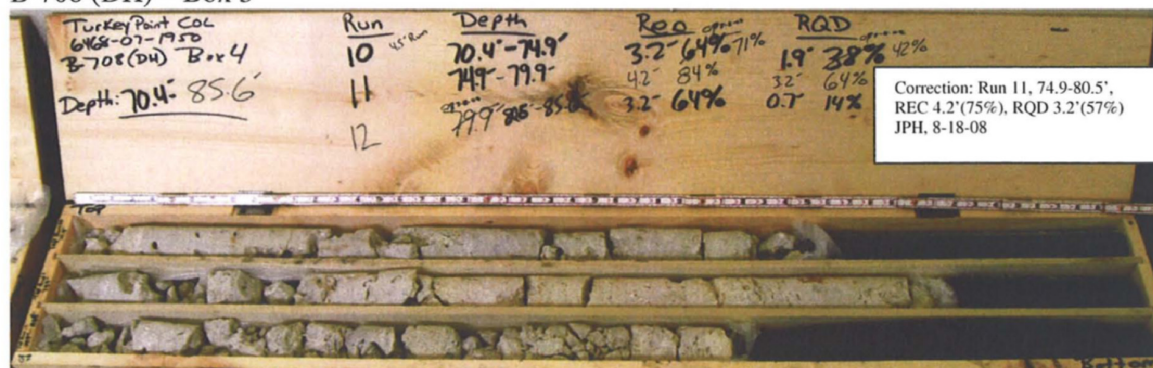
B-708 (DH) - Box 1



B-708 (DH) - Box 2

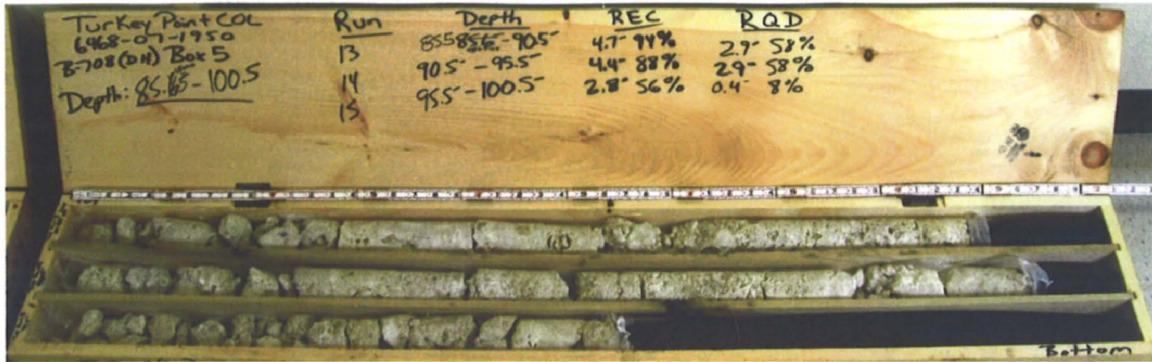


B-708 (DH) - Box 3



B-708 (DH) - Box 4





B-708 (DH) - Box 5



B-708 (DH) - Box 6



## GEOTECHNICAL BORING LOG

Prepared By JPJ Date 5-30-08Checked By JPJ Date 6-30-08

SHEET 1 OF 3

|                                    |               |            |                                            |       |                                    |                |    |                                         |                                         |                                   |              |     |                                   |                           |                   |                                                                                                                                         |  |
|------------------------------------|---------------|------------|--------------------------------------------|-------|------------------------------------|----------------|----|-----------------------------------------|-----------------------------------------|-----------------------------------|--------------|-----|-----------------------------------|---------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--|
| BECHTEL PROJECT NO.: 25409         |               |            |                                            |       | MACTEC PROJECT NO.: 6468-07-1950   |                |    |                                         |                                         | COUNTY: Miami-Dade                |              |     | GEOLOGIST: S. Woodham             |                           |                   |                                                                                                                                         |  |
| SITE DESCRIPTION: Turkey Point COL |               |            |                                            |       | DRILL MACHINE: CME-550X (ATL)      |                |    |                                         |                                         | DRILLER: R. Landeros/P. Pitts     |              |     |                                   |                           | GROUND WATER (ft) |                                                                                                                                         |  |
| BORING NO.: B-709                  |               |            |                                            |       | DRILL METHOD: Mud Rotary/ Core     |                |    |                                         |                                         | SAMPLE METHODS: SPT/Core          |              |     |                                   |                           | 0 HR. NA          |                                                                                                                                         |  |
| GROUND ELEV.: -1.3 ft (NAVD88)     |               |            |                                            |       | NORTHING: 396,761 US ft (NAD83/90) |                |    |                                         |                                         | EASTING: 875,841 US ft (NAD83/90) |              |     |                                   |                           | 24 HR. NA         |                                                                                                                                         |  |
| TOTAL DEPTH: 150.0 ft              |               |            | BORING DIAMETER: 4" to 28.5', 3" to 150.0' |       |                                    |                |    | CASING DEPTH: 4" to 28.5', 3" to 120.0' |                                         |                                   |              |     | HAMMER (ID):140 lb. Auto (MEC-05) |                           |                   |                                                                                                                                         |  |
| DATE STARTED: 2/26/08              |               |            | COMPLETED: 3/4/08                          |       |                                    | CORE SIZE: HQ3 |    |                                         | BITS USED: 2 15/16 & 4 7/8" Roller Cone |                                   |              |     |                                   |                           |                   |                                                                                                                                         |  |
| ELEV.<br>(ft)                      | DEPTH<br>(ft) | BLOW COUNT |                                            |       | BLOWS PER FOOT                     |                |    |                                         |                                         |                                   | SAMP.<br>NO. | MOI | LOG                               | SOIL AND ROCK DESCRIPTION |                   |                                                                                                                                         |  |
|                                    |               | 0.5ft      | 0.5ft                                      | 0.5ft | 0                                  | 20             | 40 | 60                                      | 80                                      | 100                               |              |     |                                   |                           |                   |                                                                                                                                         |  |
| -1.3                               |               |            |                                            |       | Ground Surface                     |                |    |                                         |                                         |                                   |              |     |                                   |                           |                   |                                                                                                                                         |  |
| -1.3                               | 0.0           | WOH        | WOH                                        | WOH   | 0                                  |                |    |                                         |                                         |                                   | 709-1        |     |                                   | -1.3                      | 0.0               | MUCK, very dark brown (10YR2/2). very soft, moist, organic                                                                              |  |
| -3.8                               | 2.5           |            |                                            |       |                                    |                |    |                                         |                                         |                                   | 709-2A&B     |     |                                   | -4.6                      | 3.3               |                                                                                                                                         |  |
|                                    |               | WOH        | 5                                          | 8     |                                    |                |    |                                         |                                         |                                   |              |     |                                   |                           |                   | LIMESTONE, boundstone, pale yellow (2.5Y8/2). very soft, wet, strong HCl reaction, fossiliferous, oolitic (Miami Formation)             |  |
| -6.6                               | 5.3           |            |                                            |       |                                    |                |    |                                         |                                         |                                   | 709-3        |     |                                   |                           |                   | 5.3ft: white (5Y8/1)                                                                                                                    |  |
| -8.8                               | 7.5           | 8          | 8                                          | 4     |                                    |                |    |                                         |                                         |                                   | 709-4        |     |                                   |                           |                   | 7.5ft: white (10YR8/1)                                                                                                                  |  |
|                                    |               | 4          | 9                                          | 4     |                                    |                |    |                                         |                                         |                                   |              |     |                                   |                           |                   |                                                                                                                                         |  |
| -11.3                              | 10.0          |            |                                            |       |                                    |                |    |                                         |                                         |                                   | 709-5        |     |                                   |                           |                   | 10.0ft: soft                                                                                                                            |  |
| -13.8                              | 12.5          | 8          | 12                                         | 9     |                                    |                |    |                                         |                                         |                                   | 709-6        |     |                                   |                           |                   |                                                                                                                                         |  |
| -16.3                              | 15.0          | 11         | 14                                         | 11    |                                    |                |    |                                         |                                         |                                   | 709-7        |     |                                   |                           |                   |                                                                                                                                         |  |
|                                    |               | 10         | 18                                         | 11    |                                    |                |    |                                         |                                         |                                   |              |     |                                   |                           |                   |                                                                                                                                         |  |
| -19.8                              | 18.5          |            |                                            |       |                                    |                |    |                                         |                                         |                                   | 709-8        |     |                                   |                           |                   | 18.5ft: very soft                                                                                                                       |  |
|                                    |               | 6          | 6                                          | 8     |                                    |                |    |                                         |                                         |                                   |              |     |                                   |                           |                   |                                                                                                                                         |  |
| -24.8                              | 23.5          |            |                                            |       |                                    |                |    |                                         |                                         |                                   | 709-9        |     |                                   |                           |                   |                                                                                                                                         |  |
|                                    |               | 3          | 4                                          | 12    |                                    |                |    |                                         |                                         |                                   |              |     |                                   |                           |                   |                                                                                                                                         |  |
| -29.8                              | 28.5          |            |                                            |       |                                    |                |    |                                         |                                         |                                   | 709-10       |     |                                   | -27.3                     | 26.0              | LIMESTONE, boundstone, white, (10YR8/1), hard, wet, strong HCl reaction, trace shell fragments (Upper Fort Thompson Formation)          |  |
| -30.5                              | 29.2          | 40         | 50/0.2                                     |       |                                    |                |    |                                         |                                         |                                   | RUN-1        |     |                                   |                           |                   | 29.2ft: Switched sampling method to coring                                                                                              |  |
|                                    |               |            |                                            |       |                                    |                |    |                                         |                                         |                                   |              |     |                                   |                           |                   | 29.2ft: white (2.5Y8/1), hard, indurated, coralline, fossiliferous, recrystallized calcite, strong HCl reaction, some vugs              |  |
| -35.3                              | 34.0          |            |                                            |       |                                    |                |    |                                         |                                         |                                   | RUN-2        |     |                                   |                           |                   | 30.0ft: loss of circulation                                                                                                             |  |
|                                    |               |            |                                            |       |                                    |                |    |                                         |                                         |                                   |              |     |                                   |                           |                   | 34.0ft: few vugs                                                                                                                        |  |
| -40.3                              | 39.0          |            |                                            |       |                                    |                |    |                                         |                                         |                                   | RUN-3        |     |                                   |                           |                   |                                                                                                                                         |  |
|                                    |               |            |                                            |       |                                    |                |    |                                         |                                         |                                   |              |     |                                   |                           |                   |                                                                                                                                         |  |
| -45.3                              | 44.0          |            |                                            |       |                                    |                |    |                                         |                                         |                                   | RUN-4        |     |                                   |                           |                   | 44.0ft: white (2.5Y8/1) to 45.6 then gray (2.5Y6/1) to 48.4ft, some vugs                                                                |  |
|                                    |               |            |                                            |       |                                    |                |    |                                         |                                         |                                   |              |     |                                   |                           |                   |                                                                                                                                         |  |
| -50.3                              | 49.0          |            |                                            |       |                                    |                |    |                                         |                                         |                                   | RUN-5        |     |                                   | -49.7                     | 48.4              | LIMESTONE, boundstone, white (10YR8/1), hard, indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) |  |
|                                    |               |            |                                            |       |                                    |                |    |                                         |                                         |                                   |              |     |                                   |                           |                   | 49.0ft: moderately hard, moderately indurated, few vugs                                                                                 |  |
| -55.3                              | 54.0          |            |                                            |       |                                    |                |    |                                         |                                         |                                   | RUN-6        |     |                                   |                           |                   | 54.0ft: hard, indurated                                                                                                                 |  |
|                                    |               |            |                                            |       |                                    |                |    |                                         |                                         |                                   |              |     |                                   |                           |                   |                                                                                                                                         |  |
| -60.3                              | 59.0          |            |                                            |       |                                    |                |    |                                         |                                         |                                   | RUN-7        |     |                                   |                           |                   |                                                                                                                                         |  |
|                                    |               |            |                                            |       |                                    |                |    |                                         |                                         |                                   |              |     |                                   |                           |                   |                                                                                                                                         |  |
| -65.3                              | 64.0          |            |                                            |       |                                    |                |    |                                         |                                         |                                   | RUN-8        |     |                                   |                           |                   |                                                                                                                                         |  |
|                                    |               |            |                                            |       |                                    |                |    |                                         |                                         |                                   |              |     |                                   |                           |                   |                                                                                                                                         |  |
| -70.3                              | 69.0          |            |                                            |       |                                    |                |    |                                         |                                         |                                   | RUN-9        |     |                                   |                           |                   | 69.0ft: moderately hard to hard, moderately indurated to indurated, sandy, some vugs                                                    |  |
|                                    |               |            |                                            |       |                                    |                |    |                                         |                                         |                                   |              |     |                                   |                           |                   |                                                                                                                                         |  |
| -75.3                              | 74.0          |            |                                            |       |                                    |                |    |                                         |                                         |                                   | RUN-10       |     |                                   |                           |                   |                                                                                                                                         |  |

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