



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 (ATL)		DRILLER: L. Carter/ J. Landeros	
BORING NO.: B-609		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core	
GROUND ELEV.: -1.5 ft (NAVD88)		NORTHING: 396,763 US ft (NAD83/90)		EASTING: 876,689 US ft (NAD83/90)	
TOTAL DEPTH: 150.7 ft		CASING DEPTH: 4" to 25.0', 3" to 125.0'			HAMMER (ID): 140 lb. Auto (MEC-03)
DATE STARTED: 3/10/08		COMPLETED: 3/12/08		CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC (ft) %	ROD (ft) %	SAMP. NO.	STRATA REC (ft) %	ROD (ft) %	L O G	DESCRIPTION AND REMARKS
										Begin Coring @ 25.3 ft
-26.8	25.3	2.8	1:02 1:06 1:33/0.8	(2.8) 100%	(2.5) 89%	RUN-1	(21.8) 96%	(19.3) 85%		LIMESTONE, boundstone, white (10YR8/1), hard, wet, fossiliferous, strong HCl reaction (Upper Fort Thompson Formation) (continued)
-29.6	28.1									25.3ft: white (7.5YR8/1), hard, indurated, fossiliferous, strong HCl reaction, coralline, few to little vugs
		5.0	0:57 0:58 1:15 1:20 0:45	(4.9) 98%	(4.7) 94%	RUN-2 609-CS-01 609-CS-02				
-34.6	33.1									33.1ft: white (10YR8/1)
		5.0	1:04 1:10 1:13 0:50 1:12	(5.0) 100%	(3.9) 78%	RUN-3				
-39.6	38.1									38.1ft: white (2.5Y8/1), recrystallized calcite
		5.0	1:09 0:53 1:26 1:25 1:46	(4.8) 96%	(4.3) 86%	RUN-4				
-44.6	43.1									43.1ft: white (2.5Y8/1), to gray (10YR6/1) from 46.1ft to 47.9ft
		5.0	0:42 0:45 1:22 1:28 1:22	(4.5) 90%	(3.9) 78%	RUN-5				
-49.6	48.1									
		5.0	1:55 1:47 1:44 1:21 0:49	(5.0) 100%	(5.0) 100%	RUN-6 609-CS-04	(55.6) 85%	(38.2) 59%		LIMESTONE, boundstone, very pale brown (10YR8/3) to white (10YR8/1), hard, indurated, trace to few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)
-54.6	53.1									48.1ft: white (10YR8/1), trace vugs
		5.0	0:51 1:05 1:02 0:29 0:52	(4.8) 96%	(4.0) 80%	RUN-7				
-59.6	58.1									
		5.0	0:42 1:00 0:56 0:35 0:41	(5.0) 100%	(4.7) 94%	RUN-8				
-64.6	63.1									
-65.6	64.1	1.0	0:38	(1.0)	(0.8)	RUN-9				
-66.1	64.6	0.5	1:49/0.5	100%	80%	RUN-10				
-69.6	68.1	3.5	0:25/0.5 0:48 0:26 0:18	(0.0) 0%	(0.0) 0%	RUN-11				
		4.0	0:33 1:40 0:55 0:45	(1.6) 46%	(0.0) 0%	RUN-12				
-73.6	72.1									
-74.6	73.1	1.0	0:38	(1.0)	(0.0)	RUN-13				
		3.4	0:20 0:23 0:35 0:52/0.4	100%	0%	RUN-14				
-78.0	76.5									
-79.6	78.1	1.6	0:52/0.4	(1.6)	(0.9)	RUN-15				76.5ft: white (2.5Y8/1)
		5.0	0:50/0.6 1:12 2:01 1:34 0:48 0:45 0:40	100%	56%	RUN-16 609-CS-06				
-84.6	83.1									
		5.0	1:04 1:02 1:12 2:07 2:09	(4.5) 90%	(2.9) 58%	RUN-17				
-89.6	88.1									
		5.0	2:01 0:36 0:30 1:28 0:40	(5.0) 100%	(3.3) 66%	RUN-18				88.1ft: white (10YR8/1), few vugs
-94.6	93.1									
		3.0	0:42 1:07 2:08	(1.9) 63%	(0.4) 13%	RUN-19				
-97.6	96.1									
		2.0	0:45 1:15	(1.6) 80%	(0.6) 30%	RUN-20				
-99.6	98.1									
-101.6	100.1	2.0	1:05 1:18	(2.0) (0.9)		RUN-21				98.1ft: white (7.5YR8/1)

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



SHEET 2 OF 2

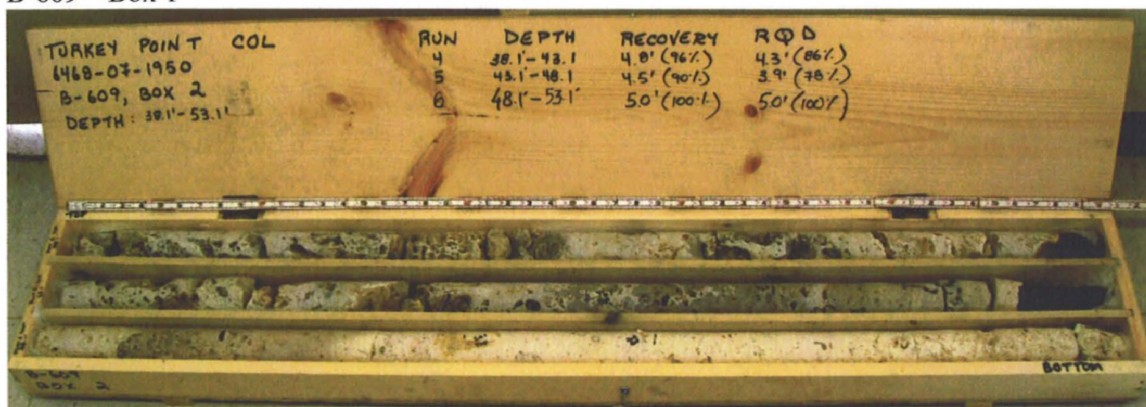
BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: H. Lyatuu
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 (ATL)	DRILLER: L. Carter/ J. Landeros	GROUND WATER (ft)
BORING NO.: B-609	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.5 ft (NAVD88)	NORTHING: 396,763 US ft (NAD83/90)	EASTING: 876,689 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 150.7 ft	CASING DEPTH: 4" to 25.0', 3" to 125.0'	HAMMER (ID): 140 lb. Auto (MEC-03)	
DATE STARTED: 3/10/08	COMPLETED: 3/12/08	CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		L O G	DESCRIPTION AND REMARKS
				REC (ft) %	RQD (ft) %		REC (ft) %	RQD (ft) %		
										Continued from previous page
-104.6	103.1	3.0	0.57 0.58 1.04	100% (3.0)	45% (2.8)	RUN-22/ RUN-22 609-CS-07				100.1ft: white (2.5Y8/1), few vugs, little shell molds and casts LIMESTONE, boundstone, very pale brown (10YR8/3) to white (10YR8/1), hard, indurated, trace to few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued)
-109.6	108.1	5.0	0.48 0.44 0.56 0.56 1.05	(4.7) 100% 94%	(4.7) 93% 94%	RUN-23				
-113.6	112.1	4.0	0.40 0.49 1.12 0.13	(2.9) 73%	(2.2) 55%	RUN-24				108.1ft: white (10YR8/1)
-114.6	113.1	1.0	0.40	(0.6)	(0.0)	RUN-25				
-119.6	118.1	5.0	0.48 0.53 0.44 0.22 0.15	60% (0.0) 0%	0% (0.0) 0%	RUN-26	(0.0) 0%	(NA)		Silty SAND (SM), light gray (7.5YR7/1), medium dense, wet, fine grained sand, strong HCl reaction (Tamiami Formation)
										Coring Terminated at Elevation -119.6

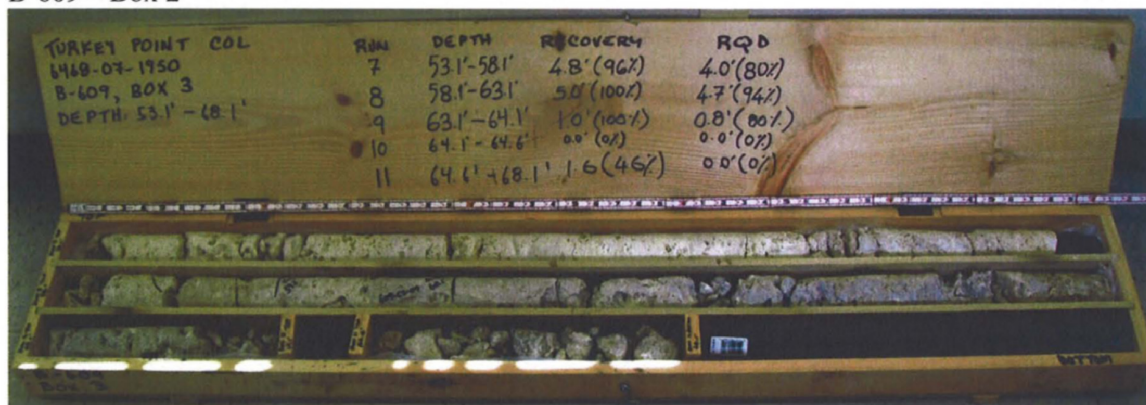
TURKEY POINT COL CORE TURKEY POINT GP TURKEY POINT COL GDT 5:30:08



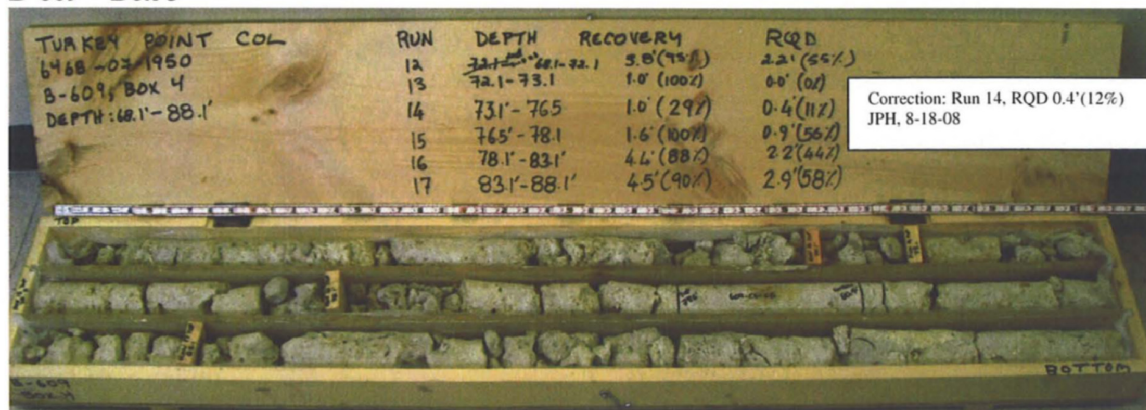
B-609 - Box 1



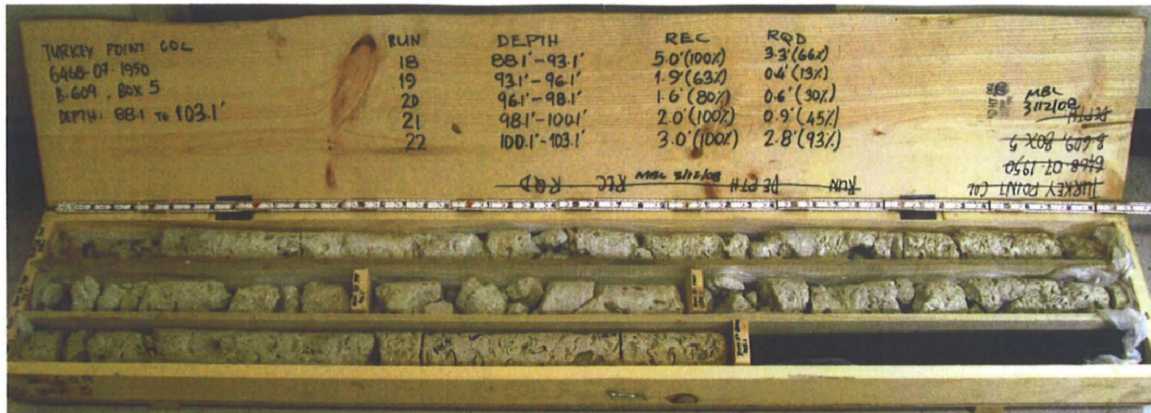
B-609 - Box 2



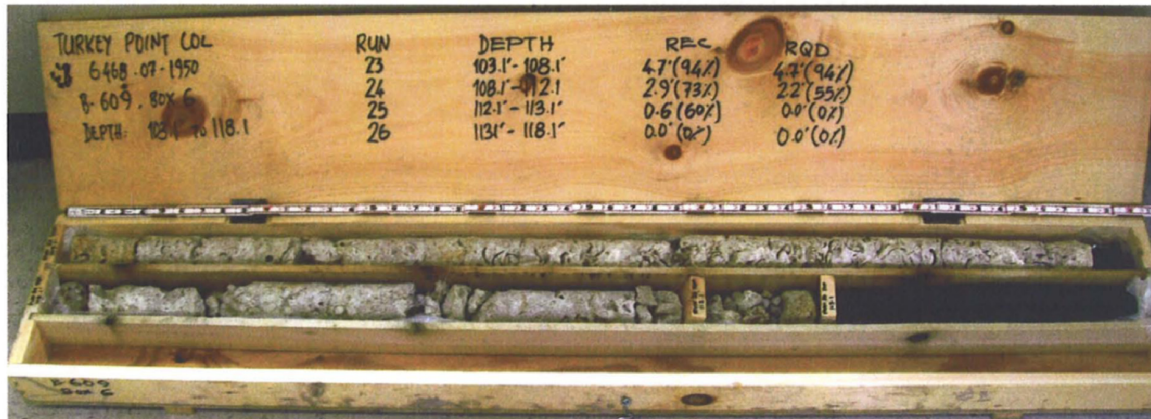
B-609 - Box 3



B-609 - Box 4



B-609 - Box 5



B-609 - Box 6



BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade				GEOLOGIST: R. Clark			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-750 (Miller)				DRILLER: G.Bilbrey/P.McKorkle/J.Tucker				GROUND WATER (ft)			
BORING NO.: B-610(DH)				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA			
GROUND ELEV.: -1.4 ft (NAVD88)				NORTHING: 397,084 US ft (NAD83/90)				EASTING: 876,644 US ft (NAD83/90)				24 HR. NA			
TOTAL DEPTH: 269.0 ft				BORING DIAMETER: 4" to 106.0', 3" to 269.0'				CASING DEPTH: 4" to 106.0'				HAMMER (ID): 140 lb. Auto (07)			
DATE STARTED: 3/24/08				COMPLETED: 4/2/08				CORE SIZE: HQ3				BITS USED: 2 15/16" & 3 7/8" Tricones			
ELEV.	DEPTH	BLOW COUNT			BLOWS PER FOOT						SAMP.	LOG	SOIL AND ROCK DESCRIPTION		
(ft)	(ft)	0.5ft	0.5ft	0.5ft	0	20	40	60	80	100	NO.				
-1.4					Ground Surface										
-1.4	0.0	WOH	WOH	WOH	WOH						610(DH)-1			-1.4	0.0
-4.0	2.6										610(DH)-2A&B			-4.2	2.8
-6.4	5.0	1	2	5							610(DH)-3				
-8.9	7.5	6	9	8							610(DH)-4				
-11.5	10.1	6	6	3							610(DH)-5				
-13.9	12.5	5	5	4							610(DH)-6				
-16.4	15.0	17	22	34							610(DH)-7				
-17.9	16.5	11	10	50/0.5							60/1.0				
											RUN-1				
-22.4	21.0											RUN-2			
-27.4	26.0											RUN-3		-26.4	25.0
												610(DH)-CS-01			
-32.4	31.0											610(DH)-CS-02			
												RUN-4			
-37.4	36.0														
												RUN-5			
-42.4	41.0														
												RUN-6			
-47.4	46.0														
												RUN-7			
-52.4	51.0													-49.7	48.3
												610(DH)-CS-04			
-57.4	56.0											RUN-8			
-62.4	61.0											RUN-9			
-67.4	66.0											RUN-10			
-72.4	71.0											RUN-11			
												RUN-12			

TURKEY POINT COL BORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 7/10/08



SHEET 2 OF 4

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade		GEOLOGIST: R. Clark			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-750 (Miller)				DRILLER: G.Bilbrey/P.McKorkle/J.Tucker				GROUND WATER (ft)	
BORING NO.: B-610(DH)				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.4 ft (NAVD88)				NORTHING: 397,084 US ft (NAD83/90)				EASTING: 876,644 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 269.0 ft		BORING DIAMETER: 4" to 106.0', 3" to 269.0'				CASING DEPTH: 4" to 106.0'				HAMMER (ID):140 lb. Auto (07)			
DATE STARTED: 3/24/08		COMPLETED: 4/2/08		CORE SIZE: HQ3				BITS USED: 2 15/16" & 3 7/8" Tricones					
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100			
-76.2					Continued from previous page								
-77.4	76.0												LIMESTONE, boundstone, white (5Y8/1), hard, indurated, fossiliferous, porous, trace vugs, strong HCl reaction (Lower Fort Thompson Formation) (continued)
-82.4	81.0												81.0ft: few vugs, shell molds and casts 84.0 to 86.5ft: no recovery, soft layer-possible sand lense
-87.4	86.0												86.5ft: medium hard to hard, moderately indurated to indurated
-92.4	91.0												91.0ft: hard, indurated, little bivalve and gastropod shell molds and casts
-97.4	96.0												96.0ft: mostly bivalve and gastropod shell molds and casts
-102.4	101.0												
-107.4	106.0												
-112.4	111.0												106.0ft: trace sand
-117.4	116.0												
		6	5	4									POORLY SORTED SAND with silt (SP-SM), pale yellow (5Y8/2), loose, wet, fine to coarse grained sand, fine gravel, strong HCl reaction, trace limestone gravel-sized fragments (Tamiami Formation) 116.0ft: Switch sampling method to SPT
-123.9	122.5												
		3	4	5									122.5ft: trace shell fragments
-133.9	132.5												
		4	4	4									Silty SAND (SM), olive gray (5Y5/2), loose, wet, friable calcareous cemented sandstone fragments, strong HCl reaction, fine to medium grained sand, fine to coarse gravel
-143.9	142.5												
		6	4	7									142.5ft: medium dense

TURKEY POINT COL BORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 7:10:08



SHEET 3 OF 4

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade		GEOLOGIST: R. Clark				
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-750 (Miller)				DRILLER: G.Bilbrey/P.McKorkle/J.Tucker				GROUND WATER (ft)		
BORING NO.: B-610(DH)				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA		
GROUND ELEV.: -1.4 ft (NAVD88)				NORTHING: 397,084 US ft (NAD83/90)				EASTING: 876,644 US ft (NAD83/90)				24 HR. NA		
TOTAL DEPTH: 269.0 ft		BORING DIAMETER: 4" to 106.0', 3" to 269.0'				CASING DEPTH: 4" to 106.0'				HAMMER (ID): 140 lb. Auto (07)				
DATE STARTED: 3/24/08		COMPLETED: 4/2/08		CORE SIZE: HQ3				BITS USED: 2 15/16" & 3 7/8" Tricones						
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT						SAMP. NO.	▼ MOI	L O G	SOIL AND ROCK DESCRIPTION
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100				
-151.0					Continued from previous page									
-153.9	152.5	5	6	8	●14						610(DH)-12			Silty SAND (SM), olive gray (5Y5/2), loose, wet, friable calcareous cemented sandstone fragments, strong HCl reaction, fine to medium grained sand, fine to coarse gravel (continued)
-163.9	162.5	4	3	8	●11						610(DH)-13			
-173.9	172.5	3	3	9	●12						610(DH)-14			172.5ft: light olive gray (5Y6/2)
-183.9	182.5	3	5	9	●14						610(DH)-15			
-193.9	192.5	3	2	7	●9						610(DH)-16			192.5ft: olive gray (5Y5/2), loose
-203.9	202.5	4	5	7	●12						610(DH)-17			202.5ft: medium dense
-213.9	212.5	6	4	6	●10						610(DH)-18			212.5ft: loose
-224.1	222.7	6	7	13	●20						610(DH)-19			-217.4 Silty SAND (SM), light olive brown (5Y6/2), medium dense, wet, fine grained sand, strong HCl reaction (Hawthorn Group) -216.0

TURKEY POINT COL BORE: TURKEY POINT GFI TURKEY POINT COL GDT 7.10.08



SHEET 4 OF 4

BECHTEL PROJECT NO.: 25409		MACTEC PROJECT NO.: 6468-07-1950		COUNTY: Miami-Dade		GEOLOGIST: R. Clark											
SITE DESCRIPTION: Turkey Point COL		DRILL MACHINE: CME-750 (Miller)		DRILLER: G.Bilbrey/P.McKorkle/J.Tucker		GROUND WATER (ft)											
BORING NO.: B-610(DH)		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA											
GROUND ELEV.: -1.4 ft (NAVD88)		NORTHING: 397,084 US ft (NAD83/90)		EASTING: 876,644 US ft (NAD83/90)		24 HR. NA											
TOTAL DEPTH: 269.0 ft		BORING DIAMETER: 4" to 106.0', 3" to 269.0'		CASING DEPTH: 4" to 106.0'		HAMMER (ID): 140 lb. Auto (07)											
DATE STARTED: 3/24/08		COMPLETED: 4/2/08		CORE SIZE: HQ3		BITS USED: 2 15/16" & 3 7/8" Tricones											
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION				
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100							
-225.8					Continued from previous page												
-233.9	232.5	7	9	12													Silty SAND (SM), light olive brown (5Y6/2), medium dense, wet, fine grained sand, strong HCl reaction (Hawthorn Group) (continued)
-243.9	242.5	16	17	21													242.5ft: dense
-253.9	252.5	6	9	20													252.5ft: gray (5Y5/1), medium dense
-268.9	267.5	10	19	32													267.5ft: olive gray (5Y5/2), very dense
																	Boring Terminated at Elevation -270.4 ft

TURKEY POINT COL BORE TURKEY POINT.GPJ TURKEY POINT COL GDT 7/10/08



SHEET 1 OF 2

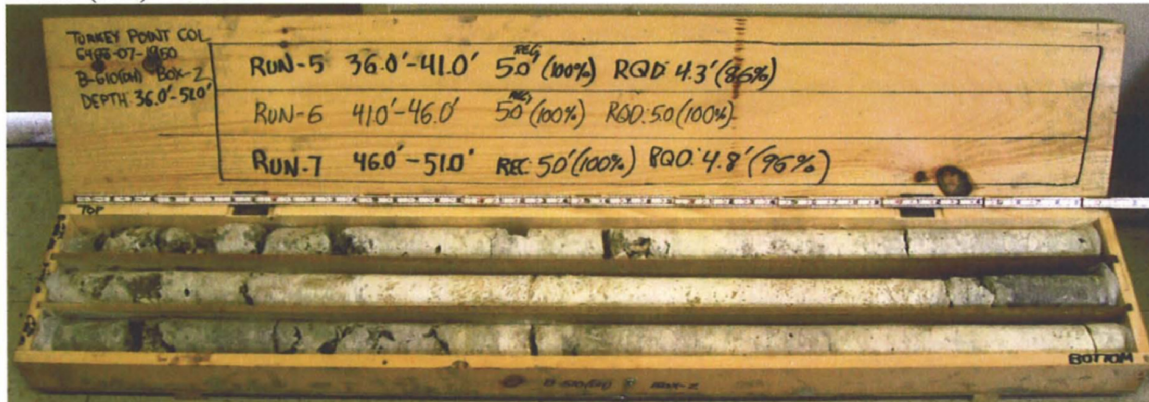
BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade		GEOLOGIST: R. Clark			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-750 (Miller)				DRILLER: G.Bilbrey/P.McKorkle/J.Tucker				GROUND WATER (ft)	
BORING NO.: B-610(DH)				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.4 ft (NAVD88)				NORTHING: 397,084 US ft (NAD83/90)				EASTING: 876,644 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 269.0 ft				CASING DEPTH: 4" to 106.0'						HAMMER (ID): 140 lb. Auto (07)			
DATE STARTED: 3/24/08		COMPLETED: 4/2/08		CORE SIZE: HQ3		CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)							
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		L O G	DESCRIPTION AND REMARKS			
				REC (ft) %	RQD (ft) %		REC (ft) %	RQD (ft) %					
										Begin Coring @ 16.5 ft			
-17.9	16.5	4.5	1:38 0:33 0:17 0:20	(1.5) 33%	(1.0) 22%	RUN-1	(3.2) 38%	(1.4) 16%			LIMESTONE, boundstone, pale yellow (2.5Y7/3), very soft, wet, friable, some sand, strong HCl reaction, oolitic (Miami Formation) (continued)		
-22.4	21.0	5.0	0:13/0.5 0:41 0:11 0:07 0:09 1:27	(1.7) 34%	(0.4) 8%	RUN-2					16.5ft: white (5Y8/1), soft to hard, friable to indurated, strong HCl reaction, fossiliferous, locally interconnected vugs 21.0ft: hard, indurated, few to little vugs, porous		
-27.4	26.0	5.0	0:59 1:05 1:11 2:01 2:21	(4.8) 96%	(4.8) 96%	RUN-3 610(DH)- CS-01 610(DH)- CS-02	(21.1) 91%	(17.8) 76%		-26.4	LIMESTONE, boundstone, white (5Y8/1), hard, indurated, strong HCl reaction, fossiliferous, recrystallized calcite, little vugs (Upper Fort Thompson Formation)		
-32.4	31.0	5.0	1:25 1:27 0:52 2:26 2:11	(4.0) 80%	(1.6) 32%	RUN-4					28.5ft: loss of circulation		
-37.4	36.0	5.0	1:35 1:31 1:52 2:51 2:15	(5.0) 100%	(4.3) 86%	RUN-5					36.0ft: coralline		
-42.4	41.0	5.0	2:11 2:59 2:45 2:39 2:41	(5.0) 100%	(5.0) 100%	RUN-6					41.0ft: white (5Y8/1) to light bluish gray (5PB7/1) at 45.5ft		
-47.4	46.0	5.0	3:32 3:35 3:30 2:45 2:57	(5.0) 100%	(4.8) 96%	RUN-7					46.0ft: light bluish gray (5PB7/1) to 48.3ft; horizontal bedding plane at 48.3ft		
-52.4	51.0	5.0	1:40 1:11 0:28 1:10 1:16	(3.8) 76%	(3.1) 62%	RUN-8 610(DH)- CS-04	(52.0) 80%	(36.1) 55%		-49.7	LIMESTONE, boundstone, white (5Y8/1), hard, indurated, fossiliferous, porous, trace vugs, strong HCl reaction (Lower Fort Thompson Formation)		
-57.4	56.0	5.0	0:43 0:49 1:05 1:11 1:28	(3.6) 72%	(2.2) 44%	RUN-9					51.0ft: medium hard, moderately indurated 53.0 to 54.0ft: soft, friable		
-62.4	61.0	5.0	0:35 0:31 1:21 1:35 0:56	(4.5) 90%	(3.9) 78%	RUN-10					56.0ft: medium hard to hard, moderately indurated to indurated		
-67.4	66.0	5.0	1:48 1:28 2:05 2:04 2:01	(4.4) 88%	(3.0) 60%	RUN-11					61.0 to 62.4ft: soft, friable 62.4ft: hard, indurated, some sand		
-72.4	71.0	5.0	1:11 1:05 1:20 1:35 1:46	(3.7) 74%	(2.5) 50%	RUN-12					66.0ft: medium hard, moderately indurated to indurated		
-77.4	76.0	5.0	0:09 0:47 1:14 1:14 1:59	(3.8) 76%	(3.0) 60%	RUN-13 610(DH)- CS-05					71.0ft: hard, indurated		
-82.4	81.0	5.0	1:11 1:13 0:45 0:09 0:02	(2.7) 54%	(1.3) 26%	RUN-14					81.0ft: few vugs, shell molds and casts 84.0 to 86.5ft: no recovery, soft layer-possible sand lense		
-87.4	86.0	5.0	0:30 1:01 1:20 2:05 2:01	(3.0) 60%	(1.1) 22%	RUN-15					86.5ft: medium hard to hard, moderately indurated to indurated		
-92.4	91.0												

TURKEY POINT COL CORE TURKEY POINT GPJ TURKEY POINT COL GDT 7/10/08

DCN# TUR512



B-610 (DH) – Box 1



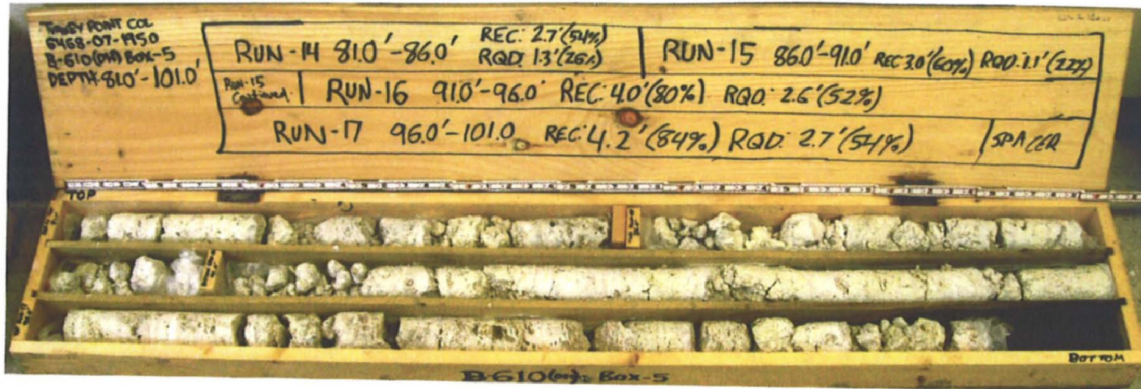
B-610 (DH) – Box 2



B-610 (DH) – Box 3



B-610 (DH) – Box 4



B-610 (DH) – Box 5



B-610 (DH) – Box 6



GEOTECHNICAL BORING LOG

Prepared By DPH Date 5-30-08Checked By DPH Date 6-20-08

SHEET 1 OF 3

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade		GEOLOGIST: H. Lyatuu/G. Pillappa					
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550 (CLT)				DRILLER: Warren/Banks/Sloan/Rosser				GROUND WATER (ft)			
BORING NO.: B-611				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA			
GROUND ELEV.: -1.5 ft (NAVD88)				NORTHING: 397,087 US ft (NAD83/90)				EASTING: 876,735 US ft (NAD83/90)				24 HR. NA			
TOTAL DEPTH: 151.5 ft		BORING DIAMETER: 4" to 25.0', 3" to 151.5'				CASING DEPTH: 4" to 25.0', 3" to 120.1'				HAMMER (ID): 140 lb. Auto (MEC-04)					
DATE STARTED: 2/26/08		COMPLETED: 3/24/08		CORE SIZE: HQ3		BITS USED: 2 15/16" & 2 7/8" Tricones									
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT						SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION		
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100					
-1.5					Ground Surface										
-1.5	0.0	WOH	WOH	WOH	0						611-1		-1.5	0.0	MUCK, very pale brown (10YR7/3), mottled dark gray (10YR4/1), very soft, moist, weak HCl reaction
-4.0	2.5	4	15	22			37				611-2		-3.5	2.0	LIMESTONE, boundstone, white (10YR8/1), medium hard, wet, strong HCl reaction, oolitic (Miami Formation)
-6.5	5.0	9	8	9			17				611-3		5.0ft: very soft		
-9.0	7.5	6	5	6			11				611-4		7.5ft: white (2.5Y8/1)		
-11.5	10.0	4	8	21			29				611-5		10.0ft: white (10YR8/1), soft		
-14.0	12.5	4	21	25			46				611-6		12.5ft: moderately hard, trace shells		
-16.5	15.0	3	6	34			40				611-7				
-21.5	20.0	5	6	9			15				611-8		20.0ft: white (7.5YR8/1), very soft		
-26.5	25.0	16	50/0.4							66/0.9	611-9		-25.5	24.0	LIMESTONE, boundstone, white (7.5YR8/1), hard, wet, strong HCl reaction, trace shells (Upper Fort Thompson Formation)
-27.4	25.9												RUN-1		25.9ft: Switch sampling method to coring
-32.4	30.9										611-CS-01		25.9ft: white (10YR8/1), hard, indurated, fossiliferous, coralline, strong HCl reaction, little vugs		
-37.4	35.9										RUN-2				
-41.1	39.6										RUN-3		35.9ft: few vugs		
-43.0	41.5										611-CS-02				
-46.6	45.1										RUN-4		40.9 to 41.5ft. Drilled out/washed out due to rig change and tool change		
-51.6	50.1										RUN-5				
-56.6	55.1										611-CS-03		45.1ft: gray (5Y6/1) to 47.9ft		
-61.6	60.1										RUN-6				
-66.6	65.1										RUN-7		LIMESTONE, boundstone, white (10YR8/1), to white (5YR8/1), hard, indurated, strong HCl reaction, trace shells, few vugs (Lower Fort Thompson Formation)		
-71.6	70.1										RUN-8		50.1ft: white (5YR8/1)		
											RUN-9				
											RUN-10				
											611-CS-05		70.1ft: trace fine sand		
											RUN-11				



SHEET 2 OF 3

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BORING NO.: B-611		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA							
GROUND ELEV.: -1.5 ft (NAVD88)		NORTHING: 397,087 US ft (NAD83/90)		EASTING: 876,735 US ft (NAD83/90)		24 HR. NA							
TOTAL DEPTH: 151.5 ft		BORING DIAMETER: 4" to 25.0', 3" to 151.5'		CASING DEPTH: 4" to 25.0', 3" to 120.1'		HAMMER (ID): 140 lb. Auto (MEC-04)							
DATE STARTED: 2/26/08		COMPLETED: 3/24/08		CORE SIZE: HQ3		BITS USED: 2 15/16" & 2 7/8" Tricones							
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT						SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100			
-76.3					Continued from previous page								
-76.6	75.1										RUN-12		LIMESTONE, boundstone, white (10YR8/1), to white (5YR8/1), hard, indurated, strong HCl reaction, trace shells, few vugs (Lower Fort Thompson Formation) (continued)
-81.6	80.1										RUN-13		
-86.6	85.1										RUN-14		
-91.6	90.1										RUN-15		
-96.6	95.1										611-CS-06		
-101.6	100.1										RUN-16		
-106.6	105.1										RUN-17		-100.2 Silty SAND (SM), white (5Y8/1), wet, some shell fragments, strong HCl reaction, grades to limestone 98.7
-111.6	110.1										RUN-18		-106.2 LIMESTONE, boundstone, white (5Y8/1), hard, indurated, sandy, fossiliferous, strong HCl reaction, few vugs, little shell molds and casts 104.7
-116.6	115.1										611-CS-07		
-121.6	120.1										RUN-19		
-126.6	125.1										RUN-20		-114.5 Silty SAND with gravel (SM), light brownish gray (10YR6/2), medium dense, wet, fine to coarse grained sand, fine to coarse gravel, weak HCl reaction (Tamiami Formation) 113.0
-132.5	131.0	6	8	10							611-10		120.1ft: Switch sampling method to SPT
-141.5	140.0	5	9	9							611-11		
		4	4	4							611-12		140.0ft: olive gray (5Y5/2), loose

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ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT						SAMP. NO.	▼ MOI	L O G	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100					
-151.1					Continued from previous page										
-151.5	150.0	9	9	13	● 22						611-13			-153.0 150.0ft: medium dense 151.5	
														Boring Terminated at Elevation -153.0 ft	

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