



SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade		GEOLOGIST: L. Bisson			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550 (ATL)				DRILLER: L. Carter/ J. Landeros				GROUND WATER (ft)	
BORING NO.: B-607				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.5 ft (NAVD88)				NORTHING: 396,830 US ft (NAD83/90)				EASTING: 876,644 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 152.5 ft				CASING DEPTH: 4" to 16.0', 3" to 120.0'						HAMMER (ID): 140 lb. Auto (MEC-03)			
DATE STARTED: 3/7/08		COMPLETED: 3/9/08		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 @ 16.0 ft			
-17.5	16.0	2.3	1:54	(2.3)	(1.3)	RUN-1	(7.3)	(6.1)		LIMESTONE, boundstone, pale yellow (2.5Y8/2), soft, wet, trace fines, fossiliferous, strong HCl reaction, oolitic (Miami Formation) (continued) 16.0ft: white (2.5Y8/1), hard, indurated, trace fines, fossiliferous, strong HCl reaction, locally interconnected vugs			
-19.8	18.3	5.0	0:39/0.3	100%	57%		91%	76%					
			1:08	(5.0)	(4.8)	RUN-2							
			1:02	100%	96%								
			0:47										
			0:36										
-24.8	23.3	5.0	1:01	(3.8)	(3.3)	RUN-3	(23.2)	(21.5)		-25.5 ----- 24.0			
			0:27	76%	66%	607-CS-01	98%	91%		LIMESTONE, boundstone, very pale brown (10YR8/2), hard, indurated, fossiliferous, trace fines, strong HCl reaction, trace vugs (Upper Fort Thompson Formation)			
			0:17										
			0:28										
			0:28										
			0:35										
-29.8	28.3	5.0	0:43	(5.0)	(4.6)	RUN-4							
			0:58	100%	92%								
			1:02										
			1:03										
-34.8	33.3	5.0	0:59	(5.0)	(4.9)	RUN-5				33.3ft: white (2.5Y8/1), extremely indurated, recrystallized calcite, few vugs			
			0:49	100%	98%	607-CS-02							
			1:11										
			1:01										
			1:32										
			1:48										
-39.8	38.3	5.0	1:28	(5.0)	(4.7)	RUN-6				38.3ft: indurated			
			1:54	100%	94%	607-CS-03							
			1:57										
			1:36										
			0:56										
-44.8	43.3	5.0	0:30	(5.0)	(4.6)	RUN-7				43.3ft: moderately hard, trace sand			
			1:33	100%	92%								
			1:28										
			2:39										
			1:43							45.9ft: gray (2.5Y6/1) to 47.7ft			
-49.8	48.3	5.0	0:52	(5.0)	(4.5)	RUN-8	(53.4)	(36.3)		-49.2 ----- 47.7			
			1:07	100%	90%	607-CS-04	79%	54%		LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, fossiliferous, trace to few vugs, strong HCl reaction (Lower Fort Thompson Formation)			
			1:25										
			1:10										
			1:00										
-54.8	53.3	5.0	0:31	(3.1)	(3.0)	RUN-9				53.3ft: medium hard to hard			
			0:40	62%	60%								
			0:48										
			0:16										
			1:52										
-59.8	58.3	5.0	1:02	(5.0)	(3.8)	RUN-10				58.3ft: hard, trace vugs			
			0:53	100%	76%	607-CS-05							
			1:17										
			0:59										
			0:49										
-64.8	63.3	5.0	0:30	(3.0)	(0.7)	RUN-11				63.3ft: moderately hard, moderately indurated, sandy			
			0:08	60%	14%								
			0:43										
			0:39										
			0:25										
-69.8	68.3	5.0	0:22	(3.0)	(0.8)	RUN-12				68.3ft: light gray (2.5Y7/2), indurated			
			1:02	60%	16%								
			0:15										
			2:04										
			1:31										
-74.8	73.3	5.0	0:44	(1.7)	(0.4)	RUN-13				73.3ft: white (2.5Y8/1)			
			1:09	34%	8%								
			0:48										
			1:09										
			1:56										
-79.8	78.3	2.0	1:08	(1.3)	(0.8)	RUN-14				78.3ft: moderately indurated			
			1:09	65%	40%								
			1:08	(3.0)	(1.9)	RUN-15				80.3ft: hard, indurated, trace sand, few vugs			
			1:48	100%	63%								
			1:09										
-84.8	83.3	3.0	0:44	(4.7)	(3.4)	RUN-16							
			0:34	94%	68%								
			1:42										
			1:42										
			1:09										
-89.8	88.3	5.0	0:58	(5.0)	(3.3)	RUN-17				88.3ft: moderately hard to hard			
			0:51	100%	66%								

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

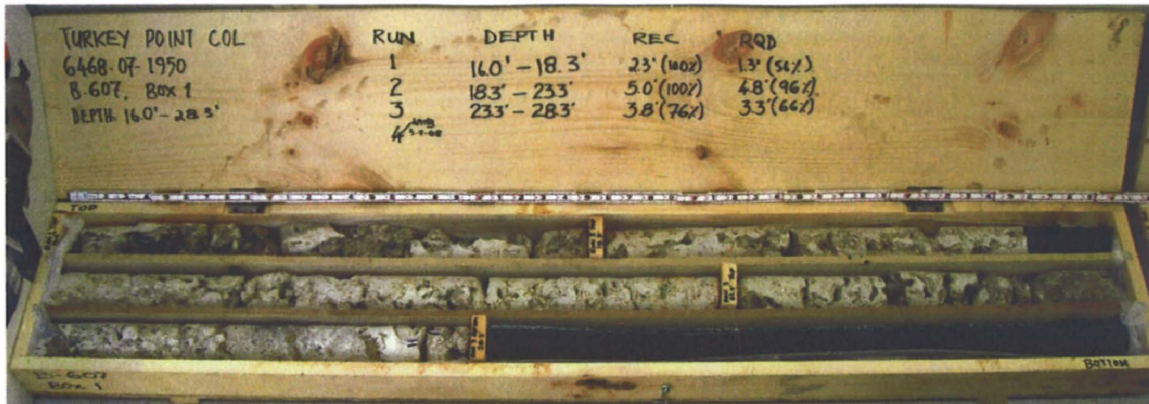


SHEET 2 OF 2

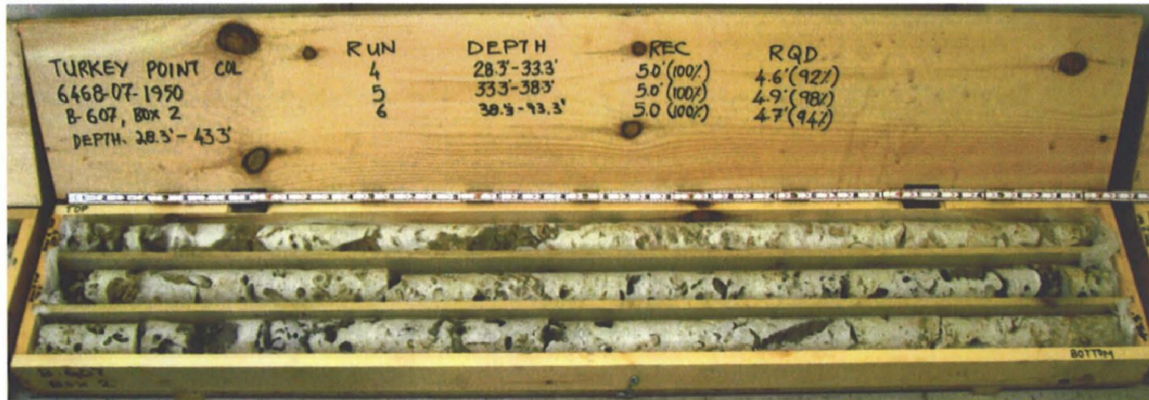
BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: L. Bisson
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 (ATL)	DRILLER: L. Carter/ J. Landeros	GROUND WATER (ft)
BORING NO.: B-607	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.5 ft (NAVD88)	NORTHING: 396,830 US ft (NAD83/90)	EASTING: 876,644 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 152.5 ft	CASING DEPTH: 4" to 16.0', 3" to 120.0'	HAMMER (ID): 140 lb. Auto (MEC-03)	
DATE STARTED: 3/7/08	COMPLETED: 3/9/08	CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC (ft) %	RQD (ft) %	SAMP. NO.	REC (ft) %	RQD (ft) %	LOG	DESCRIPTION AND REMARKS
										Continued from previous page
-94.8	93.3	5.0	0:54 0:55 0:33	(4.2) 84%	(3.7) 74%	RUN-18				LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, fossiliferous, trace to few vugs, strong HCl reaction (Lower Fort Thompson Formation) <i>(continued)</i>
-99.8	98.3	5.0	0:19 0:50 1:07 1:40 1:39	(5.0) 100%	(3.5) 70%	RUN-19 607-CS-06				
-104.8	103.3	5.0	0:40 1:50 1:45 1:58 0:58	(5.0) 100%	(4.3) 86%	RUN-20				
-109.8	108.3	5.0	0:40 1:02 0:59 0:47 0:56	(3.8) 76%	(1.6) 32%	RUN-21				108.3ft: hard to soft, indurated to friable
-114.8	113.3	5.0	0:30 0:34 0:38 0:50 0:55	(0.0) 0%	(0.0) 0%	RUN-22	(0.0) 0%	(NA)		
-119.8	118.3		0:42 0:32 0:24 0:08 0:10							Silty SAND (SM), light gray (2.5Y7/1), medium dense, wet, fine grained sand, strong HCl reaction, trace shell fragments (Tamiami Formation)
										Coring Terminated at Elevation -119.8

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



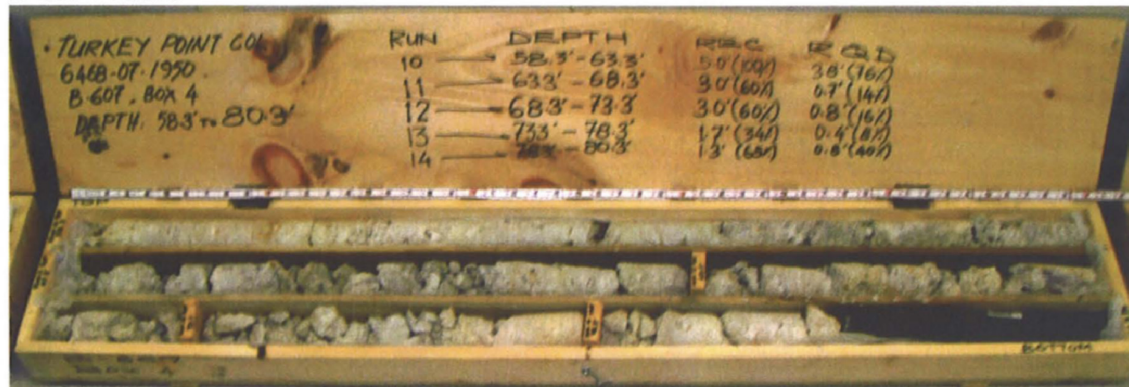
B-607 - Box 1



B-607 - Box 2



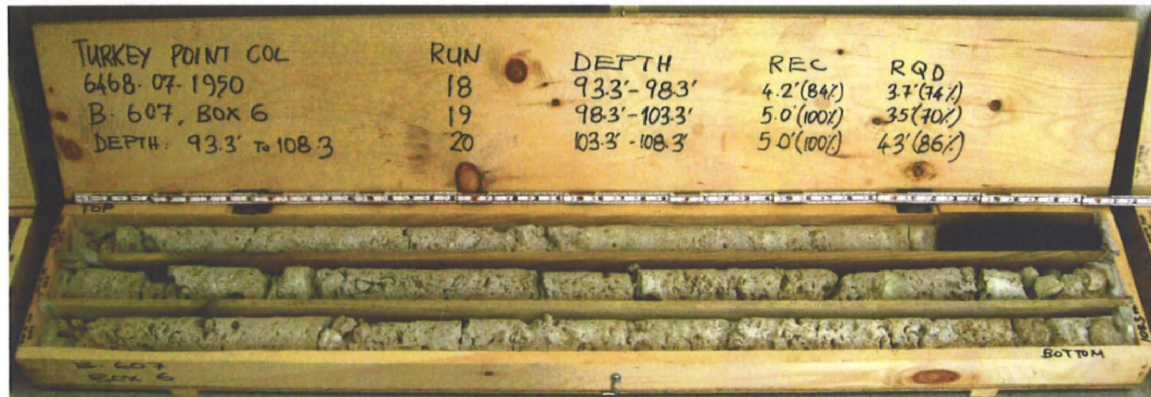
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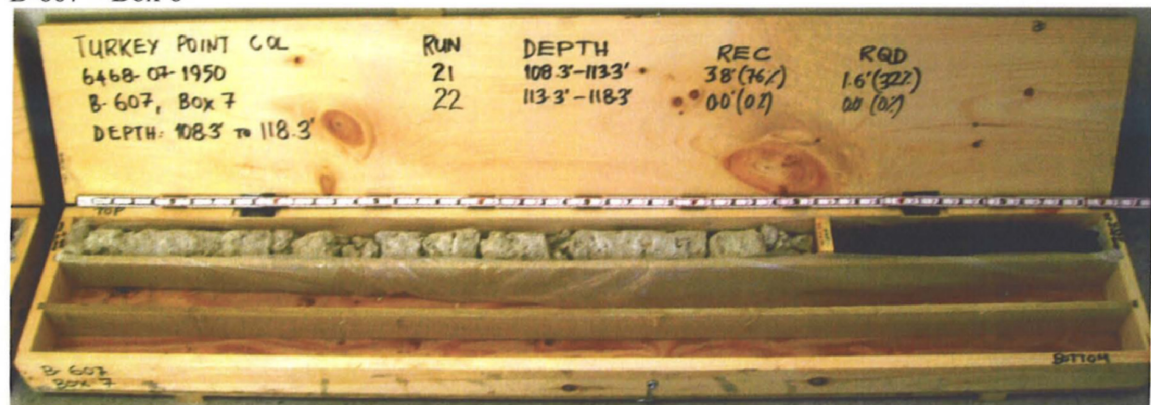
B-607 - Box 4



B-607 - Box 5



B-607 - Box 6



B-607 - Box 7



GEOTECHNICAL BORING LOG

Prepared By: APK Date: 5-10-08

Checked By: WMM Date: 5-22-08

SHEET 1 OF 4

BECHTEL PROJECT NO.: 25409					MACTEC PROJECT NO.: 6468-07-1950					COUNTY: Miami-Dade		GEOLOGIST: S. Woodham/B. Taylor			
SITE DESCRIPTION: Turkey Point COL					DRILL MACHINE: CME-550X (ATL)					DRILLER: R. Landeros/ N. Rodriguez			GROUND WATER (ft)		
BORING NO.: B-608(DH)					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core			0 HR. NA		
GROUND ELEV.: -1.5 ft (NAVD88)					NORTHING: 396,830 US ft (NAD83/90)					EASTING: 876,736 US ft (NAD83/90)			24 HR. NA		
TOTAL DEPTH: 265.4 ft			BORING DIAMETER: 5" to 34.0', 4" to 265.4'					CASING DEPTH: 4" to 117.0'			HAMMER (ID): 140 lb. Auto (MEC-05)				
DATE STARTED: 3/25/08			COMPLETED: 4/2/08			CORE SIZE: HQ3			BITS USED: 4 7/8" & 3 7/8" Roller Cones						
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					
-1.5					Ground Surface										
-1.5	0.0	WOH	WOH	WOH	0						608(DH)-1		-1.5	Muck; no recovery	0.0
-5.0	3.5										608(DH)-2A&B		-6.0	3.5ft: very dark brown (10YR2/2), very soft, wet, organics	4.5
-7.5	6.0	2	9	7							608(DH)-3			LIMESTONE, very pale yellow (10YR8/2), very soft, wet, strong HCl reaction, trace fines, oolitic (Miami Formation)	
-10.0	8.5	6	7	6							608(DH)-4			8.5ft: light gray (7.5YR7/1)	
-12.0	10.5	12	12	2							608(DH)-5			10.5ft: white (2.5Y8/1)	
-15.0	13.5	5	3	2							608(DH)-6				
-20.0	18.5	10	7	10							608(DH)-7			18.5ft: medium hard	
-25.0	23.5	24	25	10							608(DH)-8			23.5ft: very soft	
-30.0	28.5	18	10	7							608(DH)-9		-27.5	LIMESTONE, boundstone, pale yellow (5Y8/3), very soft, wet, coarse grained sand, strong HCl reaction (Upper Fort Thompson Formation)	26.0
-34.0	32.5	1	2	1							608(DH)-10			26.0ft: loss of circulation	
-35.5	34.0	31	7	17							RUN-1			32.5ft: white (2.5Y8/1), soft	
-38.8	37.3										RUN-2			34.0ft: Switch sampling method to coring	
-43.8	42.3										608(DH)-CS-01			34.0ft: white (10YR8/1), hard, indurated, fossiliferous, strong HCl reaction, trace calcite recrystallization, coralline, little vugs	
-48.8	47.3										RUN-3			42.3ft: white (10YR8/1) to gray (10YR6/1) at 44.4ft to 46.8ft	
-53.8	52.3										608(DH)-CS-02		-48.3	LIMESTONE, boundstone, white (10YR8/1), moderately hard to hard, moderately indurated, fossiliferous, few vugs, strong HCl reaction (Lower Fort Thompson Formation)	46.8
-58.8	57.3										RUN-4			52.3ft: trace vugs, trace recrystallized calcite, trace coarse grained sand	
-63.8	62.3										RUN-5			57.3ft: few vugs, few coarse grained sand	
-68.8	67.3										RUN-6			62.3ft: soft to moderately hard, friable to moderately indurated, some coarse grained sand	
-73.8	72.3										RUN-7			67.3ft: moderately hard, moderately indurated, few vugs	
											RUN-8				
											RUN-9			72.3ft: moderately hard to hard, moderately indurated, trace vugs	

TURKEY POINT COL BORE: 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: S. Woodham/B. Taylor					
SITE DESCRIPTION: Turkey Point COL			DRILL MACHINE: CME-550X (ATL)			DRILLER: R. Landeros/ N. Rodriguez			GROUND WATER (ft)					
BORING NO.: B-608(DH)			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA					
GROUND ELEV.: -1.5 ft (NAVD88)			NORTHING: 396,830 US ft (NAD83/90)			EASTING: 876,736 US ft (NAD83/90)			24 HR. NA					
TOTAL DEPTH: 265.4 ft			BORING DIAMETER: 5" to 34.0', 4" to 265.4'			CASING DEPTH: 4" to 117.0'			HAMMER (ID): 140 lb. Auto (MEC-05)					
DATE STARTED: 3/25/08			COMPLETED: 4/2/08			CORE SIZE: HQ3			BITS USED: 4 7/8" & 3 7/8" Roller Cones					
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				
-76.3					Continued from previous page									
-78.8	77.3													LIMESTONE, boundstone, white (10YR8/1), moderately hard to hard, moderately indurated, fossiliferous, few vugs, strong HCl reaction (Lower Fort Thompson Formation) (continued)
-83.8	82.3													77.3ft: moderately hard to hard, indurated, few vugs
-88.8	87.3													82.3ft: hard, indurated
-93.8	92.3													87.3ft: moderately hard, moderately indurated
-98.8	97.3													92.3ft: hard, indurated
-103.8	102.3													97.3ft: moderately hard to hard, few vugs, few to little shell molds and casts
-108.8	107.3													102.3 to 103.3ft: sand layer
-113.8	112.3													
-119.3	117.8	8	4	7										
-130.0	128.5	4	6	7										
-139.5	138.0	5	9	8										
-149.5	148.0	8	12	16										

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: S. Woodham/B. Taylor		
SITE DESCRIPTION: Turkey Point COL					DRILL MACHINE: CME-550X (ATL)					DRILLER: R. Landeros/ N. Rodriguez			GROUND WATER (ft)	
BORING NO.: B-608(DH)					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core			0 HR.	NA
GROUND ELEV.: -1.5 ft (NAVD88)					NORTHING: 396,830 US ft (NAD83/90)					EASTING: 876,736 US ft (NAD83/90)			24 HR.	NA
TOTAL DEPTH: 265.4 ft			BORING DIAMETER: 5" to 34.0', 4" to 265.4'					CASING DEPTH: 4" to 117.0'			HAMMER (ID): 140 lb. Auto (MEC-05)			
DATE STARTED: 3/25/08			COMPLETED: 4/2/08			CORE SIZE: HQ3			BITS USED: 4 7/8" & 3 7/8" Roller Cones					
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.			MOI
-151.1					Continued from previous page									
-159.5	158.0	4	8	10							608(DH)-15		POORLY GRADED SAND with silt (SP-SM), greenish gray (10Y6/1), medium dense, moist, strong HCL reaction, fine to medium grained sand, trace shell fragments (continued)	
-169.5	168.0	5	8	10							608(DH)-16		168.0ft: dark greenish gray (5GY4/1), weak HCL reaction	
-179.5	178.0	3	5	13							608(DH)-17		179.5ft: Sandy SILT (ML), dark greenish gray (5GY4/1), very stiff, moist, fine grained sand, strong HCL reaction	
-189.5	188.0	3	4	9							608(DH)-18		188.0ft: weak HCL reaction	
-199.5	198.0	3	5	7							608(DH)-19			
-209.5	208.0	5	4	9							608(DH)-20		208.0ft: strong HCL reaction	
-219.5	218.0	7	11	11							608(DH)-21		218.0ft: Silty SAND (SM), greenish gray (10Y6/1), medium dense, moist, fine grained sand, strong HCL reaction (Hawthorn Group)	

TURKEY POINT COL BORE TURKEY POINT GPJ 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: S. Woodham/B. Taylor												
SITE DESCRIPTION: Turkey Point COL		DRILL MACHINE: CME-550X (ATL)		DRILLER: R. Landeros/ N. Rodriguez		GROUND WATER (ft)												
BORING NO.: B-608(DH)		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA												
GROUND ELEV.: -1.5 ft (NAVD88)		NORTHING: 396,830 US ft (NAD83/90)		EASTING: 876,736 US ft (NAD83/90)		24 HR. NA												
TOTAL DEPTH: 265.4 ft		BORING DIAMETER: 5" to 34.0", 4" to 265.4'		CASING DEPTH: 4" to 117.0'		HAMMER (ID): 140 lb. Auto (MEC-05)												
DATE STARTED: 3/25/08		COMPLETED: 4/2/08		CORE SIZE: HQ3		BITS USED: 4 7/8" & 3 7/8" Roller Cones												
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								
-225.9					Continued from previous page													
-229.5	228.0	24	48	50/0.3											98/0.8	608(DH)-22	Silty SAND (SM), greenish gray (10Y6/1), medium dense, moist, fine grained sand, strong HCl reaction (Hawthorn Group) (continued) 228.0ft: very dense, fine to medium grained sand	
-240.4	238.9	12	21	24											45	608(DH)-23	238.9ft: dark greenish gray (10Y4/1), dense, weak HCl reaction	
-250.4	248.9	19	27	27											54	608(DH)-24	248.9ft: greenish gray (10Y5/1), very dense, fine to medium grained sand, trace shell fragments, strong HCl reaction	
-265.4	263.9	12	21	27											48	608(DH)-25	263.9ft: dense Boring Terminated at Elevation -266.9 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: S. Woodham/B. Taylor
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550X (ATL)	DRILLER: R. Landeros/ N. Rodriguez	GROUND WATER (ft)
BORING NO.: B-608(DH)	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.5 ft (NAVD88)	NORTHING: 396,830 US ft (NAD83/90)	EASTING: 876,736 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 265.4 ft	CASING DEPTH: 4" to 117.0'	HAMMER (ID): 140 lb. Auto (MEC-05)	
DATE STARTED: 3/25/08	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 @ 34.0 ft
-35.5	34.0	3.3	0:36	(2.6)	(0.9)	RUN-1	(12.1)	(8.3)		LIMESTONE, boundstone, pale yellow (5Y8/3), very soft, wet, coarse grained sand, strong HCl reaction (Upper Fort Thompson Formation)
-38.8	37.3		0:36	79%	27%		95%	65%		
		5.0	1:00/0.3	(5.0)	(3.2)	RUN-2				26.0ft: loss of circulation (<i>continued</i>)
			0:30	100%	64%					34.0ft: white (10YR8/1), hard, indurated, fossiliferous, strong HCl reaction, trace calcite recrystallization, coralline, little vugs
-43.8	42.3		0:35							
		5.0	0:44			608(DH)-CS-01				42.3ft: white (10YR8/1) to gray (10YR6/1) at 44.4ft to 46.8ft
			1:07	(5.0)	(4.7)	RUN-3				
-48.8	47.3		1:06	100%	94%	608(DH)-CS-02				
		5.0	0:44	(5.0)	(4.5)	RUN-4	(47.6)	(25.5)		LIMESTONE, boundstone, white (10YR8/1), moderately hard to hard, moderately indurated, fossiliferous, few vugs, strong HCl reaction (Lower Fort Thompson Formation)
			0:47	100%	90%		70%	37%		
-53.8	52.3		1:24							
		5.0	1:20	(5.0)	(3.9)	RUN-5				52.3ft: trace vugs, trace recrystallized calcite, trace coarse grained sand
			1:15	100%	78%					
-58.8	57.3		0:57							
		5.0	0:56	(3.5)	(1.2)	RUN-6				57.3ft: few vugs, few coarse grained sand
			0:54	70%	24%					
-63.8	62.3		0:26							
		5.0	0:26	(2.8)	(0.0)	RUN-7				62.3ft: soft to moderately hard, friable to moderately indurated, some coarse grained sand
			0:36	56%	0%					
-68.8	67.3		0:17							
		5.0	1:03	(3.1)	(1.9)	RUN-8				67.3ft: moderately hard, moderately indurated, few vugs
			0:45	62%	38%					
-73.8	72.3		1:43							
		5.0	1:10	(3.4)	(0.9)	RUN-9				72.3ft: moderately hard to hard, moderately indurated, trace vugs
			1:02	68%	18%					
-78.8	77.3		0:37							
		5.0	0:57	(4.3)	(3.0)	RUN-10				77.3ft: moderately hard to hard, indurated, few vugs
			0:18	86%	60%					
-83.8	82.3		0:53							
		5.0	0:37	(0.3)	(0.0)	RUN-11				82.3ft: hard, indurated
			0:45	6%	0%					
-88.8	87.3		0:05							
		5.0	0:29	(1.1)	(0.0)	RUN-12				87.3ft: moderately hard, moderately indurated
			0:39	22%	0%					
-93.8	92.3		0:30							
		5.0	0:30	(3.6)	(1.0)	RUN-13				92.3ft: hard, indurated
			0:20	72%	20%					
-98.8	97.3		0:15							
		5.0	0:07	(4.8)	(3.3)	RUN-14				97.3ft: moderately hard to hard, few vugs, few to little shell molds and casts
			0:29	96%	66%					
-103.8	102.3		0:22							
		5.0	0:23	(5.0)	(4.2)	RUN-15				102.3 to 103.3ft: sand layer
			0:25	100%	84%					
-108.8	107.3		0:30			608(DH)-CS-03				
		5.0	0:34	(3.2)	(1.1)	RUN-16				
			0:27							
			0:31							
			0:31							
			0:44							
			0:26							

TURKEY POINT COL CORE TURKEY POINT.GPJ TURKEY POINT COL GDT 530.08



SHEET 2 OF 2

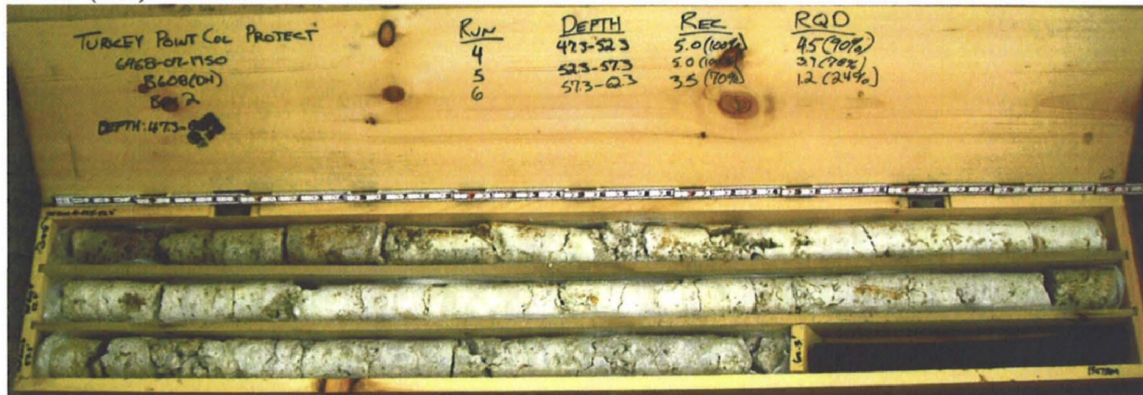
BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: S. Woodham/B. Taylor
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550X (ATL)	DRILLER: R. Landeros/ N. Rodriguez	GROUND WATER (ft)
BORING NO.: B-608(DH)	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.5 ft (NAVD88)	NORTHING: 396,830 US ft (NAD83/90)	EASTING: 876,736 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 265.4 ft	CASING DEPTH: 4" to 117.0'	HAMMER (ID): 140 lb. Auto (MEC-05)	
DATE STARTED: 3/25/08	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) %		
										Continued from previous page
-113.8	112.3		0.30 0.40 0.18 0.48	64%	22%					LIMESTONE, boundstone, white (10YR8/1), moderately hard to hard, moderately indurated, fossiliferous, few vugs, strong HCl reaction (Lower Fort Thompson Formation) (continued)
		5.0	0.38 1.02 0.27 0.12 0.20	(2.0) 40%	(0.0) 0%	RUN-17				
-118.8	117.3						(0.0) 0%	(NA)		-116.5 -118.8
										Silty SAND (SM), pale yellow (2.5Y8/2), medium dense, wet, fine to medium grained sand (Tamiami Formation) Coring Terminated at Elevation -118.8

TURKEY POINT COL CORE, TURKEY POINT GPJ, TURKEY POINT COL GDT 53008



B-608 (DH) – Box 1



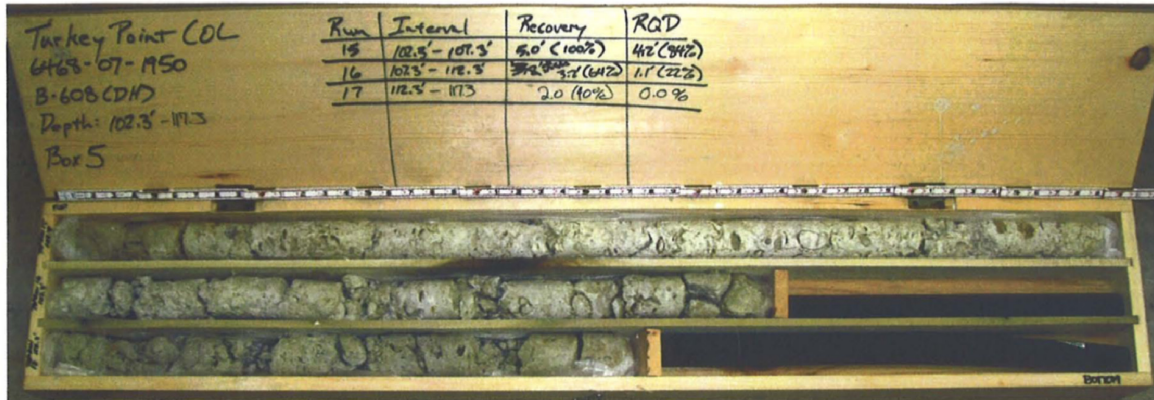
B-608 (DH) – Box 2



B-608 (DH) – Box 3



B-608 (DH) – Box 4



B-608 (DH) - Box 5



GEOTECHNICAL BORING LOG

Prepared By 2274 Date 5-30-08

Checked By 1111 Date 5-31-08

SHEET 1 OF 3

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			BORING DIAMETER: 4" to 25.0', 3" to 150.7'					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			BITS USED: 4" & 3" Roller Cones								
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							
-1.5					Ground Surface												
-1.5	0.0	WOR	WOR	WOR	●0						609-1			-1.5	0.0		
-4.0	2.5	WOH	3	5	●8						609-2			-3.5	2.0		
-6.5	5.0	6	6	5	●11						609-3						
-9.0	7.5	2	2	3	●5						609-4						
-11.5	10.0	3	10	19			●29				609-5			10.0ft: soft			
-14.0	12.5	9	16	20			●36				609-6			12.5ft: white (2.5Y8/1), medium hard			
-16.5	15.0	7	19	15			●34				609-7			15.0ft: white (10Y8/1)			
-20.7	19.2	5	16	14							609-8			19.2ft: white (2.5Y8/1), soft			
-25.7	24.2										609-9			-25.5	24.0		
-26.8	25.3	6	48	50/0.1						98/0.6	RUN-1						
-29.6	28.1										RUN-2						
											609-CS-01						
											609-CS-02						
-34.6	33.1										RUN-3			33.1ft: white (10YR8/1)			
-39.6	38.1										RUN-4			38.1ft: white (2.5Y8/1), recrystallized calcite			
-44.6	43.1										RUN-5			43.1ft: white (2.5Y8/1), to gray (10YR6/1) from 46.1ft to 47.9ft			
-49.6	48.1										RUN-6			-49.4	47.9		
											609-CS-04						
-54.6	53.1										RUN-7			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)			
											RUN-8			48.1ft: white (10YR8/1), trace vugs			
-59.6	58.1										RUN-9						
-64.6	63.1										RUN-10						
-65.6	64.1										RUN-11						
-66.1	64.6																
-69.6	68.1										RUN-12						
-73.6	72.1										RUN-13						
-74.6	73.1										RUN-14						

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



SHEET 2 OF 3

BECHTEL PROJECT NO.: 25409			MACTEC PROJECT NO.: 6468-07-1950			COUNTY: Miami-Dade			GEOLOGIST: 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			BORING DIAMETER: 4" to 25.0', 3" to 150.7'			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			BITS USED: 4" & 3" Roller Cones					
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				
-76.3					Continued from previous page									
-78.0	76.5													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) 76.5ft: white (2.5Y8/1)
-79.6	78.1													
-84.6	83.1													
-89.6	88.1													
-94.6	93.1													
-97.6	96.1													
-99.6	98.1													
-101.5	100.0													
-104.6	103.1													
-109.6	108.1													
-113.6	112.1													
-114.6	113.1													
-120.8	119.3	3	6	12										
-130.8	129.3	3	3	6										
-140.7	139.2	9	9	10										
-150.7	149.2													

TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL GDT 5/3/08



SHEET 3 OF 3

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			BORING DIAMETER: 4" to 25.0', 3" to 150.7'			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			BITS USED: 4" & 3" Roller Cones					
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				
-151.1					Continued from previous page									
		5	6	9	● 15						609-13		-152.2	150.7
														Boring Terminated at Elevation -152.2 ft

TURKEY POINT COL BORE, TURKEY POINT GPJ, TURKEY POINT COL GDI, 5/3/08