



SHEET 3 OF 3

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade				GEOLOGIST: B. Taylor/L. Bisson			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550 (ATL)				DRILLER: L. Carter/ J. Landeros				GROUND WATER (ft)			
BORING NO.: B-605				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA			
GROUND ELEV.: -1.7 ft (NAVD88)				NORTHING: 396,917 US ft (NAD83/90)				EASTING: 876,694 US ft (NAD83/90)				24 HR. NA			
TOTAL DEPTH: 201.0 ft				BORING DIAMETER: 4" to 36.0', 3" to 201.0'				CASING DEPTH: 4" to 36.0', 3" to 119.9'				HAMMER (ID): 140 lb. Auto (MEC-03)			
DATE STARTED: 2/23/08				COMPLETED: 2/27/08				CORE SIZE: HQ3				BITS USED: 3 7/8" and 2 15/16" 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					
-151.3					Continued from previous page										
-151.6	149.9	5	6	11							605-19		Silty SAND (SM), greenish gray (10Y5/1), medium dense, fine grained sand, strong HCl reaction (continued)		
-156.6	154.9	4	5	7							605-20		154.9ft: fine grained sand		
-161.2	159.5	3	4	6							605-21		159.5ft: loose		
-166.2	164.5	3	4	5							605-22		-166.2		
-171.2	169.5	2	3	6							605-23		Sandy SILT (ML), greenish gray (10Y5/1), firm, wet, fine to medium grained sand, strong HCl reaction		
-176.2	174.5	2	3	5							605-24		169.5ft: no recovery		
-181.2	179.5	2	2	4							605-25		174.5ft: some fine grained sand		
-186.2	184.5	2	3	5							605-26		177.5ft: olive gray (5Y5/2)		
-191.2	189.5	3	3	6							605-27		184.5ft: fine to medium grained sand		
-196.2	194.5	4	5	13							605-28		187.5ft: olive gray (5Y5/2), fine grained sand,		
-201.2	199.5	4	4	17							605-29		-196.2		
													Sandy, Silty CLAY (CL), olive gray (5Y4/2), very stiff, moist, fine to medium grained sand, weak HCl reaction		
													-201.2		
													Sandy SILT (ML), olive gray (5Y4/2), very stiff, moist, fine to coarse grained sand		
													-202.7		
													Boring Terminated at Elevation -202.7 ft		

TURKEY POINT COL BORE: TURKEY POINT GPJ TURKEY POINT COL GDI 8/18/08



SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade		GEOLOGIST: B. Taylor/L. Bisson	
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550 (ATL)				DRILLER: L. Carter/ J. Landeros		GROUND WATER (ft)	
BORING NO.: B-605				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core		0 HR. NA	
GROUND ELEV.: -1.7 ft (NAVD88)				NORTHING: 396,917 US ft (NAD83/90)				EASTING: 876,694 US ft (NAD83/90)		24 HR. NA	
TOTAL DEPTH: 201.0 ft				CASING DEPTH: 4" to 36.0', 3" to 119.9'						HAMMER (ID): 140 lb. Auto (MEC-03)	
DATE STARTED: 2/23/08		COMPLETED: 2/27/08		CORE SIZE: HQ3		CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)					
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC. (ft) %RQD (ft) %		SAMP. NO.	STRATA REC. (ft) %RQD (ft) %		L O G	DESCRIPTION AND REMARKS	
										Begin Coring @ 36.2 ft	
-37.9	36.2	1.9	1:20	(1.9)	(1.9)	RUN-1	(11.6)	(11.4)		LIMESTONE, boundstone, white (10YR8/1), moderately hard, moist, trace shell fragments (Upper Fort Thompson Formation) (continued)	
-39.8	38.1	5.0	1:50/0.9	100%	100%	RUN-2	97%	96%		36.2ft: medium hard, moderately indurated, fossiliferous, few vugs	
			1:26	(4.7)	(4.5)					NOTE: Coring began at 35.1 ft though previous SPT. Only material below SPT depth is included in log.	
			1:17	94%	90%						
			0:57								
			0:50								
-44.8	43.1		0:48								
		5.0	0:39	(5.0)	(5.0)	RUN-3				43.1ft: hard, moderately indurated, recrystallized calcite	
			0:38	100%	100%						
			0:45								
			0:44								
-49.8	48.1		0:50								
		5.0	1:01	(5.0)	(5.0)	RUN-4	(52.7)	(36.3)		LIMESTONE, boundstone, white (10YR8/1), hard, indurated, little vugs, some shells, trace recrystallized calcite in vugs (Lower Fort Thompson Formation)	
			1:04	100%	100%		79%	54%			
			1:01								
			1:00								
-54.8	53.1		1:24								
		5.0	0:46	(4.9)	(4.2)	RUN-5				53.1ft: medium hard, moderately indurated	
			0:43	98%	84%						
			0:32								
			0:16								
-59.8	58.1		0:37								
		5.0	0:21	(3.4)	(1.9)	RUN-6					
			0:24	68%	38%						
			0:20								
			0:15								
-64.8	63.1		0:15								
		5.0	0:21	(3.9)	(2.9)	RUN-7				63.1ft: few vugs	
			0:19	78%	58%						
			0:23								
			0:26								
-69.8	68.1		0:13								
		5.0	0:29	(2.4)	(0.6)	RUN-8				68.1ft: mottled light gray (10YR7/1), some vugs, interbedded sand	
			0:10	48%	12%						
			0:16								
			0:24								
-74.8	73.1		0:28								
-75.6	73.9	0.8	0:24/0.8	(0.5)	(0.0)	RUN-9					
		5.0	0:15	63%	0%	RUN-10				73.9ft: hard, indurated, mostly vugs	
			0:25								
			0:25	(2.7)	(0.5)						
			0:20	54%	10%						
-80.6	78.9		0:26								
		5.0	0:29	(3.8)	(3.7)	RUN-11					
			0:57	76%	74%						
			0:55								
			0:51								
-85.6	83.9		0:23								
		5.0	0:15	(2.5)	(0.5)	RUN-12				83.9ft: moderately indurated	
			0:19	50%	10%						
			0:23								
			0:19								
-90.6	88.9		0:38								
		4.0	0:53	(3.8)	(2.5)	RUN-13				88.9ft: moderately hard, indurated, few vugs	
			0:53	95%	63%						
			1:00								
-94.6	92.9		1:26								
-95.6	93.9	1.0	0:54	(0.6)	(0.5)	RUN-14				92.9ft: trace vugs, trace sand	
		5.0	0:33	60%	50%	RUN-15					
			0:41								
			0:35	(4.9)	(3.9)						
			0:37	98%	78%						
-100.6	98.9		0:38								
		5.0	0:39	(5.0)	(3.0)	RUN-16					
			0:52	100%	60%						
			0:46								
			0:51								
-105.6	103.9		1:06								
		5.0	0:51	(5.0)	(5.0)	RUN-17				103.9ft: hard, shell molds and casts	
			0:58	100%	100%						
			1:03								
			0:52								
-110.6	108.9		1:03								
		5.0	0:42	(3.6)	(2.1)	RUN-18				108.9ft: moderately hard	
			0:58	72%	42%						

TURKEY POINT COL CORE TURKEY POINT GP TURKEY POINT COL GDT 8 18 08

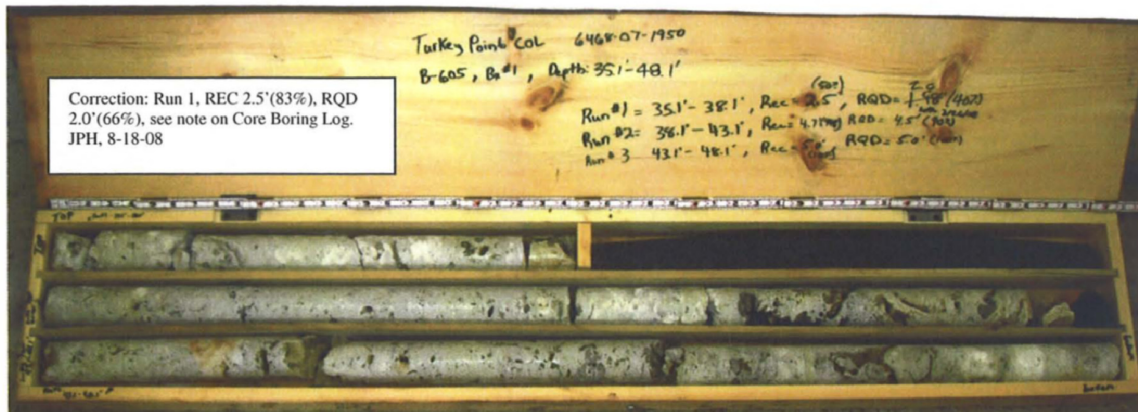


SHEET 2 OF 2

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: B. Taylor/L. Bisson
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 (ATL)	DRILLER: L. Carter/ J. Landeros	GROUND WATER (ft)
BORING NO.: B-605	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.7 ft (NAVD88)	NORTHING: 396,917 US ft (NAD83/90)	EASTING: 876,694 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 201.0 ft	CASING DEPTH: 4" to 36.0', 3" to 119.9'	HAMMER (ID): 140 lb. Auto (MEC-03)	
DATE STARTED: 2/23/08	COMPLETED: 2/27/08	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		LOG	DESCRIPTION AND REMARKS
				REC (ft) %	RQD (ft) %		REC (ft) %	RQD (ft) %		
			0:55 0:21 1:22							Continued from previous page
-115.6	113.9									LIMESTONE, boundstone, white (10YR8/1), hard, indurated, little vugs, some shells, trace recrystallized calcite in vugs (Lower Fort Thompson Formation) (continued)
		5.0	0:30 0:23 0:44 0:14 0:10	(0.7) 14%	(0.0) 0%	RUN-19	(0.0) 0%	(NA)		113.9ft: light gray (2.5Y7/2), hard Sandy SILT (ML), light gray (2.5Y7/1), very stiff, wet, fine to medium grained sand, strong HCl reaction (Tamiami Formation)
-120.6	118.9									115.0 118.9
										Coring Terminated at Elevation -120.6

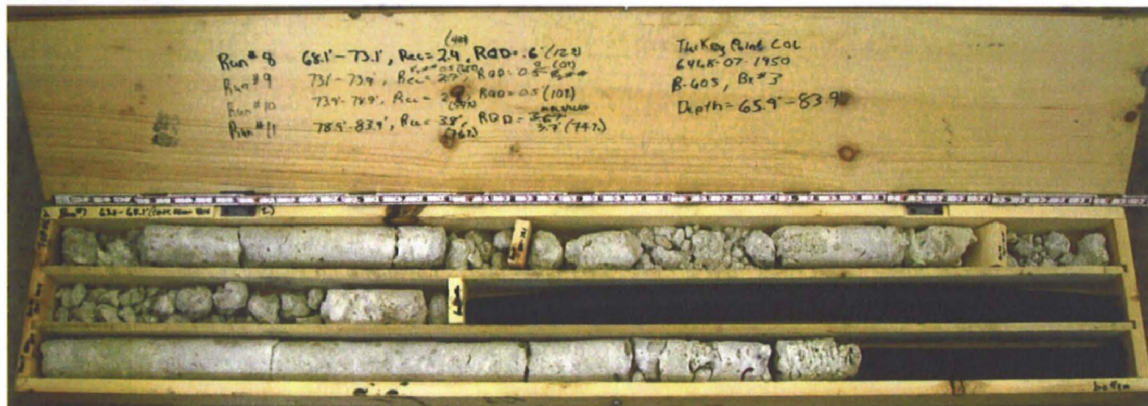
TURKEY POINT COL CORE TURKEY POINT.GPJ TURKEY POINT COL.GDI 8/18/08



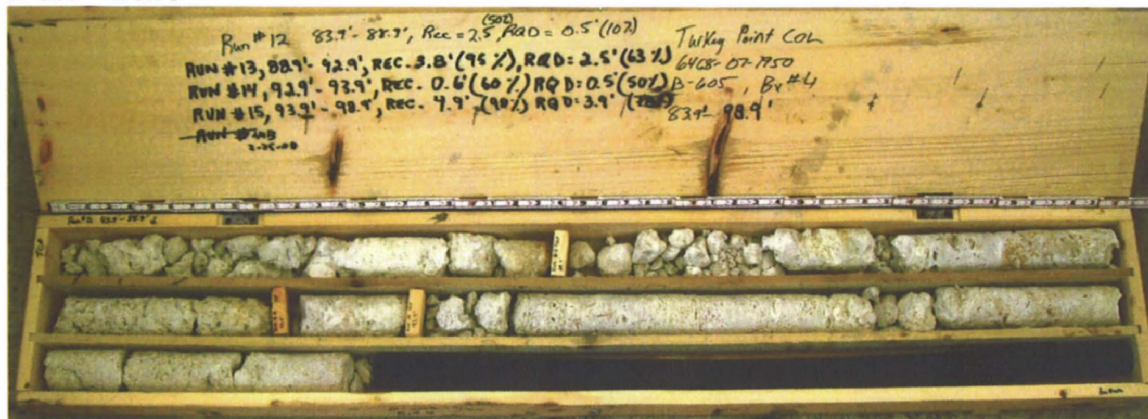
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B-605 - Box 2



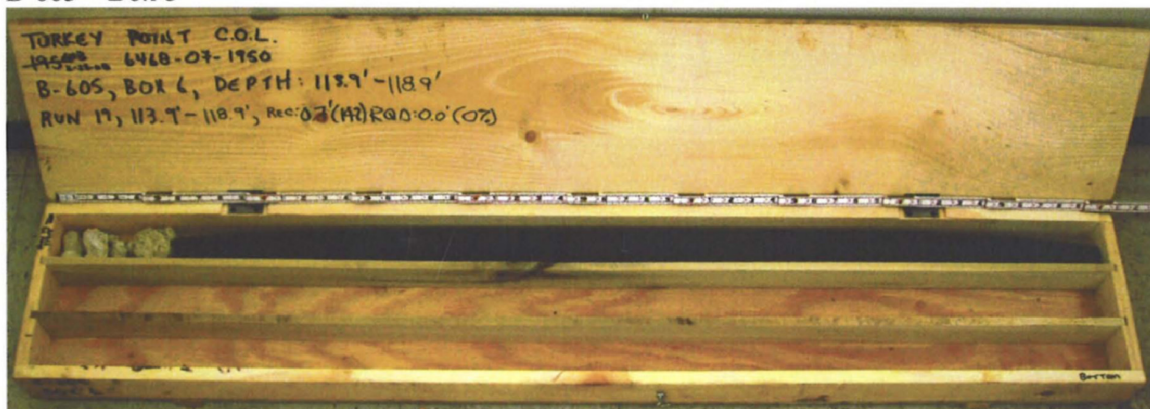
B-605 - Box 3



B-605 - Box 4



B-605 - Box 5



B-605 - Box 6



GEOTECHNICAL BORING LOG

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

SHEET 1 OF 3

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-606				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA			
GROUND ELEV.: -1.4 ft (NAVD88)				NORTHING: 396,959 US ft (NAD83/90)				EASTING: 876,738 US ft (NAD83/90)				24 HR. NA			
TOTAL DEPTH: 151.2 ft				BORING DIAMETER: 4" to 16.0', 3" to 151.2'				CASING DEPTH: 4" to 16.0', 3" to 125.9'				HAMMER (ID): 140 lb. Auto (MEC-03)			
DATE STARTED: 2/28/08				COMPLETED: 3/6/08				CORE SIZE: HQ3				BITS USED: 4" & 3" 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.				
-1.4					Ground Surface										
-1.4	0.0	WOR	WOR	WOR	0							606-1		-1.4	0.0
-3.9	2.5											606-2A/B		-4.4	3.0
-6.4	5.0	2	4	8											
-8.9	7.5	9	19	10								606-3			
												606-4			
-11.4	10.0	5	4	4								606-5			
-13.9	12.5	4	6	9								606-6			
-16.4	15.0	8	8	7								606-7			
-17.8	16.4	3	6	50/0.1								RUN-1			
-19.8	18.4											RUN-2			
-24.8	23.4											RUN-3		-25.4	24.0
-28.8	27.4											RUN-4			
-29.8	28.4											RUN-5			
-32.8	31.4											RUN-6			
-33.3	31.9											606-CS-01			
-34.8	33.4											606-CS-02			
-39.8	38.4											RUN-9			
-44.8	43.4														
-46.4	45.0											RUN-10			
												RUN-11			
-49.8	48.4													-49.8	48.4
												RUN-12			
-54.8	53.4											606-CS-04			
												RUN-13			
-59.8	58.4											RUN-14			
-64.8	63.4											RUN-15			
-68.8	67.4											RUN-16			
-69.8	68.4											RUN-17			
-74.8	73.4											RUN-18			

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



SHEET 2 OF 3

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade		GEOLOGIST: L. Bisson			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550 (ATL)				DRILLER: L. Carter/ J. Landeros				GROUND WATER (ft)	
BORING NO.: B-606				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.4 ft (NAVD88)				NORTHING: 396,959 US ft (NAD83/90)				EASTING: 876,738 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 151.2 ft		BORING DIAMETER: 4" to 16.0', 3" to 151.2'				CASING DEPTH: 4" to 16.0', 3" to 125.9'				HAMMER (ID):140 lb. Auto (MEC-03)			
DATE STARTED: 2/28/08		COMPLETED: 3/6/08		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	MOI	G	
-76.2					Continued from previous page								
-79.8	78.4										606-CS-05		LIMESTONE, boundstone, white (10YR8/1), hard, indurated, fossiliferous, strong HCl reaction, few vugs (Lower Fort Thompson Formation) (continued)
											RUN-19		
-84.8	83.4										606-CS-06		
											RUN-20		
-89.8	88.4										RUN-21		88.4ft: white (2.5Y8/1), moderately hard, trace sand
-94.8	93.4										RUN-22		93.4ft: white (2.5Y8/1), to very pale brown (2.5Y8/2), hard, trace vugs
-99.8	98.4										RUN-23		98.4ft: white (10YR8/1)
-104.8	103.4										RUN-24		
-109.8	108.4										RUN-25		108.4ft: white (5Y8/1)
-114.8	113.4										RUN-26		
-119.8	118.4	2	6	5							606-8		Silty SAND (SM), greenish gray (10Y6/1), medium dense, wet, fine grained sand, strong HCl reaction, trace shell fragments (Tamiami Formation) 119.4ft: fine to coarse grained sand, fine gravel
-131.1	129.7	3	6	13							606-9		
-141.1	139.7	12	12	19							606-10		139.7ft: olive gray (5Y5/2), dense
-151.1	149.7												

TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL GDI 5-30-08



SHEET 3 OF 3

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-606			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA			
GROUND ELEV.: -1.4 ft (NAVD88)			NORTHING: 396,959 US ft (NAD83/90)			EASTING: 876,738 US ft (NAD83/90)			24 HR. NA			
TOTAL DEPTH: 151.2 ft		BORING DIAMETER: 4" to 16.0', 3" to 151.2'		CASING DEPTH: 4" to 16.0', 3" to 125.9'		HAMMER (ID): 140 lb. Auto (MEC-03)						
DATE STARTED: 2/28/08		COMPLETED: 3/6/08		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			
-151.0					Continued from previous page							
		4	7	7	14					606-11		149.7ft: olive gray (5Y4/2), medium dense, fine to medium grained sand Boring Terminated at Elevation -152.6 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: L. Bisson			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550 (ATL)				DRILLER: L. Carter/ J. Landeros				GROUND WATER (ft)	
BORING NO.: B-606				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.4 ft (NAVD88)				NORTHING: 396,959 US ft (NAD83/90)				EASTING: 876,738 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 151.2 ft				CASING DEPTH: 4" to 16.0', 3" to 125.9'						HAMMER (ID): 140 lb. Auto (MEC-03)			
DATE STARTED: 2/28/08		COMPLETED: 3/6/08		CORE SIZE: HQ3		CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)							
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC (ft) %		RQD (ft) %	SAMP. NO.	STRATA REC (ft) %		RQD (ft) %	L O G	DESCRIPTION AND REMARKS	
												Begin Coring @ 16.4 ft	
-17.8	16.4	2.0	0:54	(2.0)	(1.2)		RUN-1	(7.0)	(5.1)			LIMESTONE, boundstone, white (10YR8/1), to light gray (10YR7/1), very soft, wet trace calcite crystals, trace shell fragments (Miami Formation) <i>(continued)</i> 16.4ft: light gray (10YR7/2), hard, indurated, fossiliferous, strong HCl reaction, little vugs 18.4ft: white (10YR8/1), to light gray (10YR8/2)	
-19.8	18.4	5.0	1:21	100%	60%		RUN-2	92%	67%				
			0:49	(5.0)	(3.9)								
			0:45	100%	78%								
			0:32										
			0:28										
-24.8	23.4		0:42										
		4.0	0:33	(3.2)	(0.7)		RUN-3						
			0:29	80%	18%			(21.4)	(13.3)			LIMESTONE, boundstone, light gray (10YR7/2), hard, indurated, coralline, fossiliferous, strong HCl reaction, few vugs (Upper Fort Thompson Formation)	
			0:52					88%	55%				
-28.8	27.4		0:30										
		1.0	0:18	(1.0)	(0.0)		RUN-4						
			1:18	100%	0%							27.4ft: light gray (10YR7/2) 28.4ft: light gray (10YR7/2), to pale brown (10YR6/3), some friable cemented sand	
		3.0	0:45	(2.0)	(0.5)		RUN-5						
			1:16	67%	17%								
		0.5	0:52/0.5	(0.5)	(0.0)		RUN-6						
-32.8	31.4		0:51/0.5	(0.5)	(0.0)							31.4ft: white (10YR8/1), soft to hard, friable to indurated, trace vugs 31.9ft: white (10YR8/1), to pale brown (10YR6/3), hard, indurated 33.4ft: white (10YR8/1), to light gray (10YR7/1), few vugs	
		1.5	1:14	100%	0%		RUN-7						
-33.3	31.9		1:06	(1.5)	(1.5)							606-CS-01	
		5.0	0:46	100%	100%		RUN-8						
			0:42	100%	100%							606-CS-02	
			0:33	(4.8)	(3.9)								
-39.8	38.4		0:41	96%	78%								
		5.0	0:58	(5.0)	(4.7)		RUN-9						
			0:55	100%	94%							38.4ft: white (10YR8/1)	
			1:02										
-44.8	43.4		0:57										
		1.6	1:00	(0.0)	(0.0)		RUN-10						
			0:48	0%	0%							43.4ft: no recovery (limestone) 45ft: grayish brown (10YR5/2), to light gray (10YR7/1) from 46.0ft to 48.4ft	
-46.4	45.0		0:51/0.6	(0.0)	(0.0)		RUN-11						
		3.4	0:03/0.4	(3.4)	(2.0)								
			1:21	100%	59%								
-49.8	48.4		1:26	(4.9)	(4.9)							LIMESTONE, boundstone, white (10YR8/1), hard, indurated, fossiliferous, strong HCl reaction, few vugs (Lower Fort Thompson Formation)	
		5.0	1:26	98%	98%		RUN-12	(56.8)	(35.2)				
			1:35	98%	98%			84%	52%				
			1:43										
			1:44									53.4ft: trace coral	
-54.8	53.4		2:02	(4.7)	(3.7)								
		5.0	1:45	94%	74%		RUN-13						
			1:02										
			0:38										
			0:41										
-59.8	58.4		0:15										
		5.0	0:31	(4.7)	(2.3)		RUN-14						
			0:29	94%	46%								
			0:28										
			0:27									63.4ft: white (10YR8/1), to light gray (10YR7/1)	
-64.8	63.4		0:18	(2.8)	(1.2)		RUN-15						
		4.0	0:28	70%	30%								
			0:43										
			0:37									67.4ft: no recovery (limestone) 68.4ft: light gray (10YR7/1)	
-68.8	67.4		0:38	(0.0)	(0.0)		RUN-16						
-69.8	68.4		1:09	0%	0%								
		1.0	0:24	(0.0)	(0.0)		RUN-17						
		5.0	1:22	(2.8)	(1.8)								
			0:27	56%	36%								
			0:37									73.4ft: white (10YR8/1), trace vugs	
-74.8	73.4		1:37	(3.0)	(2.4)		RUN-18						
		5.0	0:07	60%	48%							606-CS-05	
			0:03										
			0:04										
			1:58	(5.0)	(3.3)		RUN-19						
		5.0	2:23	100%	66%							606-CS-06	
			1:48										
			1:18										
			1:15	(5.0)	(3.3)		RUN-20						
			1:16	100%	62%								
			1:04										
-84.8	83.4		0:52	(5.0)	(3.1)								
		5.0	0:43	100%			RUN-21						
			0:58									88.4ft: white (2.5Y8/1), moderately hard, trace sand	
			1:52	(4.7)	(2.8)								
-89.8	88.4		1:43	94%	56%								
		5.0	2:07										
			1:36										
			0:32	(4.7)	(2.8)								
			1:16	94%	56%								
			1:16										

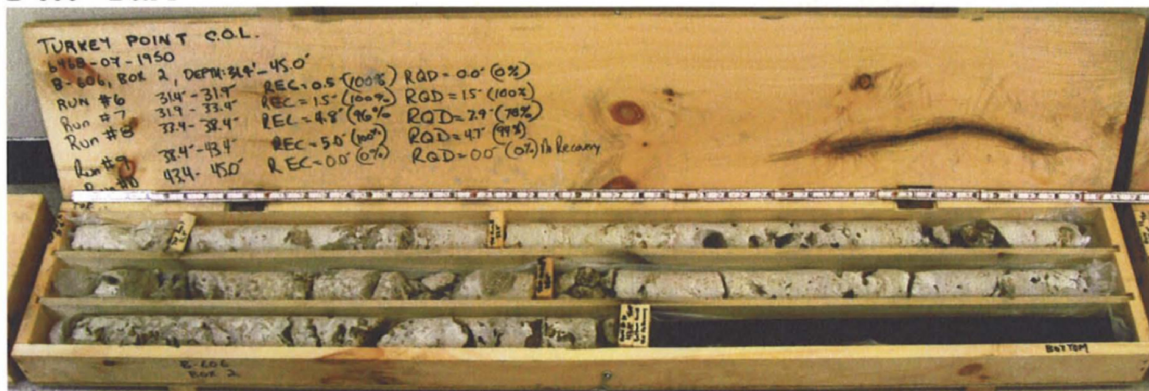
TURKEY POINT COL CORE TURKEY POINT GPT TURKEY POINT COL GDT 5/30/08

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	
BORING NO.: B-606		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core	
GROUND ELEV.: -1.4 ft (NAVD88)		NORTHING: 396,959 US ft (NAD83/90)		EASTING: 876,738 US ft (NAD83/90)	
TOTAL DEPTH: 151.2 ft		CASING DEPTH: 4" to 16.0', 3" to 125.9'			HAMMER (ID): 140 lb. Auto (MEC-03)
DATE STARTED: 2/28/08	COMPLETED: 3/6/08	CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)		

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



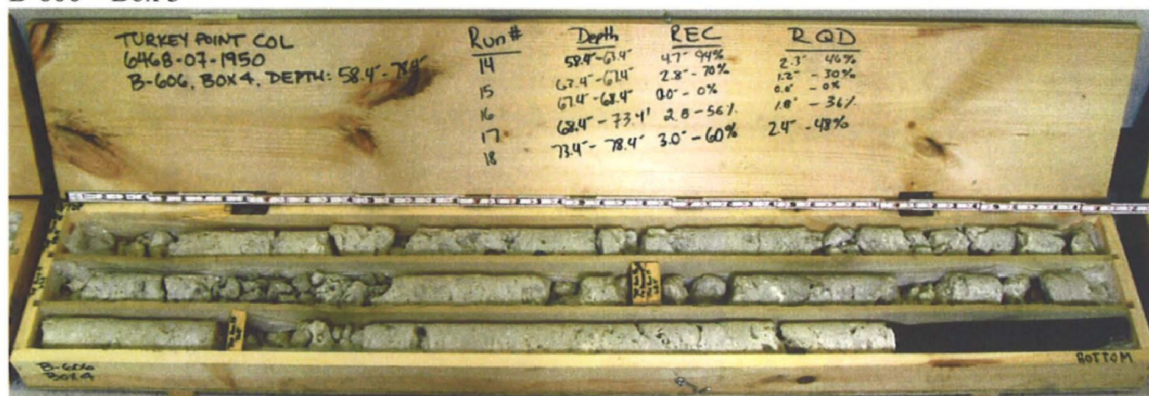
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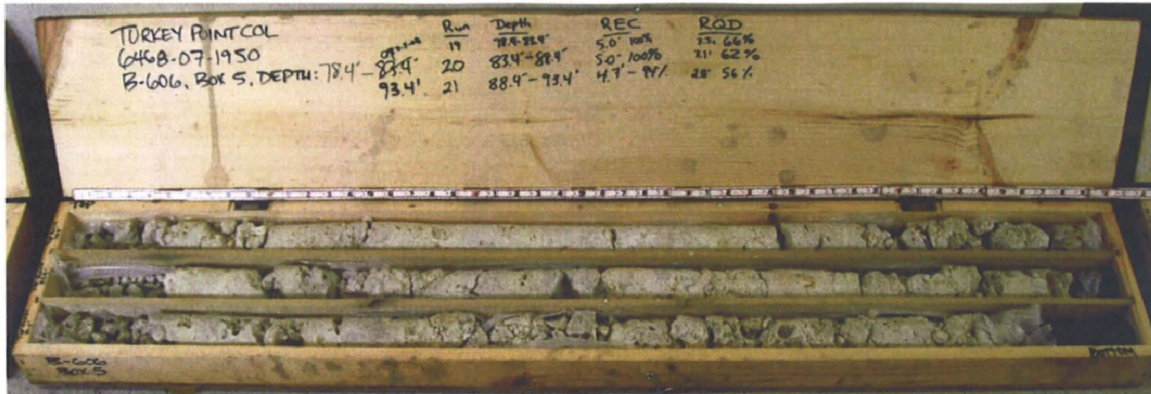
B-606 - Box 2



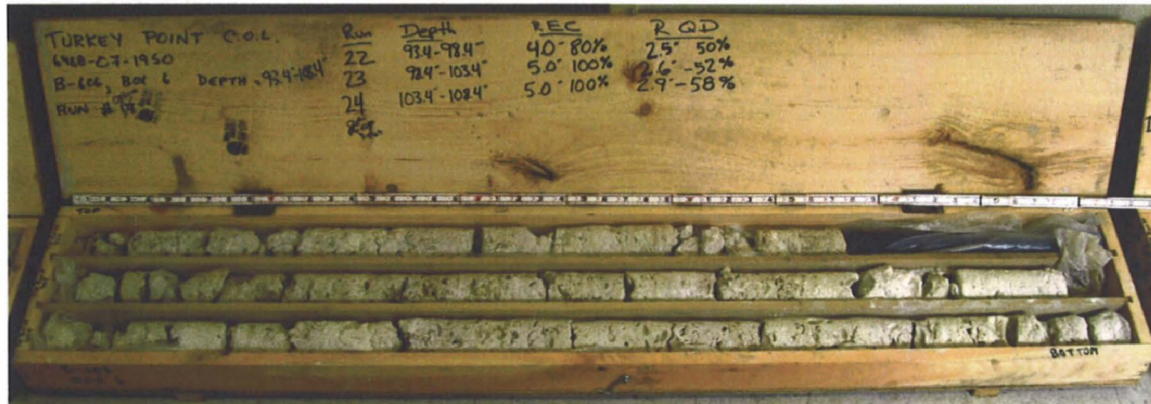
B-606 - Box 3



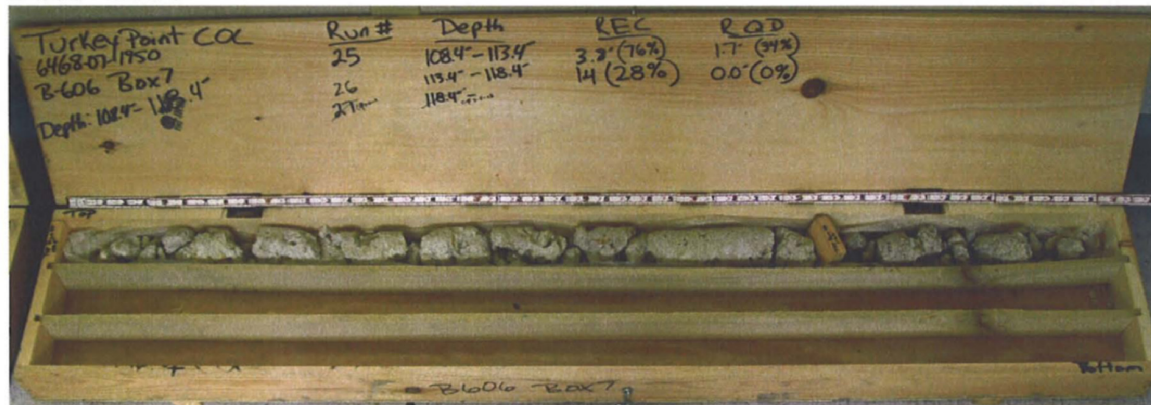
B-606 - Box 4



B-606 - Box 5



B-606 - Box 6



B-606 - Box 7



GEOTECHNICAL BORING LOG

Prepared By SP24 Date 7-10-08

Checked By Tom Date 7-10-08

SHEET 1 OF 3

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					BORING DIAMETER: 4" to 16.0', 3" to 152.5'					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			BITS USED: 4" & 3" Roller Cones		
ELEV.	DEPTH	BLOW COUNT			BLOWS PER FOOT					SAMP.	MOI	LOG	SOIL AND ROCK DESCRIPTION		
(ft)	(ft)	0.5ft	0.5ft	0.5ft	0	20	40	60	80	100				NO.	
-1.5					Ground Surface										
-1.5	0.0	WOR	WOR	WOR	0						607-1	-1.5	MUCK, light brownish gray (2.5Y6/2), to dark olive brown (2.5Y3/3), to black (2.5Y2.5/1), very soft, wet, organic, trace roots and shell fragments, no HCl reaction		
-4.0	2.5										607-2	-4.0	2.5		
-6.5	5.0	2	10	14							607-3		LIMESTONE, boundstone, pale yellow (2.5Y8/2), soft, wet, trace fines, fossiliferous, strong HCl reaction, oolitic (Miami Formation)		
-9.0	7.5	8	7	7							607-4		5.0ft: white (2.5Y8/1), very soft		
-11.5	10.0	8	6	4							607-5		7.5ft: very pale brown (10YR8/2), to pale brown (10YR6/3), loose		
-14.0	12.5	4	4	4							607-6		10.0ft: white (2.5Y8/1)		
-16.5	15.0	6	10	18							607-7		12.5ft: light gray (2.5Y7/1), soft		
-17.5	16.0	11	50/0.1								607-7		15.0ft: very pale brown (10YR8/2), hard		
-19.8	18.3										RUN-1		16.0ft: Switch sampling method to coring		
											RUN-2		16.0ft: white (2.5Y8/1), hard, indurated, trace fines, fossiliferous, strong HCl reaction, locally interconnected vugs		
-24.8	23.3										RUN-3	-25.5	24.0		
											607-CS-01		LIMESTONE, boundstone, very pale brown (10YR8/2), hard, indurated, fossiliferous, trace fines, strong HCl reaction, trace vugs (Upper Fort Thompson Formation)		
-29.8	28.3										RUN-4				
											RUN-5		33.3ft: white (2.5Y8/1), extremely indurated, recrystallized calcite, few vugs		
-34.8	33.3										607-CS-02				
											RUN-6		38.3ft: indurated		
-39.8	38.3										607-CS-03				
											RUN-7		43.3ft: moderately hard, trace sand		
-44.8	43.3										RUN-8		45.9ft: gray (2.5Y6/1) to 47.7ft		
-49.8	48.3										607-CS-04	-49.2	47.7		
											RUN-9		LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, fossiliferous, trace to few vugs, strong HCl reaction (Lower Fort Thompson Formation)		
-54.8	53.3										RUN-10		53.3ft: medium hard to hard		
											607-CS-05				
-59.8	58.3										RUN-11		58.3ft: hard, trace vugs		
											RUN-12		63.3ft: moderately hard, moderately indurated, sandy		
-64.8	63.3										RUN-13		68.3ft: light gray (2.5Y7/2), indurated		
-69.8	68.3												73.3ft: white (2.5Y8/1)		
-74.8	73.3														

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



SHEET 2 OF 3

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			BORING DIAMETER: 4" to 16.0', 3" to 152.5'					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			BITS USED: 4" & 3" 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					
-76.3					Continued from previous page										
-79.8	78.3										RUN-14		LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, fossiliferous, trace to few vugs, strong HCl reaction (Lower Fort Thompson Formation) (continued) 78.3ft: moderately indurated 80.3ft: hard, indurated, trace sand, few vugs		
-81.8	80.3										RUN-15				
-84.8	83.3										RUN-16				
-89.8	88.3										RUN-17		88.3ft: moderately hard to hard		
-94.8	93.3										RUN-18				
-99.8	98.3										RUN-19				
-104.8	103.3										607-CS-06				
-109.8	108.3										RUN-20				
-114.8	113.3										RUN-21		108.3ft: hard to soft, indurated to friable		
-119.8	118.3	5	11	10							RUN-22				
											607-8		-116.5 Silty SAND (SM), light gray (2.5Y7/1), medium dense, wet, fine grained sand, strong HCl reaction, trace shell fragments (Tamiami Formation) 118.3ft: Switch sampling method to SPT		
-131.0	129.5	3	4	7							607-9		129.5ft: olive (5Y5/3), weak to strong HCl reaction, fine to medium grained sand		
-141.0	139.5	9	10	12							607-10		-141.0 Clayey, Silty SAND (SC-SM), olive (5Y5/3), medium dense, wet, weak HCl reaction, fine to coarse sand		
-151.0	149.5														

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



SHEET 3 OF 3

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			BORING DIAMETER: 4" to 16.0', 3" to 152.5'			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			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	MOI			
-151.1					Continued from previous page									
-152.5	151.0	6	6	9	● 15					607-11		-152.5	149.5ft: weak to strong HCl reaction	151.0
		4	5	11	● 16					607-12		-154.0	Silty SAND (SC-SM), olive (5Y5/3), medium dense, wet, fine to coarse sand, fine gravel, weak HCl reaction	152.5
													Boring Terminated at Elevation -154.0 ft	

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