



SHEET 2 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: P. Pitts/ R. Landeros			GROUND WATER (ft)	
BORING NO.: B-705					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core			0 HR. NA	
GROUND ELEV.: -1.3 ft (NAVD88)					NORTHING: 396,919 US ft (NAD83/90)					EASTING: 875,846 US ft (NAD83/90)			24 HR. NA	
TOTAL DEPTH: 200.0 ft			BORING DIAMETER: 4" to 35.0', 3" to 200.0'					CASING DEPTH: 4" to 35.0', 3" to 135.0'			HAMMER (ID): 140 lb. Auto (MEC-05)			
DATE STARTED: 2/22/08			COMPLETED: 2/24/08			CORE SIZE: HQ3			BITS USED: 2 15/16" Roller Cone					
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				
-76.1					Continued from previous page									
-79.8	78.5										RUN-10			LIMESTONE, boundstone, white (10YR8/1), hard, indurated, fossiliferous, little vugs, few recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation) (continued)
-84.8	83.5										RUN-11			78.5ft: moderately hard to hard, moderately indurated to indurated, few vugs
-89.8	88.5										RUN-12			83.5ft: hard, indurated
-94.8	93.5										RUN-13			88.5ft: mostly shell molds and casts
-99.8	98.5										RUN-14			
-104.8	103.5										RUN-15			103.5ft: extremely indurated
-109.8	108.5										RUN-16			108.5ft: indurated
-114.8	113.5										RUN-17			
-119.8	118.5	4	6	8		4					705-12			113.5ft: very soft, friable
-124.8	123.5	5	12	8		20					705-13			Silty SAND (SM), greenish gray (10YR6/1), medium dense, wet, fine to coarse grained sand, weak HCl reaction, little fines, trace shell fragments, fine gravel (Tamiami Formation)
-129.8	128.5	4	4	7		11					705-14			118.5ft: Switch sampling method to SPT
-134.8	133.5	5	8	11		19					705-15			118.5ft: no recovery
-139.8	138.5	4	5	6		11					705-16			123.5ft: LIMESTONE, boundstone, pale yellow (2.5Y7/3), very soft, friable, wet, strong HCl reaction, fragmented, sandy
-144.8	143.5	7	11	11		22					705-17			133.5ft: few cemented sand pockets
-149.8	148.5	5	8	14		22					705-18			138.5ft: greenish gray (5GY6/1), strong HCl reaction, fine to medium grained sand
														143.5ft: trace shell fragments

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



SHEET 3 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: P. Pitts/ R. Landeros			GROUND WATER (ft)				
BORING NO.: B-705			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA				
GROUND ELEV.: -1.3 ft (NAVD88)			NORTHING: 396,919 US ft (NAD83/90)			EASTING: 875,846 US ft (NAD83/90)			24 HR. NA				
TOTAL DEPTH: 200.0 ft			BORING DIAMETER: 4" to 35.0', 3" to 200.0'			CASING DEPTH: 4" to 35.0', 3" to 135.0'			HAMMER (ID): 140 lb. Auto (MEC-05)				
DATE STARTED: 2/22/08			COMPLETED: 2/24/08			CORE SIZE: HQ3			BITS USED: 2 15/16" Roller Cone				
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		
-150.9					Continued from previous page								
-154.8	153.5	3	6	9		15					705-19		148.5ft: weak HCl reaction Silty SAND (SM), greenish gray (10YR6/1), medium dense, wet, fine to coarse grained sand, weak HCl reaction, little fines, trace shell fragments, fine gravel (Tamiami Formation) (continued)
-159.8	158.5	3	5	7		12					705-20		
-164.8	163.5	5	6	14		20					705-21		
-169.8	168.5	3	5	10		15					705-22		
-174.8	173.5	2	3	4		7					705-23		-174.8 Sandy SILT (ML), greenish gray (5GY6/1), loose, wet, fine grained sand, strong HCl reaction 173.5
-179.8	178.5	2	3	4		7					705-24		
-184.8	183.5	2	5	15		20					705-25		183.5ft: very stiff
-189.8	188.5	2	3	6		9					705-26		188.5ft: stiff, strong HCl reaction
-194.8	193.5	2	3	10		13					705-27		
-199.8	198.5	3	5	15		20					705-28		-201.3 198.5ft: very stiff 200.0
													Boring Terminated at Elevation -201.3 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
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550X (ATL)	DRILLER: P. Pitts/ R. Landeros	GROUND WATER (ft)
BORING NO.: B-705	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.3 ft (NAVD88)	NORTHING: 396,919 US ft (NAD83/90)	EASTING: 875,846 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 200.0 ft	CASING DEPTH: 4" to 35.0', 3" to 135.0'	HAMMER (ID): 140 lb. Auto (MEC-05)	
DATE STARTED: 2/22/08	COMPLETED: 2/24/08	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 @ 35.0 ft
-36.3	35.0	3.5	1:50 1:27 1:28	(1.6) 46%	(0.4) 11%	RUN-1	(10.2) 83%	(7.2) 59%		LIMESTONE, boundstone, white (5Y8/1), medium hard, moderately indurated, wet, strong HCl reaction, fossiliferous (Upper Fort Thompson Formation)
-39.8	38.5	5.0	0:53/0.5 0:50 0:59 0:45 0:52 0:59	(4.8) 96%	(4.0) 80%	RUN-2				28.0ft: loss of circulation (<i>continued</i>) 35.0ft: white (10YR8/1), hard, indurated, fossiliferous, strong HCl reaction, coralline 38.5ft: recrystallized calcite
-44.8	43.5	5.0	1:00 2:05 1:06 0:49 1:02	(5.0) 100%	(2.8) 56%	RUN-3				43.5ft: white (10YR8/1) to 45.8ft then gray (2.5Y6/1) to 47.3ft, little vugs
-49.8	48.5	5.0	1:12 1:04 1:17 1:14 0:49	(5.0) 100%	(4.4) 88%	RUN-4	(50.6) 75%	(32.6) 48%	-48.6	LIMESTONE, boundstone, white (10YR8/1), hard, indurated, fossiliferous, little vugs, few recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation) 48.5ft: few vugs
-54.8	53.5	5.0	0:57 0:48 0:58 0:45 0:58	(4.9) 98%	(2.1) 42%	RUN-5				
-59.8	58.5	5.0	0:38 0:44 1:20 1:15 1:06	(5.0) 100%	(5.0) 100%	RUN-6				58.5ft: extremely indurated
-64.8	63.5	5.0	0:44 0:51 0:35 0:47 0:35	(3.1) 62%	(2.0) 40%	RUN-7				63.5ft: indurated
-69.8	68.5	5.0	0:48 0:47 0:32 0:28 0:23	(2.0) 40%	(0.4) 8%	RUN-8				68.5ft: some vugs
-74.8	73.5	5.0	0:48 0:47 0:40 0:58 1:07	(4.2) 84%	(1.8) 36%	RUN-9				73.5ft: little vugs
-79.8	78.5	5.0	0:42 0:32 0:40 0:45 0:48	(4.2) 84%	(2.2) 44%	RUN-10				78.5ft: moderately hard to hard, moderately indurated to indurated, few vugs
-84.8	83.5	5.0	0:25 0:31 0:45 1:21 1:58	(3.8) 76%	(2.4) 48%	RUN-11				83.5ft: hard, indurated
-89.8	88.5	5.0	0:38 0:33 0:40 0:36 0:37	(4.0) 80%	(2.3) 46%	RUN-12				88.5ft: mostly shell molds and casts
-94.8	93.5	5.0	0:25 0:33 1:29 0:27 0:25	(0.8) 16%	(0.0) 0%	RUN-13				
-99.8	98.5	5.0	0:23 0:32 0:31 0:39 0:39	(3.7) 74%	(2.3) 46%	RUN-14				
-104.8	103.5	5.0	0:48 0:41 0:32 0:34 0:30	(5.0) 100%	(5.0) 100%	RUN-15				103.5ft: extremely indurated
-109.8	108.5	5.0	0:31	(3.4)	(2.7)	RUN-16				108.5ft: indurated

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

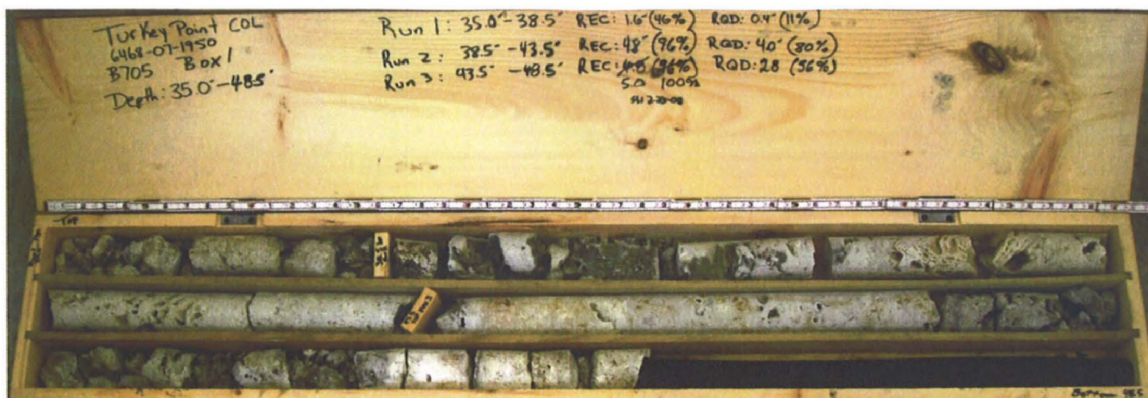


SHEET 2 OF 2

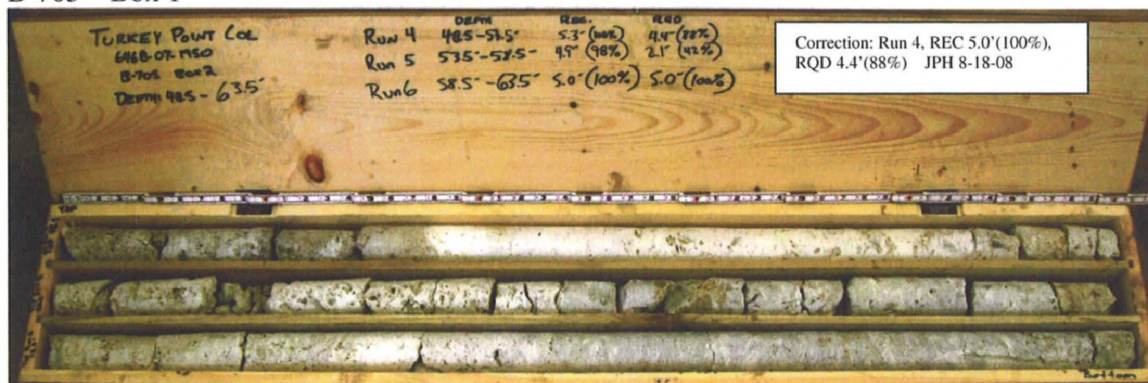
BECHTEL PROJECT NO.: 25409			MACTEC PROJECT NO.: 6468-07-1950			COUNTY: Miami-Dade			GEOLOGIST: S. Woodham		
SITE DESCRIPTION: Turkey Point COL			DRILL MACHINE: CME-550X (ATL)			DRILLER: P. Pitts/ R. Landeros			GROUND WATER (ft)		
BORING NO.: B-705			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA		
GROUND ELEV.: -1.3 ft (NAVD88)			NORTHING: 396,919 US ft (NAD83/90)			EASTING: 875,846 US ft (NAD83/90)			24 HR. NA		
TOTAL DEPTH: 200.0 ft			CASING DEPTH: 4" to 35.0', 3" to 135.0'						HAMMER (ID): 140 lb. Auto (MEC-05)		
DATE STARTED: 2/22/08			COMPLETED: 2/24/08			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) %		
										Continued from previous page
-114.8	113.5		0:26 0:27 0:31 0:25	68%	54%					LIMESTONE, boundstone, white (10YR8/1), hard, indurated, fossiliferous, little vugs, few recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation) (continued)
		5.0	1:18 0:29 0:30 0:35 0:31	(0.3) 6%	(0.0) 0%	RUN-17				113.5ft: very soft, friable
-119.8	118.5						(0.0) 0%	(NA)		Silty SAND (SM), greenish gray (10YR6/1), medium dense, wet, fine to coarse grained sand, weak HCl reaction, little fines, trace shell fragments, fine gravel (Tamiami Formation)
										Coring Terminated at Elevation -119.8

TURKEY POINT COL CORE TURKEY POINT GPJ TURKEY POINT COL GDT 5.30-08



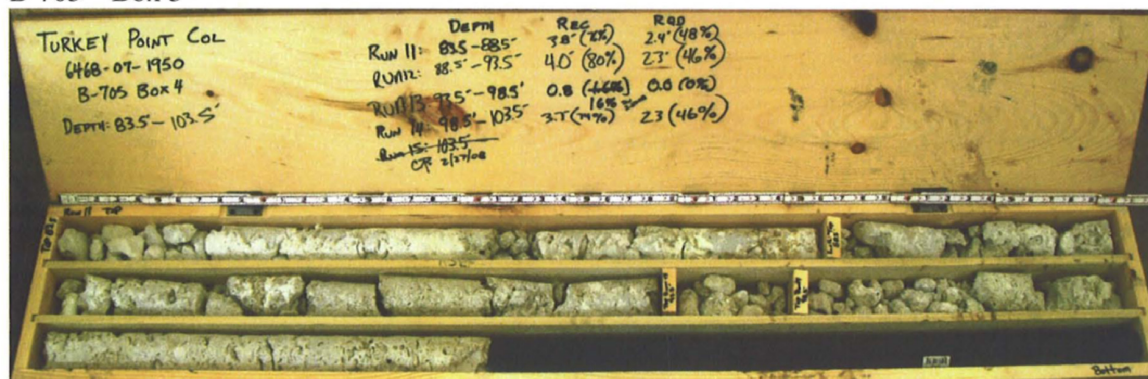
B-705 - Box 1



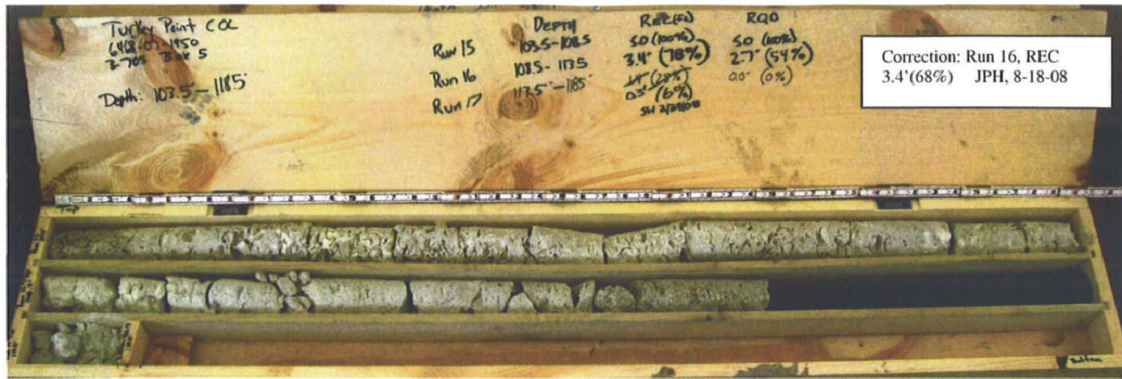
B-705 - Box 2



B-705 - Box 3



B-705 - Box 4



B-705 - Box 5



GEOTECHNICAL BORING LOG

Prepared By SPF Date 8-19-08Checked By SJC Date 9/19/08

SHEET 1 OF 3

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-706					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core					0 HR. NA	
GROUND ELEV.: -1.2 ft (NAVD88)					NORTHING: 396,963 US ft (NAD83/90)					EASTING: 875,885 US ft (NAD83/90)					24 HR. NA	
TOTAL DEPTH: 151.9 ft			BORING DIAMETER: 3" to 151.9'					CASING DEPTH: 3" to 117.3'					HAMMER (ID): 140 lb. Auto (07)			
DATE STARTED: 2/9/08			COMPLETED: 2/13/08			CORE SIZE: HQ3			BITS USED: 2 15/16" Drag Bit & 2 15/16" Roller Cone							
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						
-1.2					Ground Surface											
-1.2	0.0	WOH	WOH	WOH	0						706-1		-1.2	MUCK, brown (10YR5/3), to very pale brown (10YR7/3), very soft, moist, organics, strong HCl reaction		
-4.3	3.1										706-2		-4.4	Field notes do not indicate sample 706-2 was split into separate jars		
		7	6	7										LIMESTONE, boundstone, pale yellow (5Y8/2), very soft, moist to wet, strong HCl reaction (Miami Formation)		
-7.2	6.0										706-3			6.0ft: hard, fossiliferous, oolitic		
-9.2	8.0	5	50	29							706-4			8.0ft: very soft		
		3	4	4							706-5			10.5ft: hard		
-11.7	10.5										706-6			12.0ft: some loss of circulation		
-14.1	12.9	4	9	48							706-7			12.9ft: soft		
		8	19	11							RUN-1			15.7ft: hard		
-16.9	15.7													16.0ft: Switch sampling method to coring		
-17.2	16.0	50/0.3												16.0ft: pale yellow (5Y8/2), hard, indurated, fossiliferous, little vugs, and white (N8/) cemented sands, blocky, strong HCl reaction		
											RUN-2			24.5 to 25.0ft: soft zone		
-22.2	21.0													24.5ft: Switch sampling method to SPT		
-27.2	26.0	3	1	6							706-8		-25.7	Silty SAND (SP-SM), pale yellow (5Y8/2), loose, wet, trace shell fragments, angular, gravel-size limestone fragments		
														24.5ft: total loss of circulation		
-32.0	30.8										RUN-3		-32.4	30.8ft: Switch sampling method to coring		
														LIMESTONE, boundstone, pale yellow (5Y8/2), moderately hard, indurated, fossiliferous, little vugs, trace sand in vugs, strong HCl reaction, coralline (Upper Fort Thompson Formation)		
-37.0	35.8										RUN-4					
											RUN-5					
-42.0	40.8															
											RUN-6			45.8 white (5Y8/1) to 48.0ft, few vugs		
-47.0	45.8												-49.2	LIMESTONE, boundstone, pale yellow (5Y8/2), moderately hard, indurated, little vugs, porous, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)		
											RUN-7			50.8ft: white (5Y8/1), few vugs		
-52.0	50.8															
											RUN-8					
-57.0	55.8															
											RUN-9					
-62.0	60.8															
											RUN-10			69.7ft: 0.5ft-thick layer of sand		
-67.0	65.8															
											RUN-11			70.8ft: 0.2ft-thick layer of sand		
-72.0	70.8															

TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL GDT S 18 US



SHEET 2 OF 3

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-706				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR.		NA	
GROUND ELEV.: -1.2 ft (NAVD88)				NORTHING: 396,963 US ft (NAD83/90)				EASTING: 875,885 US ft (NAD83/90)				24 HR.		NA	
TOTAL DEPTH: 151.9 ft		BORING DIAMETER: 3" to 151.9'				CASING DEPTH: 3" to 117.3'				HAMMER (ID): 140 lb. Auto (07)					
DATE STARTED: 2/9/08		COMPLETED: 2/13/08		CORE SIZE: HQ3				BITS USED: 2 15/16" Drag Bit & 2 15/16" Roller Cone							
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					
-76.0					Continued from previous page										
-77.0	75.8										RUN-12			LIMESTONE, boundstone, pale yellow (5Y8/2), moderately hard, indurated, little vugs, porous, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued)	
-82.0	80.8										RUN-13			80.8ft: little vugs 83.0ft to 84.0ft: soft zone	
-87.0	85.8										RUN-14			85.8ft: few vugs 87.0ft to 90.0ft: soft zone	
-92.0	90.8										RUN-15			91.0ft to 94.0ft: soft zone	
-97.0	95.8										RUN-16				
-102.0	100.8										RUN-17			100.8ft: some vugs 104.0ft to 105.8ft: soft zone	
-107.0	105.8										RUN-18			105.8ft: few vugs	
-112.0	110.8										RUN-19				
-117.0	115.8	5	17	17							706-9		-115.2	115.8ft: Switch sampling method to SPT POORLY GRADED SAND with silt (SP-SM), white (5Y8/1), dense, wet, fine to coarse grained sand, fine angular sandstone and limestone gravel fragments/lenses, weak HCl reaction (Tamiami Formation)	
-122.0	120.8	3	4	8							706-10			120.8ft: pale yellow (5Y7/3), medium dense	
-127.1	125.9	3	4	8							706-11		-127.1	125.9	Silty SAND (SM), pale yellow (5Y7/3), medium dense, wet, fine to medium grained sand, fine gravel, strong HCl reaction
-131.6	130.4	3	4	5							706-12				130.4ft: light gray (5Y7/2), loose, trace shell fragments
-136.6	135.4	4	3	4							706-13				135.4ft: strong to weak HCl reaction, fine to coarse grained sand
-141.6	140.4	7	8	10							706-14				140.4ft: light olive gray (5Y6/2), medium dense, strong HCl reaction
-146.6	145.4	5	8	16							706-15		-146.6	145.4	Silty GRAVEL with sand (GM), light olive gray (5Y6/2), medium dense, wet, fine to coarse gravel sized cemented sand fragments, fine to coarse grained sand, strong HCl reaction

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



SHEET 3 OF 3

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-706			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA			
GROUND ELEV.: -1.2 ft (NAVD88)			NORTHING: 396,963 US ft (NAD83/90)			EASTING: 875,885 US ft (NAD83/90)			24 HR. NA			
TOTAL DEPTH: 151.9 ft			BORING DIAMETER: 3" to 151.9'			CASING DEPTH: 3" to 117.3'			HAMMER (ID): 140 lb. Auto (07)			
DATE STARTED: 2/9/08			COMPLETED: 2/13/08			CORE SIZE: HQ3			BITS USED: 2 15/16" Drag Bit & 2 15/16" Roller Cone			
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	
-150.8					Continued from previous page							
-151.6	150.4	4	6	9	15					706-16	151.9	
Boring Terminated at Elevation -153.1 ft												

TURKEY POINT COL BORE TURKEY POINT GP1 TURKEY POINT COL GDF 8/18/08



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-706	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.2 ft (NAVD88)	NORTHING: 396,963 US ft (NAD83/90)	EASTING: 875,885 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 151.9 ft	CASING DEPTH: 3" to 117.3'	HAMMER (ID): 140 lb. Auto (07)	
DATE STARTED: 2/9/08	COMPLETED: 2/13/08	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
-17.2	16.0	5.0	2.20 3.18 0.58 0.53 0.52	(2.8) 56%	(0.9) 18%	RUN-1	(3.7) 44%	(0.9) 11%		LIMESTONE, boundstone, pale yellow (5Y8/2), very soft, moist to wet, strong HCl reaction (Miami Formation) (continued) 16.0ft: pale yellow (5Y8/2), hard, indurated, fossiliferous, little vugs, and white (N8/) cemented sands, blocky, strong HCl reaction
-22.2	21.0									
		5.0	1.01 1.42 1.23 1.01 0.23	(0.9) 18%	(0.0) 0%	RUN-2				24.5 to 25.0ft: soft zone
-27.2	26.0						(0.4) 21%	(NA)		-25.7 24.5ft: Switch sampling method to SPT Silty SAND (SP-SM), pale yellow (5Y8/2), loose, wet, trace shell fragments, angular, gravel-size limestone fragments
			N=7			706-8				24.5ft: total loss of circulation 30.8ft: Switch sampling method to coring
-32.0	30.8	5.0	0.56 0.56 1.24 2.12 1.12	(2.5) 50%	(0.9) 18%	RUN-3	(13.9) 86%	(10.4) 65%		-32.4 LIMESTONE, boundstone, pale yellow (5Y8/2), moderately hard, indurated, fossiliferous, little vugs, trace sand in vugs, strong HCl reaction, coralline (Upper Fort Thompson Formation)
-37.0	35.8									
		5.0	2.06 1.45 1.00 3.25 4.23	(4.6) 92%	(3.9) 78%	RUN-4				
-42.0	40.8									
		5.0	2.44 2.37 1.09 2.19 4.30	(5.0) 100%	(4.1) 82%	RUN-5				
-47.0	45.8									
		5.0	2.49 1.41 2.45 6.16 6.22	(4.3) 86%	(3.5) 70%	RUN-6				45.8 white (5Y8/1) to 48.0ft, few vugs
-52.0	50.8						(51.1) 77%	(43.3) 66%		-49.2 LIMESTONE, boundstone, pale yellow (5Y8/2), moderately hard, indurated, little vugs, porous, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) 50.8ft: white (5Y8/1), few vugs
		5.0	3.18 2.22 3.45 0.50 0.45	(3.6) 72%	(3.3) 66%	RUN-7				
-57.0	55.8									
		5.0	1.05 5.40 1.32 1.30 1.20	(4.8) 96%	(4.1) 82%	RUN-8				
-62.0	60.8									
		5.0	1.11 1.12 0.38 1.09 1.47	(4.6) 92%	(4.6) 92%	RUN-9				
-67.0	65.8									
		5.0	1.20 0.54 1.09 0.53 1.16	(4.1) 82%	(3.5) 70%	RUN-10				69.7ft: 0.5ft-thick layer of sand
-72.0	70.8									
		5.0	2.10 2.00 2.04 2.00 2.24	(5.0) 100%	(4.8) 96%	RUN-11				70.8ft: 0.2ft-thick layer of sand
-77.0	75.8									
		5.0	1.44 2.13 1.25 1.47 2.17	(5.0) 100%	(5.0) 100%	RUN-12				
-82.0	80.8									
		5.0	0.45 0.57 0.58 1.02 0.28	(3.7) 74%	(3.0) 60%	RUN-13				80.8ft: little vugs 83.0ft to 84.0ft: soft zone
-87.0	85.8									
		5.0	1.51 0.45 1.00 1.04 0.50	(2.8) 56%	(1.8) 36%	RUN-14				85.8ft: few vugs 87.0ft to 90.0ft: soft zone
-92.0	90.8									

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: 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-706	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.2 ft (NAVD88)	NORTHING: 396,963 US ft (NAD83/90)	EASTING: 875,885 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 151.9 ft	CASING DEPTH: 3" to 117.3'	HAMMER (ID): 140 lb. Auto (07)	
DATE STARTED: 2/9/08	COMPLETED: 2/13/08	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
-97.0	95.8	5.0	0.25 0.15 0.58 0.59 0.41	(3.5) 70%	(2.2) 44%	RUN-15				91.0ft to 94.0ft: soft zone LIMESTONE, boundstone, pale yellow (5Y8/2), moderately hard, indurated, little vugs, porous, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued)
-102.0	100.8	5.0	1.20 0.45 0.39 0.45 0.51	(1.9) 38%	(0.7) 14%	RUN-16				
-107.0	105.8	5.0	0.45 0.48 0.38 0.46 0.45	(5.0) 100%	(4.8) 96%	RUN-17				100.8ft: some vugs 104.0ft to 105.8ft: soft zone
-112.0	110.8	5.0	0.46 0.52 0.38 0.42 0.41	(4.1) 82%	(3.3) 66%	RUN-18				105.8ft: few vugs
-117.0	115.8	5.0	1.43 0.37 0.35 0.29 0.19	(0.7) 14%	(0.0) 0%	RUN-19	(0.0) 0%	(NA)		115.8ft: Switch sampling method to SPT POORLY GRADED SAND with silt (SP-SM), white (5Y8/1), dense, wet, fine to coarse grained sand, fine angular sandstone and limestone gravel fragments/lenses, weak HCl reaction (Tamiami Formation) Coring Terminated at Elevation -117.0

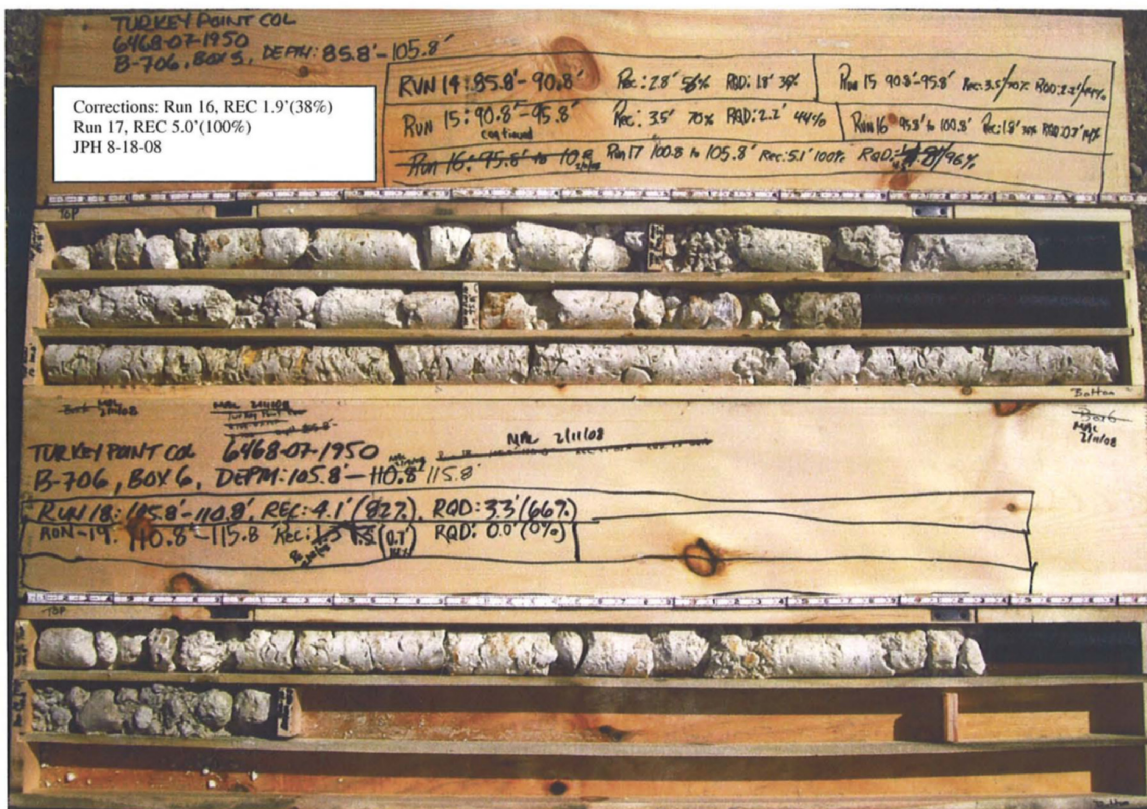
TURKEY POINT COL CORE TURKEY POINT GPJ TURKEY POINT COL GDT 8/18/08



B-706 - Box 1
B-706 - Box 2



B-706 - Box 3
B-706 - Box 4



B-706 - Box 5

B-706 - Box 6



GEOTECHNICAL BORING LOG

Prepared By DPH Date 5-30-08Checked By [Signature] Date 5-30-08

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 (Miller)		DRILLER: R. White/ J. Dugger		GROUND WATER (ft)							
BORING NO.: B-707		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA							
GROUND ELEV.: -1.8 ft (NAVD88)		NORTHING: 396,829 US ft (NAD83/90)		EASTING: 875,791 US ft (NAD83/90)		24 HR. NA							
TOTAL DEPTH: 152.0 ft		BORING DIAMETER: 4" to 24.9', 3" to 152.0'		CASING DEPTH: 4" to 24.9', 3" to 110.0'		HAMMER (ID): 140 lb. Auto (M06)							
DATE STARTED: 2/13/08		COMPLETED: 2/21/08		CORE SIZE: HQ3		BITS USED: 2 15/16" & 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			
-1.8					Ground Surface								
-1.8	0.0	WOH	WOH	WOH	0						707-1		-1.8
-4.3	2.5	WOH	2	2	4						707-2		-3.8
-6.8	5.0	2	7	8	15						707-3		2.0
-9.3	7.5	5	22	7	29						707-4		
-11.8	10.0	2	5	10	15						707-5		
-14.3	12.5	1	3	7	10						707-6		
-16.8	15.0	2	5	13	18						707-7		
-21.8	20.0	3	19	33	52						707-8		
-26.8	25.0										707-9		-25.8
-27.1	25.3	50/0.3									RUN-1		24.0
-30.6	28.8										RUN-2		
-35.6	33.8										RUN-3		
-40.6	38.8										RUN-4		
-45.6	43.8										RUN-5		
-50.6	48.8										RUN-6		-50.6
-55.6	53.8										RUN-7		48.8
-60.6	58.8										RUN-8		
-65.6	63.8										RUN-9		
-70.6	68.8										RUN-10		
-75.6	73.8										RUN-11		

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 (Miller)			DRILLER: R. White/ J. Dugger			GROUND WATER (ft)					
BORING NO.: B-707			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA					
GROUND ELEV.: -1.8 ft (NAVD88)			NORTHING: 396,829 US ft (NAD83/90)			EASTING: 875,791 US ft (NAD83/90)			24 HR. NA					
TOTAL DEPTH: 152.0 ft			BORING DIAMETER: 4" to 24.9', 3" to 152.0'			CASING DEPTH: 4" to 24.9', 3" to 110.0'			HAMMER (ID): 140 lb. Auto (M06)					
DATE STARTED: 2/13/08			COMPLETED: 2/21/08			CORE SIZE: HQ3			BITS USED: 2 15/16" & 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	MOI			
-76.6		Continued from previous page												
-80.6	78.8												LIMESTONE, boundstone, white (10YR8/1), hard, indurated, fossiliferous, few vugs (Lower Fort Thompson Formation) (continued)	
-85.6	83.8													
-90.6	88.8													
-95.6	93.8													
-100.6	98.8													
-104.6	102.8												102.8ft: No recovery-LIMESTONE and interbedded sand 103.8ft: No recovery-LIMESTONE and interbedded sand	
-105.6	103.8													
-110.6	108.8													
-112.1	110.3	7	7	7									108.8ft: Switch sampling method to SPT very soft, wet 110.3ft: hard	
		4	50/0.2											
-117.1	115.3	10	11	12									115.3ft: Silty SAND (SM), white (10YR8/1), medium dense, wet, fine to coarse grained sand, fine gravel, weak HCl reaction (Tamiami Formation)	
-122.1	120.3	3	6	8										
-127.1	125.3	3	3	6									120.3ft: light brownish gray (10YR6/2)	
-132.3	130.5	2	3	7										
-137.3	135.5	5	4	5									125.3ft: loose	
-142.3	140.5	5	7	8										
-147.3	145.5	5	4	8									140.5ft: gray (2.5Y6/1 and 10YR6/1), medium dense, strong HCl reaction	
													145.5ft: weak HCl reaction	

TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL.GDT 53008

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 (Miller)					DRILLER: R. White/ J. Dugger				GROUND WATER (ft)	
BORING NO.: B-707					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.8 ft (NAVD88)					NORTHING: 396,829 US ft (NAD83/90)					EASTING: 875,791 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 152.0 ft			BORING DIAMETER: 4" to 24.9', 3" to 152.0'					CASING DEPTH: 4" to 24.9', 3" to 110.0'				HAMMER (ID): 140 lb. Auto (M06)			
DATE STARTED: 2/13/08			COMPLETED: 2/21/08					CORE SIZE: HQ3				BITS USED: 2 15/16" & 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					
-151.4					Continued from previous page										
-152.3	150.5	5	7	10							707-19			-153.8 150.5ft: strong HCl reaction Boring Terminated at Elevation -153.8 ft 152.0	



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 (Miller)	DRILLER: R. White/ J. Dugger	GROUND WATER (ft)
BORING NO.: B-707	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.8 ft (NAVD88)	NORTHING: 396,829 US ft (NAD83/90)	EASTING: 875,791 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 152.0 ft	CASING DEPTH: 4" to 24.9', 3" to 110.0'	HAMMER (ID): 140 lb. Auto (M06)	
DATE STARTED: 2/13/08	COMPLETED: 2/21/08	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 @ 25.3 ft
-27.1	25.3	3.5	4:26 1:18 1:34 0.42/0.5	(3.5) 100%	(2.9) 83%	RUN-1	(22.1) 94%	(18.3) 78%		LIMESTONE, boundstone, white (5Y8/1), moderately hard, indurated, fossiliferous, little vugs (Upper Fort Thompson Formation) (continued)
-30.6	28.8	5.0	1:29 1:44 2:31 3:23 4:28	(4.6) 92%	(2.8) 56%	RUN-2				28.8ft: white (10YR8/1), hard 28.8ft: loss of circulation
-35.6	33.8	5.0	2:52 1:44 2:27 2:06 2:49	(4.6) 92%	(3.9) 78%	RUN-3				33.8ft: pale yellow (5Y8/2), few vugs, coralline
-40.6	38.8	5.0	1:59 2:02 2:00 1:49 1:37	(4.6) 92%	(4.6) 92%	RUN-4				38.8ft: white (10YR8/1)
-45.6	43.8	5.0	1:42 1:49 4:15 5:12 3:01	(4.8) 96%	(4.1) 82%	RUN-5				43.8ft: white (10YR8/1), to light gray (10YR7/1)
-50.6	48.8	5.0	2:50 3:38 3:28 3:08 2:41	(5.0) 100%	(3.7) 74%	RUN-6	(42.4) 71%	(30.3) 51%		LIMESTONE, boundstone, white (10YR8/1), hard, indurated, fossiliferous, few vugs (Lower Fort Thompson Formation)
-55.6	53.8	5.0	2:19 3:15 2:22 1:32 2:44	(4.9) 98%	(4.7) 94%	RUN-7				
-60.6	58.8	5.0	2:16 1:44 1:28 1:31 2:01	(5.0) 100%	(5.0) 100%	RUN-8				
-65.6	63.8	5.0	1:07 0:51 0:10 0:52 1:07	(2.4) 48%	(0.8) 16%	RUN-9				
-70.6	68.8	5.0	2:35 2:10 2:22 1:38 2:48	(4.1) 82%	(2.4) 48%	RUN-10				
-75.6	73.8	5.0	1:34 2:27 3:18 1:57 3:36	(4.6) 92%	(3.4) 68%	RUN-11				
-80.6	78.8	5.0	2:09 2:05 1:23 1:44 0:58	(4.1) 82%	(2.7) 54%	RUN-12				
-85.6	83.8	5.0	0:54 1:02 2:38 3:55 4:55	(4.3) 86%	(3.1) 62%	RUN-13				
-90.6	88.8	5.0	1:40 1:32 1:10 0:41 0:43	(3.8) 76%	(2.9) 58%	RUN-14				
-95.6	93.8	5.0	1:50 0:48 1:51 1:08 1:22	(3.5) 70%	(1.6) 32%	RUN-15				
-100.6	98.8	4.0	4:20	(0.7)	(0.0)	RUN-16				

TURKEY POINT COL CORE TURKEY POINT GP TURKEY POINT COL GDI 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 (Miller)	DRILLER: R. White/ J. Dugger	GROUND WATER (ft)
BORING NO.: B-707	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.8 ft (NAVD88)	NORTHING: 396,829 US ft (NAD83/90)	EASTING: 875,791 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 152.0 ft	CASING DEPTH: 4" to 24.9', 3" to 110.0'	HAMMER (ID): 140 lb. Auto (M06)	
DATE STARTED: 2/13/08	COMPLETED: 2/21/08	CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

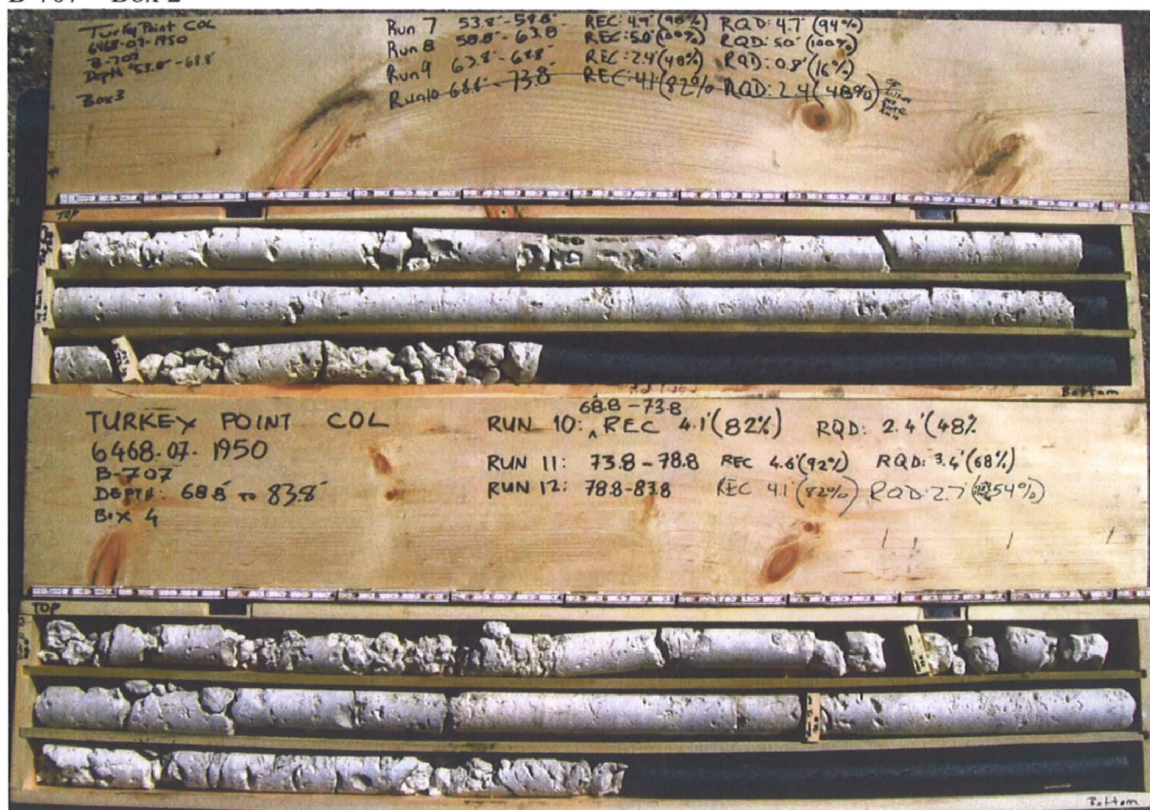
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		L O G	DESCRIPTION AND REMARKS
				REC. (ft) %	RQD (ft) %		REC. (ft) %	RQD (ft) %		
										Continued from previous page
-104.6	102.8		2:15 2:50 2:25	18%	0%					LIMESTONE, boundstone, white (10YR8/1), hard, indurated, fossiliferous, few vugs (Lower Fort Thompson Formation) (continued)
-105.6	103.8	1.0	1:23	(0.0)	(0.0)	RUN-17				102.8ft: No recovery-LIMESTONE and interbedded sand
		5.0	1:06 1:11 1:20 1:29 0:57	0% (0.0) 0%	0% (0.0) 0%	RUN-18				103.8ft: No recovery-LIMESTONE and interbedded sand
-110.6	108.8									-110.6
										Coring Terminated at Elevation -110.6

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



B-707 - Box 1

B-707 - Box 2



B-707 - Box 3

B-707 - Box 4