

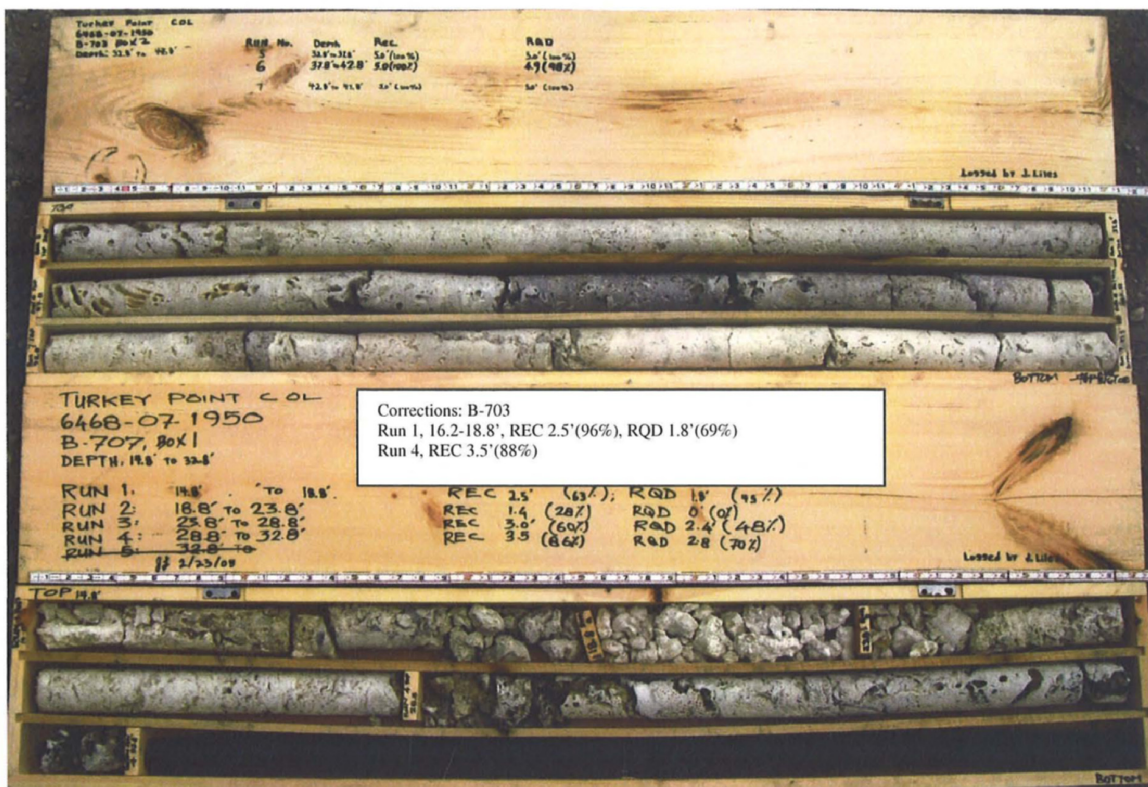


SHEET 2 OF 2

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: J. Liles
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 (Miller)	DRILLER: R. White/ J. Dugger	GROUND WATER (ft)
BORING NO.: B-703	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.3 ft (NAVD88)	NORTHING: 397,018 US ft (NAD83/90)	EASTING: 875,846 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 150.0 ft	CASING DEPTH: 4" to 27.9', 3" to 115.0'	HAMMER (ID): 140 lb. Auto (M06)	
DATE STARTED: 2/22/08	COMPLETED: 2/25/08	CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

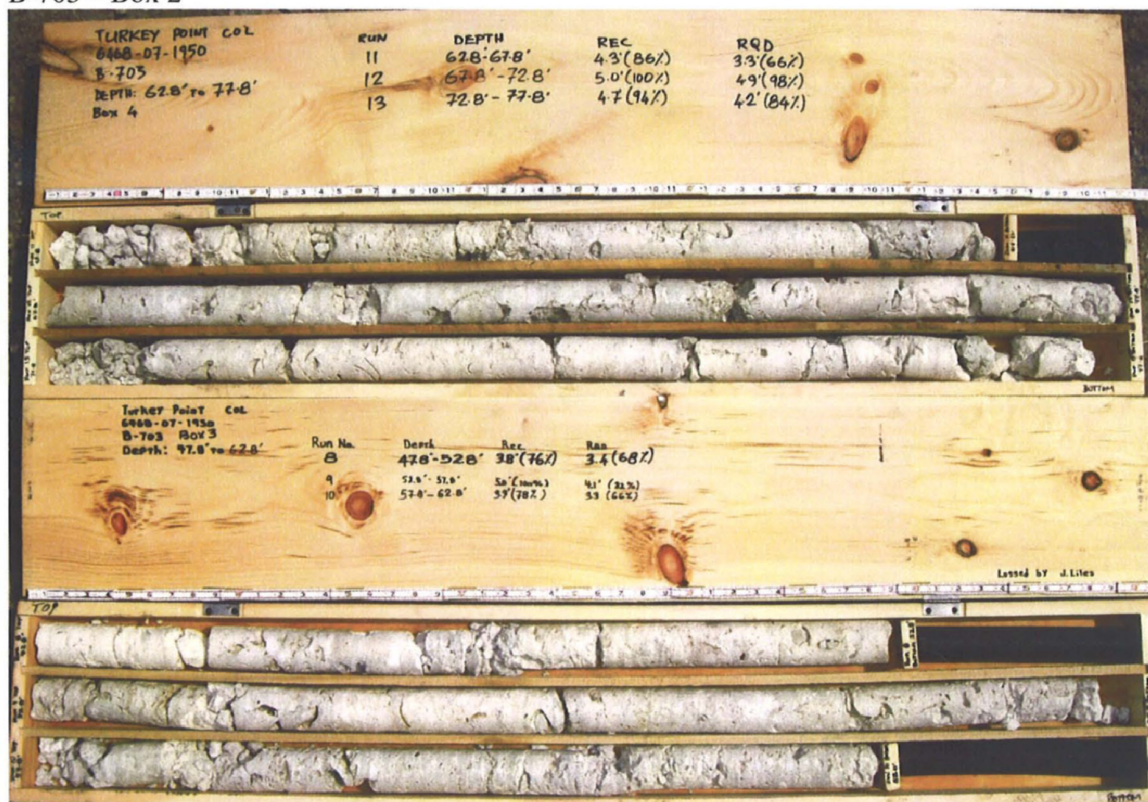
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		L O G	DESCRIPTION AND REMARKS
				REC (ft) %	RQD (ft) %		REC (ft) %	RQD (ft) %		
										Continued from previous page
-94.1	92.8	5.0	0:23 0:34	(4.7) 94%	(4.0) 80%	RUN-17				LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, fossiliferous, trace shell molds and casts (Lower Fort Thompson Formation) (continued) 92.8ft: little vugs, little shell molds and casts
-99.1	97.8	5.0	0:23 0:40 0:53 0:56 0:47	(4.7) 94%	(4.2) 84%	RUN-18				97.8ft: hard
-104.1	102.8	5.0	0:37 0:37 0:44 1:00 0:36	(3.5) 70%	(3.3) 66%	RUN-19				102.8ft: few shell molds and casts
-109.1	107.8	5.0	0:36 0:20 0:35 0:59 0:51	(0.0) 0%	(0.0) 0%	RUN-20	(0.0) 0%	(NA)		POORLY GRADED SAND with silt (SP-SM), light gray (5Y7/1), loose, wet, fine grained sand, few carbonate nodules, strong HCl reaction (Tamiami Formation)
-114.1	112.8		0:23 0:21 0:40 0:18 0:43							Coring Terminated at Elevation -114.1

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



B-703 - Box 1

B-703 - Box 2



B-703 - Box 3

B-703 - Box 4



B-703 - Box 5
B-703 - Box 6



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-704(DH)				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.4 ft (NAVD88)				NORTHING: 396,931 US ft (NAD83/90)				EASTING: 875,742 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 151.5 ft				CASING DEPTH: 4" to 36.0', 3" to 118.0'						HAMMER (ID): 140 lb. Auto (07)			
DATE STARTED: 2/25/08		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) %		SAMP. NO.	STRATA REC (ft) %		RQD (ft) %	L O G	DESCRIPTION AND REMARKS		
											Begin Coring @ 37.5 ft		
-38.9	37.5	2.5	0.25/0.5	(1.5)	(0.6)	RUN-1	(8.9)	(7.4)			LIMESTONE, boundstone, white (5Y8/1), very soft, wet, friable to indurated, strong HCl reaction, fossiliferous, trace sand (Upper Fort Thompson Formation)		
-41.4	40.0		3.04	60%	24%		88%	73%					
-42.4	41.0	1.0	3.41	(1.0)	(1.0)	RUN-2							
		5.0	1.13	100%	100%	RUN-3					28.5ft: total loss of circulation (continued)		
			1.38	(4.8)	(4.8)						37.5ft: white (5Y8/1), hard, indurated, strong HCl reaction, fossiliferous.		
			1.38	96%	96%						coralline, few vugs		
			1.13								41.0ft: recrystallized calcite		
-47.4	46.0		2.14										
		5.0	0.52	(4.5)	(3.4)	RUN-4					46.0ft: light gray (5Y7/1) to 47.6ft		
			0.46	90%	68%		(49.8)	(37.1)			47.6		
-52.4	51.0		3.05				76%	56%			LIMESTONE, boundstone, white (5Y8/1), hard, indurated, fossiliferous, porous, few vugs, few shell molds and casts, strong HCl reaction (Lower Fort Thompson Formation)		
		5.0	4.20										
			3.25										
		5.0	2.51	(4.9)	(4.9)	RUN-5							
			1.23	98%	98%								
-57.4	56.0		1.39										
			1.51										
		5.0	0.55								56.0ft: friable zones, fine grained sand lense		
			2.22	(4.5)	(3.0)	RUN-6							
			1.18	90%	60%								
-62.4	61.0		1.07										
			1.45								64.0 to 65.0ft: calcareous fine grained sand		
		5.0	2.11										
			0.55	(5.0)	(4.6)	RUN-7							
			0.59	100%	92%								
-67.4	66.0		0.57										
			1.06										
		5.0	2.14										
			1.04	(2.2)	(0.5)	RUN-8							
			0.56	44%	10%								
-72.4	71.0		0.41										
			0.31										
		5.0	1.21								71.0ft: soft friable zones, trace fine grained calcareous sand		
			1.06	(1.3)	(0.0)	RUN-9							
			1.31	26%	0%								
-77.4	76.0		0.19										
			0.05										
		5.0	0.23								76.0ft: moderately hard, moderately indurated		
			0.20	(2.0)	(0.4)	RUN-10							
			0.26	40%	8%								
-82.4	81.0		2.18										
			2.19										
		5.0	1.04								81.0ft: moderately hard to hard, moderately indurated to indurated		
			0.51	(2.6)	(1.4)	RUN-11					85.0 to 85.5ft: friable zone		
			1.15	52%	28%								
-87.4	86.0		0.53										
			0.27										
		5.0	0.59								86.0ft: three thin, soft, friable zones at 86.3, 88.7 and 90.3ft		
			3.37	(5.0)	(4.5)	RUN-12							
			4.15	100%	90%								
-92.4	91.0		3.04										
			2.02										
		5.0	3.05								91.0ft: two thin, soft, friable zones at 93.0 and 95.4ft		
			1.02	(4.2)	(3.1)	RUN-13							
			0.41	84%	62%								
-97.4	96.0		1.22										
			0.53										
		5.0	1.55								96.0ft: little vugs		
			2.02	(3.5)	(3.1)	RUN-14							
			1.21	70%	62%								
-102.4	101.0		0.09										
			2.43										
		5.0	1.57										
			1.25	(5.0)	(5.0)	RUN-15							
			1.06	100%	100%								
-107.4	106.0		1.10										
			0.59										
		5.0	1.39								106.0ft: few vugs		
			0.45	(4.2)	(3.6)	RUN-16							
			1.07	84%	72%								
-112.4	111.0		0.49										
			1.01										
		5.0	0.45										
			0.55	(2.5)	(0.6)	RUN-17							

TURKEY POINT COL CORE: TURKEY POINT GPJ TURKEY POINT COL GDI 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-704(DH)	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.4 ft (NAVD88)	NORTHING: 396,931 US ft (NAD83/90)	EASTING: 875,742 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 151.5 ft	CASING DEPTH: 4" to 36.0', 3" to 118.0'	HAMMER (ID): 140 lb. Auto (07)	
DATE STARTED: 2/25/08	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		L O G	DESCRIPTION AND REMARKS
				REC (ft) %	RQD (ft) %		REC (ft) %	RQD (ft) %		
										Continued from previous page
-117.4	116.0		0:59 1:12 0:42 0:51	50%	12%		(0.0) 0%	(NA)		-114.9 Silty SAND (SM), white (5Y8/1), medium dense, wet, strong HCl reaction, calcareous, trace shell fragments, fine grained sand (Tamiami Formation) Coring Terminated at Elevation -117.4
										113.5 116.0

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



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-704(DH)					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core					0 HR. NA		
GROUND ELEV.: -1.4 ft (NAVD88)					NORTHING: 396,931 US ft (NAD83/90)					EASTING: 875,742 US ft (NAD83/90)					24 HR. NA		
TOTAL DEPTH: 151.5 ft			BORING DIAMETER: 4" to 36.0', 3" to 151.5'					CASING DEPTH: 4" to 36.0', 3" to 118.0'					HAMMER (ID):140 lb. Auto (07)				
DATE STARTED: 2/25/08			COMPLETED: 2/27/08			CORE SIZE: HQ3					BITS USED: 2 15/16" Drag Bit & 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							
-1.4					Ground Surface												
-1.4	0.0	WOH	WOH	WOH	0						704(DH)-1			-1.4	0.0		
-3.8	2.4				9						704(DH)-2A&B			-4.5	3.1		
-6.4	5.0	3	4	5							704(DH)-3			2.4ft: grayish brown (2.5Y5/2), to dark grayish brown (2.5Y4/2), soft			
-8.8	7.4	6	6	5	11						704(DH)-4			LIMESTONE, boundstone, white (5Y8/1), very soft, friable, wet, strong HCl reaction (Miami Formation)			
-11.3	9.9	6	3	5	8						704(DH)-5			3.1ft: some loss of circulation			
-13.9	12.5	2	5	4	9						704(DH)-6			5.0ft: fossiliferous, oolitic			
-16.4	15.0	9	17	21	38						704(DH)-7			12.5ft: medium hard			
-19.4	18.0	4	8	10	18						704(DH)-8			15.0ft: very soft			
		29	17	6	23						704(DH)-9			18.0ft: soft			
-24.6	23.2				12						704(DH)-10			23.2ft: very soft			
		3	5	7							704(DH)-11			27.4	26.0		
-29.9	28.5				2						704(DH)-12			LIMESTONE, boundstone, white (5Y8/1), very soft, wet, friable to indurated, strong HCl reaction, fossiliferous, trace sand (Upper Fort Thompson Formation)			
-31.9	30.5	1	1	1	6						RUN-1			28.5ft: total loss of circulation			
		4	2	4							RUN-2			30.5ft: friable, some fine to medium grained sand			
											RUN-3			36.0ft: soft, moderately indurated, trace recrystallized calcite, trace chert			
-37.4	36.0	9	14	16	30									37.5ft: Switch sampling method to coring			
-38.9	37.5													37.5ft: white (5Y8/1), hard, indurated, strong HCl reaction, fossiliferous, coralline, few vugs			
-41.4	40.0													41.0ft: recrystallized calcite			
-42.4	41.0																
-47.4	46.0													46.0ft: light gray (5Y7/1) to 47.6ft	47.6		
														LIMESTONE, boundstone, white (5Y8/1), hard, indurated, fossiliferous, porous, few vugs, few shell molds and casts, strong HCl reaction (Lower Fort Thompson Formation)			
-52.4	51.0																
														56.0ft: friable zones, fine grained sand lense			
-57.4	56.0																
														64.0 to 65.0ft: calcareous fine grained sand			
-62.4	61.0																
-67.4	66.0																
														71.0ft: soft friable zones, trace fine grained calcareous sand			
-72.4	71.0																

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



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-704(DH)				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core		0 HR.	NA		
GROUND ELEV.: -1.4 ft (NAVD88)				NORTHING: 396,931 US ft (NAD83/90)				EASTING: 875,742 US ft (NAD83/90)		24 HR.	NA		
TOTAL DEPTH: 151.5 ft		BORING DIAMETER: 4" to 36.0', 3" to 151.5'				CASING DEPTH: 4" to 36.0', 3" to 118.0'		HAMMER (ID): 140 lb. Auto (07)					
DATE STARTED: 2/25/08		COMPLETED: 2/27/08		CORE SIZE: HQ3				BITS USED: 2 15/16" Drag Bit & 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, few vugs, few shell molds and casts, strong HCl reaction (Lower Fort Thompson Formation) (continued) 76.0ft: moderately hard, moderately indurated
-82.4	81.0												81.0ft: moderately hard to hard, moderately indurated to indurated 85.0 to 85.5ft: friable zone
-87.4	86.0												86.0ft: three thin, soft, friable zones at 86.3, 88.7 and 90.3ft
-92.4	91.0												91.0ft: two thin, soft, friable zones at 93.0 and 95.4ft
-97.4	96.0												96.0ft: little vugs
-102.4	101.0												
-107.4	106.0												106.0ft: few vugs
-112.4	111.0												
-117.4	116.0												
-121.4	120.0	4	5	6									Silty SAND (SM), white (5Y8/1), medium dense, wet, strong HCl reaction, calcareous, trace shell fragments, fine grained sand (Tamiami Formation) 116.0ft: Switch sampling method to SPT
-124.4	123.0	3	3	5									120.0ft: loose, little shell fragments, limestone fragments
-129.4	128.0	4	2	1									123.0ft: pale yellow (5Y8/2), very loose, weak HCl reaction
-134.4	133.0	4	2	2									
-139.4	138.0	3	3	4									133.0ft: loose, fine to coarse grained sand, fine gravel
-144.4	143.0	4	7	5									138.0ft: greenish gray (10Y6/1), medium dense, trace shell fragments, fine to coarse gravel
-149.4	148.0	6	7	8									
		7	7	9									

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



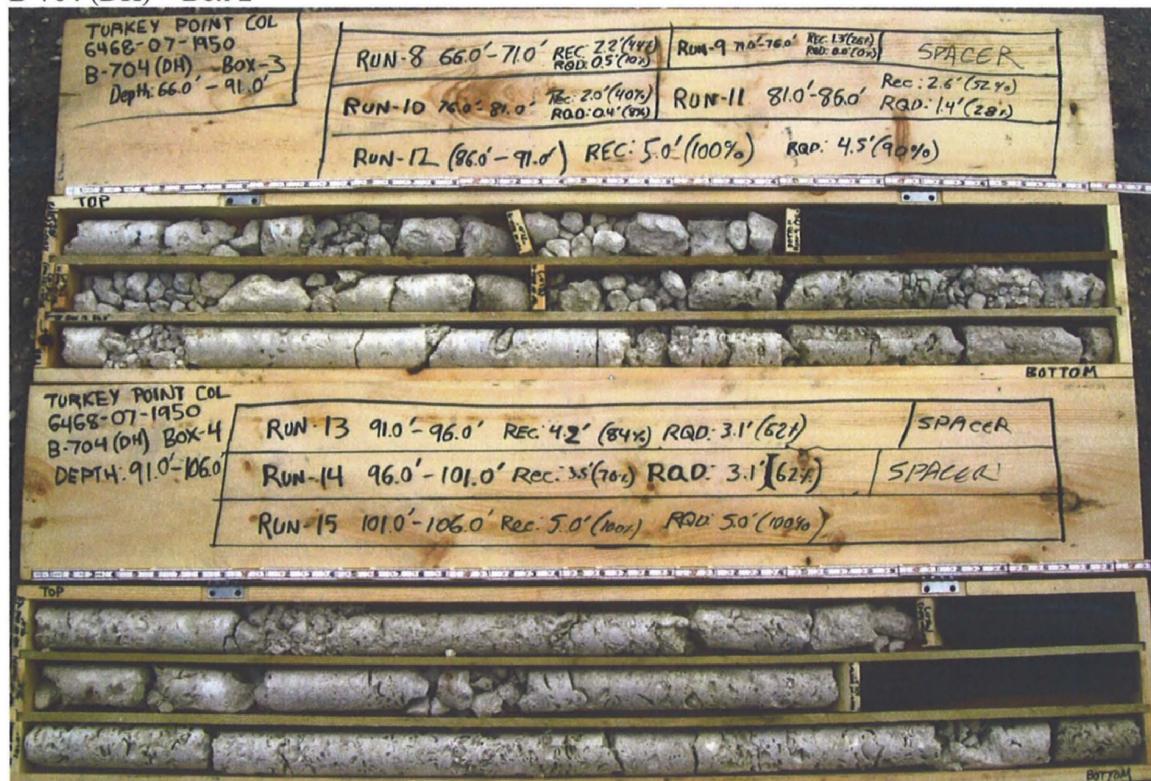
SHEET 3 OF 3

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-704(DH)			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA						
GROUND ELEV.: -1.4 ft (NAVD88)			NORTHING: 396,931 US ft (NAD83/90)			EASTING: 875,742 US ft (NAD83/90)			24 HR. NA						
TOTAL DEPTH: 151.5 ft			BORING DIAMETER: 4" to 36.0', 3" to 151.5'			CASING DEPTH: 4" to 36.0', 3" to 118.0'			HAMMER (ID): 140 lb. Auto (07)						
DATE STARTED: 2/25/08			COMPLETED: 2/27/08			CORE SIZE: HQ3			BITS USED: 2 15/16" Drag Bit & 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					
-151.0					Continued from previous page										
-151.4	150.0	8	7	8	● 15						704(DH)-21			-152.9	151.5
Boring Terminated at Elevation -152.9 ft															

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



B-704 (DH) – Box 1
B-704 (DH) – Box 2



B-704 (DH) – Box 3
B-704 (DH) – Box 4



B-704 (DH) - Box 5