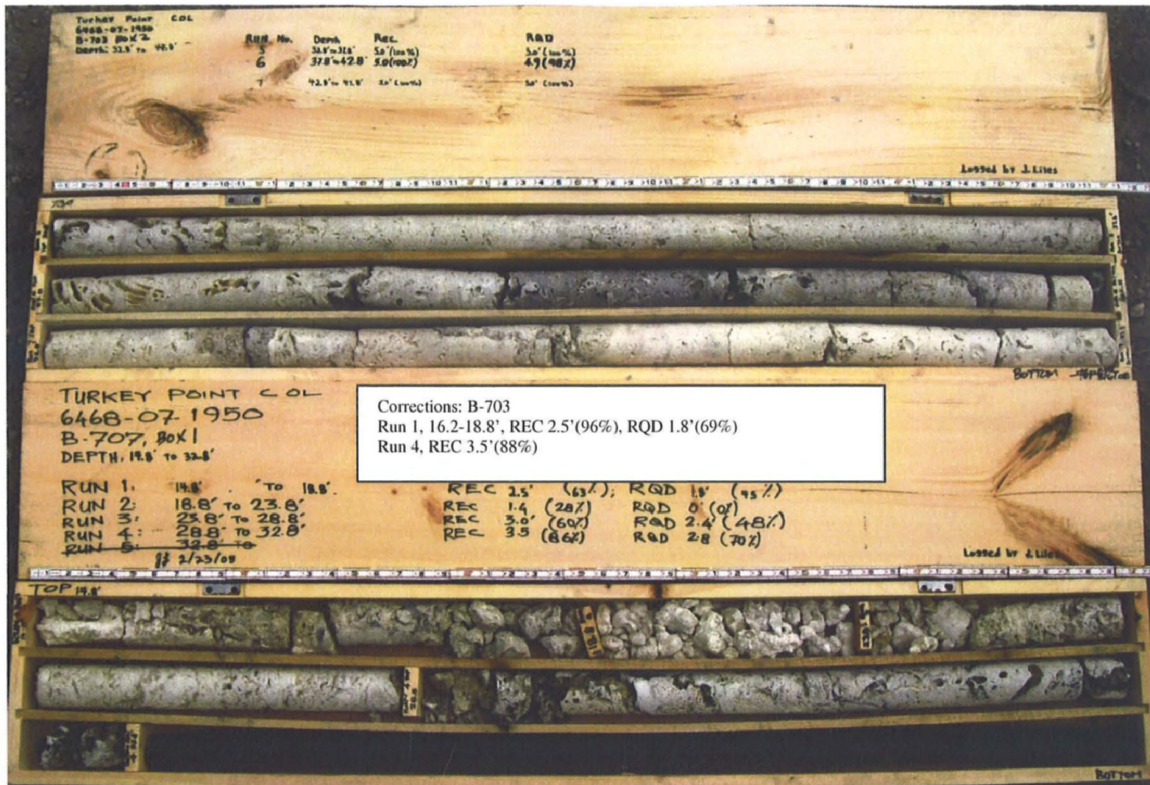




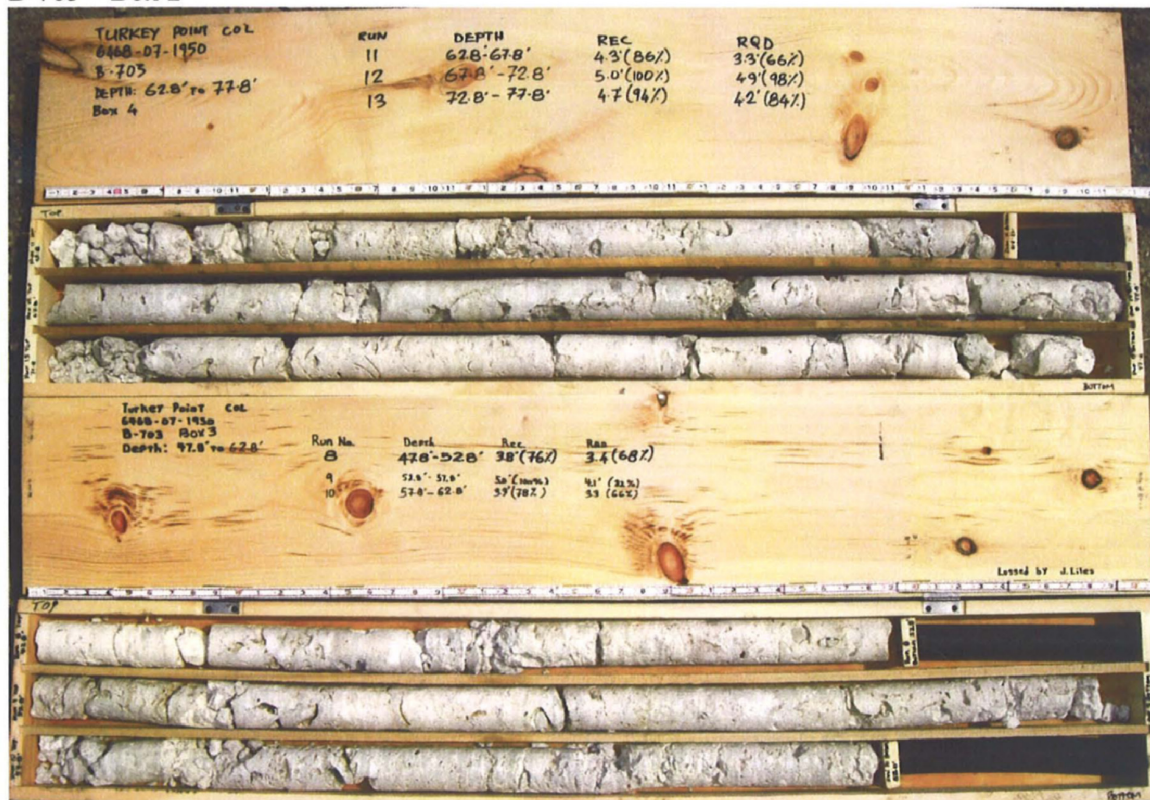
BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: J. Liles
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 (Miller)	DRILLER: R. White/ J. Dugger	GROUND WATER (ft) 0 HR. NA 24 HR. NA
BORING NO.: B-703	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	
GROUND ELEV.: -1.3 ft (NAVD88)	NORTHING: 397,018 US ft (NAD83/90)	EASTING: 875,846 US ft (NAD83/90)	
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) %		
			0.23 0.34							Continued from previous page
-94.1	92.8	5.0	0.23 0.40 0.53 0.56 0.47	(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	0.37 0.37 0.44 1.00 0.36	(4.7) 94%	(4.2) 84%	RUN-18				97.8ft: hard
-104.1	102.8	5.0	0.36 0.20 0.35 0.59 0.51	(3.5) 70%	(3.3) 66%	RUN-19				102.8ft: few shell molds and casts
-109.1	107.8	5.0	0.23 0.21 0.40 0.18 0.43	(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									Coring Terminated at Elevation -114.1

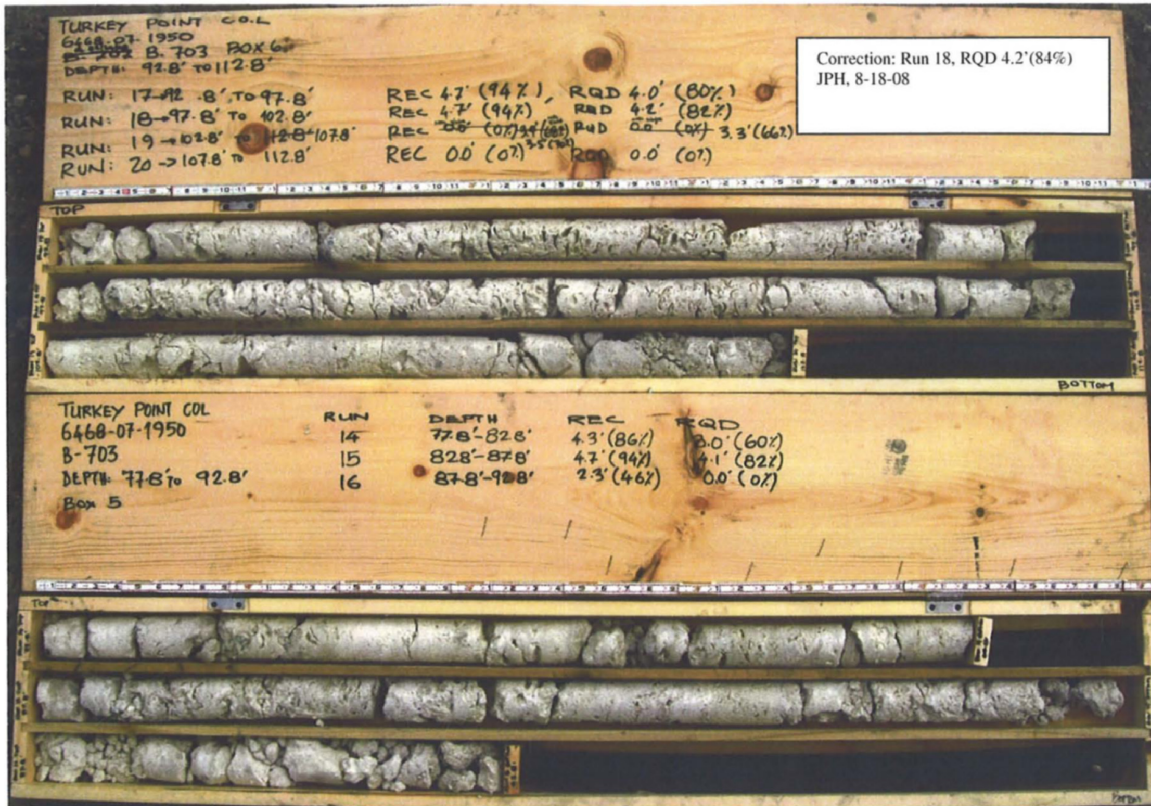
TURKEY POINT COL CORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 8/18/08



B-703 - Box 1  
B-703 - Box 2



B-703 - Box 3  
B-703 - Box 4



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



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		LOG	DESCRIPTION AND REMARKS
				REC (%)	RQD (%)		REC (%)	RQD (%)		
										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	4.27	(1.0)	(1.0)	RUN-2				
		5.0	3.41	100%	100%	RUN-3				28.5ft: total loss of circulation (continued)
			1.13	(4.8)	(4.8)					37.5ft: white (5Y8/1), hard, indurated, strong HCl reaction, fossiliferous.
			1.38	96%	96%					coralline, few vugs
-47.4	46.0		1.38							41.0ft: recrystallized calcite
			1.13							
			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)		
			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)
-52.4	51.0	5.0	4.20							
			3.25							
		5.0	2.51	(4.9)	(4.9)	RUN-5				
			1.23	98%	98%					
			1.39							
-57.4	56.0		1.51							
			0.55							
		5.0	2.22	(4.5)	(3.0)	RUN-6				56.0ft: friable zones, fine grained sand lense
			1.18	90%	60%					
			1.07							
-62.4	61.0		1.45							
			2.11							
		5.0	0.55	(5.0)	(4.6)	RUN-7				64.0 to 65.0ft: calcareous fine grained sand
			0.59	100%	92%					
			0.57							
-67.4	66.0		1.06							
			2.14							
		5.0	1.04	(2.2)	(0.5)	RUN-8				
			0.56	44%	10%					
			0.41							
-72.4	71.0		0.31							
			1.21							
		5.0	1.06	(1.3)	(0.0)	RUN-9				71.0ft: soft friable zones, trace fine grained calcareous sand
			1.31	26%	0%					
			0.19							
-77.4	76.0		0.05							
			0.23							
		5.0	0.20	(2.0)	(0.4)	RUN-10				76.0ft: moderately hard, moderately indurated
			0.26	40%	8%					
			2.18							
-82.4	81.0		2.19							
			1.04							
		5.0	0.51	(2.6)	(1.4)	RUN-11				81.0ft: moderately hard to hard, moderately indurated to indurated
			1.15	52%	28%					85.0 to 85.5ft: friable zone
			0.53							
-87.4	86.0		0.27							
			0.59							
		5.0	3.37	(5.0)	(4.5)	RUN-12				86.0ft: three thin, soft, friable zones at 86.3, 88.7 and 90.3ft
			4.15	100%	90%					
			3.04							
-92.4	91.0		2.02							
			3.05							
		5.0	1.02	(4.2)	(3.1)	RUN-13				91.0ft: two thin, soft, friable zones at 93.0 and 95.4ft
			0.41	84%	62%					
			1.22							
-97.4	96.0		0.53							
			1.55							
		5.0	2.02	(3.5)	(3.1)	RUN-14				96.0ft: little vugs
			1.21	70%	62%					
			0.09							
-102.4	101.0		2.43							
			1.57							
		5.0	1.25	(5.0)	(5.0)	RUN-15				
			1.06	100%	100%					
			1.10							
-107.4	106.0		0.59							
			1.39							
		5.0	0.45	(4.2)	(3.6)	RUN-16				106.0ft: few vugs
			1.07	84%	72%					
			0.49							
-112.4	111.0		1.01							
			0.45							
		5.0	0.55	(2.5)	(0.6)	RUN-17				

TURKEY POINT COL CORE: TURKEY POINT GPJ TURKEY POINT COL GDI 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		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
			0:59 1:12 0:42 0:51	50%	12%		(0.0) 0%	(NA)		-114.9 ----- -117.4 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
-117.4	116.0									----- 113.5 ----- 116.0

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



GEOTECHNICAL BORING LOG

Prepared By SPX Date 8-19-08

Checked By SLC Date 8/19/08

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-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.	LOG	SOIL AND ROCK DESCRIPTION		
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100	
-1.4					Ground Surface								0.0	
-1.4	0.0	WOH	WOH	WOH										
-3.8	2.4	3	4	5						704(DH)-1				
-6.4	5.0	6	6	5						704(DH)-2A&B				
-8.8	7.4	6	3	5						704(DH)-3				
-11.3	9.9	2	5	4						704(DH)-4				
-13.9	12.5	9	17	21						704(DH)-5				
-16.4	15.0	4	8	10						704(DH)-6				
-19.4	18.0	29	17	6						704(DH)-7				
-24.6	23.2	3	5	7						704(DH)-8				
-29.9	28.5	1	1	1						704(DH)-9				
-31.9	30.5	4	2	4						704(DH)-10				
-37.4	36.0	9	14	16						704(DH)-11				
-38.9	37.5									704(DH)-12				
-41.4	40.0									RUN-1				
-42.4	41.0									RUN-2				
-47.4	46.0									RUN-3				
-52.4	51.0									RUN-4				
-57.4	56.0									RUN-5				
-62.4	61.0									RUN-6				
-67.4	66.0									RUN-7				
-72.4	71.0									RUN-8				
										RUN-9				

TURKEY POINT COL BORE 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.	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												
-114.9	113.5												
-117.4	116.0	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
-121.4	120.0	3	3	5									120.0ft: loose, little shell fragments, limestone fragments
-124.4	123.0	4	2	1									123.0ft: pale yellow (5Y8/2), very loose, weak HCl reaction
-129.4	128.0	4	2	2									
-134.4	133.0	3	3	4									133.0ft: loose, fine to coarse grained sand, fine gravel
-139.4	138.0	4	7	5									138.0ft: greenish gray (10Y6/1), medium dense, trace shell fragments, fine to coarse gravel
-144.4	143.0	6	7	8									
-149.4	148.0	7	7	9									

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



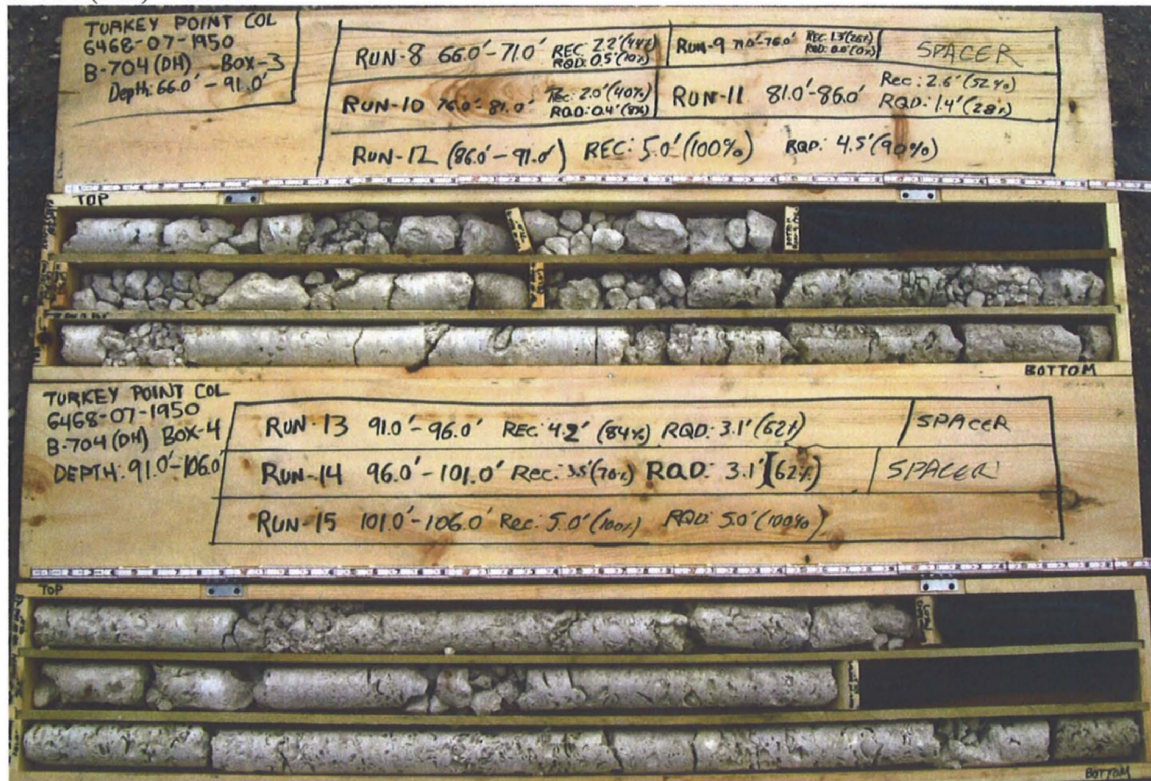
BECHTEL PROJECT NO.: 25409		MACTEC PROJECT NO.: 6468-07-1950			COUNTY: Miami-Dade		GEOLOGIST: R. Clark					
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-750 (Miller)		DRILLER: G.Bilbrey/P.McKorkle/J.Tucker			GROUND WATER (ft)			
BORING NO.: B-704(DH)				DRILL METHOD: Mud Rotary/ Core		SAMPLE 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.	L O G	SOIL AND ROCK DESCRIPTION
		0.5ft	0.5ft	0.5ft	0	20	40	60	80			
-151.0					Continued from previous page							
-151.4	150.0	8	7	8	15							
												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