



SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade		GEOLOGIST: O. Rodriguez		
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-75 (CLT)				DRILLER: J. Warren/ C. Sloan/ M. Harvey			GROUND WATER (ft)	
BORING NO.: B-710(DH)				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core			0 HR.	NA
GROUND ELEV.: -1.3 ft (NAVD88)				NORTHING: 397,087 US ft (NAD83/90)				EASTING: 875,793 US ft (NAD83/90)			24 HR.	NA
TOTAL DEPTH: 250.9 ft				CASING DEPTH: 4" to 18.5', 3" to 123.0'						HAMMER (ID): 140 lb. Auto (MEC-09)		
DATE STARTED: 4/2/08		COMPLETED: 4/9/08		CORE SIZE: HQ3		CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)						
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC (ft) %		RQD (ft) %	SAMP. NO.	STRATA REC (ft) %		RQD (ft) %	L O G	DESCRIPTION AND REMARKS
												Begin Coring @ 16.8 ft
-18.1	16.8	4.7	1.24 1.36 3.49 1.23	(2.3) 49%	(1.2) 26%	RUN-1	(3.1) 43%	(1.2) 17%				LIMESTONE, boundstone, white (2.5Y8/1), very soft, wet, strong HCl reaction, little fine grained sand, oolitic (Miami Formation) (continued)
-22.8	21.5		1:38/0.7									16.8ft: white (2.5Y8/1), medium hard, moderately indurated, fossiliferous, few to little locally interconnected vugs
		4.8	5.22 1.56 3.11 1.28	(3.1) 65%	(1.7) 35%	RUN-2						
-27.6	26.3		0:48/0.8				(23.8) 97%	(20.5) 84%				LIMESTONE, boundstone, white (2.5Y8/1), medium hard to moderately hard, moderately indurated, fossiliferous, coralline, few vugs (Upper Fort Thompson Formation)
		5.0	0.34 0.53 1.57 2.16 2.01	(4.6) 92%	(3.2) 64%	RUN-3						27.0ft: loss of circulation
-32.6	31.3											
		5.0	2.23 0.36 0.49 0.22 1.00	(4.8) 96%	(4.5) 90%	RUN-4						31.3ft: moderately hard
-37.6	36.3											
		5.0	0.49 0.46 0.51 1.34 1.54	(4.9) 98%	(4.5) 90%	RUN-5						
-42.6	41.3											
		5.0	0.47 1.29 1.14 1.22 1.01	(5.0) 100%	(5.0) 100%	RUN-6						
-47.6	46.3											
		5.0	0.35 0.32 0.52 1.27 1.17	(4.8) 96%	(4.2) 84%	RUN-7						46.3ft: white (2.5Y8/1), to 46.6ft then greenish gray (10Y6/1), to 48.5ft
-52.6	51.3						(56.5) 86%	(33.5) 51%				LIMESTONE, boundstone, white (2.5Y8/1), moderately hard, moderately indurated, fossiliferous, few vugs (Lower Fort Thompson Formation)
		5.0	0.35 0.39 0.27 0.10 1.10	(4.2) 84%	(3.2) 64%	RUN-8						51.3ft: trace shell molds and casts
-57.6	56.3											
		5.0	0.37 0.37 0.25 1.01 1.32	(5.0) 100%	(4.9) 98%	RUN-9						56.3ft: moderately hard, indurated
-62.6	61.3											
		5.0	1.25 0.47 0.44 0.37 0.26	(4.5) 90%	(2.9) 58%	RUN-10						
-67.6	66.3											
		5.0	0.03 0.09 0.30 1.14 1.42	(3.0) 60%	(1.8) 36%	RUN-11						66.3 to 68.3ft: possible sand layer
-72.6	71.3											
-73.5	72.2	0.9	3.09/0.9	(0.6) 67%	(0.6) 67%	RUN-12						71.3ft: hard
		4.1	0.08/0.1 0.39 0.43 0.20 0.25	(4.0) 98%	(2.0) 49%	RUN-13						
-77.6	76.3											
		5.0	0.21 0.24 0.15 0.07 0.11	(4.5) 90%	(2.5) 50%	RUN-14						76.3ft: moderately hard, moderately indurated
-82.6	81.3											
		5.0	0.24 0.24 0.29 0.21 0.41	(4.6) 92%	(1.3) 26%	RUN-15						81.3ft: little vugs, few shell molds and casts
-87.6	86.3											
		5.0	0.30 1.13 0.34 0.11 0.16	(4.3) 86%	(1.6) 32%	RUN-16						86.3ft: few shell molds and casts
-92.6	91.3											

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

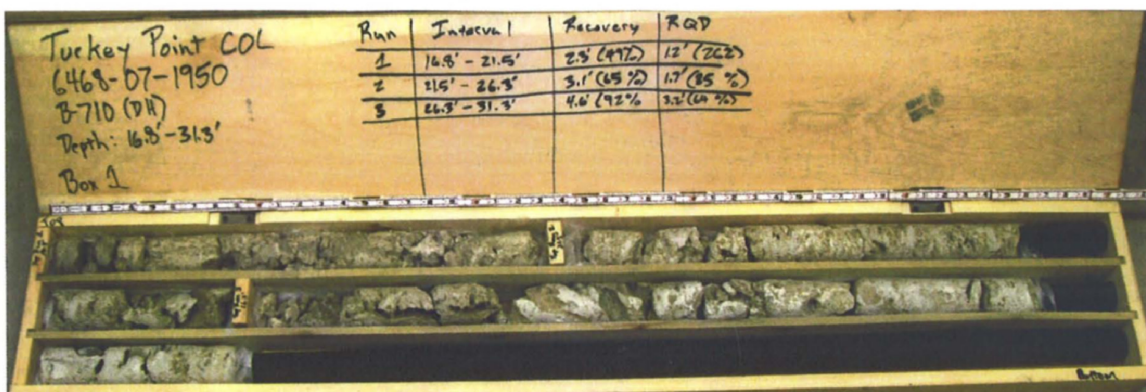


SHEET 2 OF 2

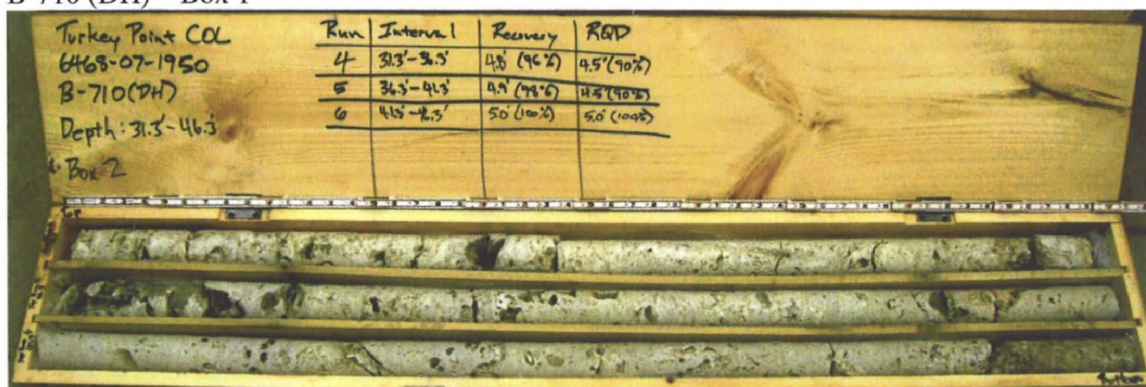
BECHTEL PROJECT NO.: 25409		MACTEC PROJECT NO.: 6468-07-1950		COUNTY: Miami-Dade	GEOLOGIST: O. Rodriguez
SITE DESCRIPTION: Turkey Point COL		DRILL MACHINE: CME-75 (CLT)		DRILLER: J. Warren/ C. Sloan/ M. Harvey	GROUND WATER (ft)
BORING NO.: B-710(DH)		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.3 ft (NAVD88)		NORTHING: 397,087 US ft (NAD83/90)		EASTING: 875,793 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 250.9 ft		CASING DEPTH: 4" to 18.5', 3" to 123.0'			HAMMER (ID): 140 lb. Auto (MEC-09)
DATE STARTED: 4/2/08		COMPLETED: 4/9/08	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) %		
										Continued from previous page
-97.6	96.3	5.0	0.05 0.08 0.10 0.10 0.09	(4.2) 84%	(1.7) 34%	RUN-17				91.3ft: sandy LIMESTONE, boundstone, white (2.5Y8/1), moderately hard, moderately indurated, fossiliferous, few vugs (Lower Fort Thompson Formation) (continued)
-102.6	101.3	5.0	0.30 0.06 0.06 0.24 0.16	(2.8) 56%	(0.9) 18%	RUN-18				101.3ft: medium hard, little shell molds and casts
-107.6	106.3	5.0	0.12 0.13 1.15 0.12 0.20	(5.0) 100%	(3.9) 78%	RUN-19				106.3ft: moderately hard to friable, few shell molds and casts
-112.6	111.3	5.0	0.12 0.14 0.09 0.13 0.08	(4.8) 96%	(3.2) 64%	RUN-20				
-117.6	116.3	5.0	0.27 0.33 0.14 0.05 0.06	(2.5) 50%	(0.4) 8%	RUN-21	(0.7) 10%	(NA)		POORLY GRADED SAND (SP), pale yellow (2.5Y8/3), medium dense, strong HCl reaction, trace fine to coarse gravel-sized cemented sand fragments (Tamiami Formation) 116.3ft: limestone fragments
-122.6	121.3	5.0	0.05 0.06 0.08 0.02 0.02	(0.7) 14%	(0.0) 0%	RUN-22				Coring Terminated at Elevation -122.6

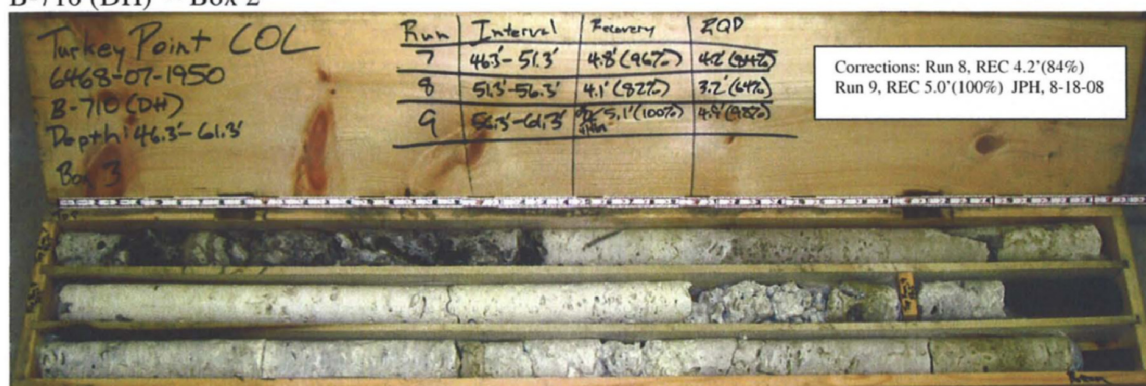
TURKEY POINT COL CORE, TURKEY POINT GP, TURKEY POINT COL GDT 8/18/08



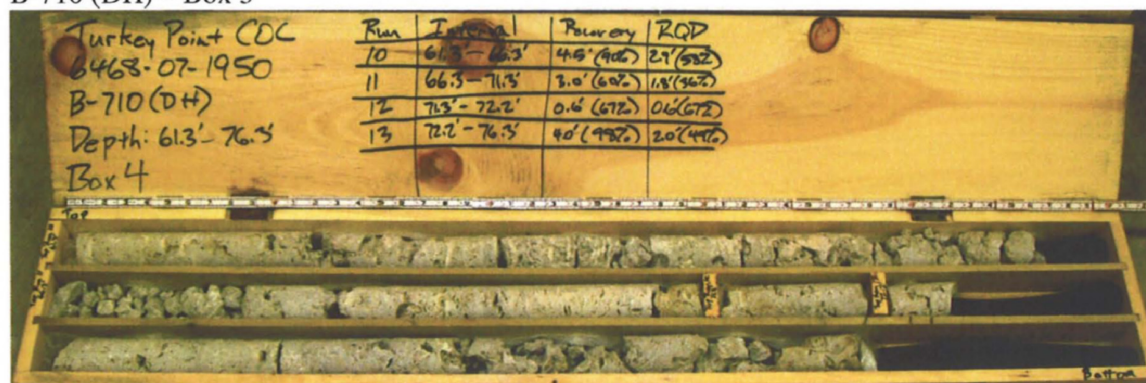
B-710 (DH) - Box 1



B-710 (DH) - Box 2



B-710 (DH) - Box 3



B-710 (DH) - Box 4



B-710 (DH) - Box 5



B-710 (DH) - Box 6



B-710 (DH) - Box 7



SHEET 1 OF 1

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: S. Lehman
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 (CLT)	DRILLER: J. Warren/ C. Sloan/ M. Harvey	GROUND WATER (ft)
BORING NO.: B-710(DH)R	DRILL METHOD: Mud Rotary	SAMPLE METHODS: SPT	0 HR. NA
GROUND ELEV.: -1.3 ft (NAVD88)	NORTHING: 397,087 US ft (NAD83/90)	EASTING: 875,782 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 15.0 ft	CASING DEPTH: 0.0	HAMMER (ID): 140 lb. Auto (MEC-04)	
DATE STARTED: 4/22/08	COMPLETED: 4/22/08	CORE SIZE:	CORE BARREL TYPE: NA

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) %		
	0.0									Ground Surface
			N=0			710(DH)R-1				This boring drilled to amend standard penetration tests performed in boring B-710(DH) from 0.0 to 15.0ft, which were invalid due to nonconforming hammer drop distance.
			N=16			710(DH)R-2				MUCK, dark grayish brown (2.5Y4/2), to black (2.5Y2.5/1), very soft, wet, organics, strong HCl reaction
			N=24			710(DH)R-3				LIMESTONE, boundstone, white (2.5Y8/1), very soft, moderately indurated, oolitic, strong HCl reaction (Miami Formation)
			N=8			710(DH)R-4				6.0ft: white (2.5Y8/1), to gray (2.5Y6/1), soft
			N=21			710(DH)R-5				8.5ft: white (2.5Y8/1), very soft
			N=42			710(DH)R-6				11.0ft: soft
										13.5ft: medium hard

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

GEOTECHNICAL BORING LOG

Prepared By Q.P. 24 Date 3-30-08

Checked By MM Date 3-30-07

11/14/77
SHEET 1 OF 4

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: R. Landeros/ N. Rodriguez						GROUND WATER (ft)			
BORING NO.: B-710G(DH)						DRILL METHOD: Mud Rotary						SAMPLE METHODS: NA						0 HR. NA			
GROUND ELEV.: -1.4 ft (NAVD88)						NORTHING: 397,075 US ft (NAD83/90)						EASTING: 875,792 US ft (NAD83/90)						24 HR. NA			
TOTAL DEPTH: 273.5 ft						BORING DIAMETER: 4" to 273.5'						CASING DEPTH: 4" to 115.0'						HAMMER (ID): 140 lb. Auto (MEC-05)			
DATE STARTED: 3/10/08						COMPLETED: 3/13/08						CORE SIZE: NA						BITS USED: 3 7/8" Milling & 3 7/8" Roller Cone			
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											
-1.4					Ground Surface								-1.4 0.0								
					SEE LEGEND FOR ROCK HARDNESS CRITERIA BASED ON SPT DATA.								-4.9 3.5 Muck Limestone (Miami Formation)								
													-26.4 25.0 Limestone (Upper Fort Thompson Formation) 30.0ft: some loss of circulation								
													-49.9 48.5 Limestone (Lower Fort Thompson Formation)								

[illegible]

TURKEY POINT COL. BORE TURKEY POINT GPJ TURKEY POINT COL.GDT 5.30'08

[illegible]

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

[illegible]

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



GEOTECHNICAL BORING LOG

Prepared By 2774 Date 5-3-08

Checked By 2774 Date 5-3-08

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-711					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core					0 HR.	NA
GROUND ELEV.: -1.1 ft (NAVD88)					NORTHING: 397,086 US ft (NAD83/90)					EASTING: 875,885 US ft (NAD83/90)					24 HR.	NA
TOTAL DEPTH: 151.7 ft			BORING DIAMETER: 4" to 30.5', 3" to 151.7'					CASING DEPTH: 4" to 30.5', 3" to 123.0'					HAMMER (ID):140 lb. Auto (07)			
DATE STARTED: 3/4/08			COMPLETED: 3/6/08			CORE SIZE: HQ3			BITS USED: 3 7/8" Tricone							
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						
-1.1					Ground Surface											
-1.1	0.0	WOH	WOH	1	●1						711-1			-1.1	0.0	
-3.6	2.5										711-2A&B			-4.1	3.0	
-6.1	5.0	WOR	8	11	●19						711-3			2.5ft: dark grayish brown (10YR4/2)		
-8.6	7.5	8	7	6	●13						711-4			LIMESTONE, boundstone, white (5Y8/1), very soft, wet, friable, strong HCl reaction, oolitic (Miami Formation)		
-11.0	9.9	7	11	3	●14						711-5					
-13.6	12.5	4	7	7	●14						711-6					
-16.1	15.0	35	36	22					●58		711-7			12.5ft: moderately hard		
		11	17	22					●39					15.0ft: medium hard		
														16.5ft: loss of circulation		
-21.1	20.0	8	6	5	●11						711-8			20.0ft: very soft		
-25.1	24.0	14	8	1	●9						711-9			24.0ft: friable to indurated, some circulation returned	26.0	
-30.0	28.9													LIMESTONE, boundstone, white (5Y8/1), hard, wet, strong HCl reaction, indurated, highly fragmented (Upper Fort Thompson Formation)		
-31.6	30.5	19	29	32					●61		711-10			30.5ft: Switch sampling method to coring		
											RUN-1			30.5ft: hard, indurated, few to little vugs, fossiliferous, recrystallized calcite, coralline		
-36.6	35.5										711-CS-01			30.5ft: loss of circulation		
											RUN-2					
											711-CS-02					
-41.6	40.5										RUN-3					
-46.6	45.5										RUN-4			45.5ft: white (5Y8/1), to 46.7ft then gray (5Y6/1), to 48.4ft, trace vugs	48.4	
-51.6	50.5										RUN-5			LIMESTONE, boundstone, white (5Y8/1), hard, indurated, fossiliferous, porous, few vugs, few shell molds and casts, strong HCl reaction (Lower Fort Thompson Formation)		
											711-CS-03					
-56.6	55.5										RUN-6					
-61.6	60.5										711-CS-04					
											RUN-7					
											711-CS-05					
-66.6	65.5										711-CS-06					
											RUN-8					
-71.6	70.5										RUN-9					

TURKEY POINT COL BORE TURKEY POINT COL GDI 5/30/08



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-711		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA									
GROUND ELEV.: -1.1 ft (NAVD88)		NORTHING: 397,086 US ft (NAD83/90)		EASTING: 875,885 US ft (NAD83/90)		24 HR. NA									
TOTAL DEPTH: 151.7 ft		BORING DIAMETER: 4" to 30.5', 3" to 151.7'		CASING DEPTH: 4" to 30.5', 3" to 123.0'		HAMMER (ID): 140 lb. Auto (07)									
DATE STARTED: 3/4/08		COMPLETED: 3/6/08		CORE SIZE: HQ3		BITS USED: 3 7/8" Tricone									
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					
-75.9					Continued from previous page										
-76.6	75.5														LIMESTONE, boundstone, white (5Y8/1), hard, indurated, fossiliferous, porous, few vugs, few shell molds and casts, strong HCl reaction (Lower Fort Thompson Formation) (continued)
-81.6	80.5														
-86.6	85.5														75.5ft: hard to moderately hard, indurated to moderately indurated 80.5ft: white (5Y8/1), to light gray (10YR7/2), hard, indurated, trace shell molds and casts
-91.6	90.5														
-96.6	95.5														85.5ft: white (5YR8/1), moderately hard, moderately indurated, trace vugs
-101.6	100.5														
-106.6	105.5														90.5ft: white (10YR8/1), medium hard to hard, moderately indurated, no vugs
-111.6	110.5														
-116.6	115.5														100.5ft: hard, indurated, little shell molds and casts
-121.6	120.5														
		5	7	6											105.5ft: medium hard to hard
-131.3	130.2	3	3	5											
-141.3	140.2	7	7	11											110.5ft: soft to hard, indurated
															114.1 Silty SAND (SM), white (10YR8/1), wet, indurated to friable, fine grained sand, little fines (Tamiami Formation)
															120.5ft: Switch sampling method to SPT 120.5ft: medium dense
															130.2ft: greenish gray (10Y6/1), loose, fine to medium grained sand, trace indurated cemented sand
															140.2ft: medium dense

TURKEY POINT COL BORE TURKEY POINT GPJ 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: 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-711		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA							
GROUND ELEV.: -1.1 ft (NAVD88)		NORTHING: 397,086 US ft (NAD83/90)		EASTING: 875,885 US ft (NAD83/90)		24 HR. NA							
TOTAL DEPTH: 151.7 ft		BORING DIAMETER: 4" to 30.5', 3" to 151.7'		CASING DEPTH: 4" to 30.5', 3" to 123.0'		HAMMER (ID): 140 lb. Auto (07)							
DATE STARTED: 3/4/08		COMPLETED: 3/6/08		CORE SIZE: HQ3		BITS USED: 3 7/8" Tricone							
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				
-150.7					Continued from previous page								
-151.3	150.2	3	6	10						711-14			-152.8 150.2ft: fine to coarse grained sand, fine to coarse gravel Boring Terminated at Elevation -152.8 ft 151.7

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: 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-711				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR.	NA
GROUND ELEV.: -1.1 ft (NAVD88)				NORTHING: 397,086 US ft (NAD83/90)				EASTING: 875,885		US ft (NAD83/90)		24 HR.	NA
TOTAL DEPTH: 151.7 ft				CASING DEPTH: 4" to 30.5', 3" to 123.0'						HAMMER (ID): 140 lb. Auto (07)			
DATE STARTED: 3/4/08		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		SAMP. NO.	STRATA		L O G	DESCRIPTION AND REMARKS			
				REC (ft) %	RQD (ft) %		REC (ft) %	RQD (ft) %					
										Begin Coring @ 30.5 ft			
-31.6	30.5	5.0	0:43 1:03 2:31	(5.0) 100%	(3.5) 70%	RUN-1	(16.6) 93%	(13.5) 75%		LIMESTONE, boundstone, white (5Y8/1), hard, wet, strong HCl reaction, indurated, highly fragmented (Upper Fort Thompson Formation) (continued) 30.5ft: hard, indurated, few to little vugs, fossiliferous, recrystallized calcite, coralline 30.5ft: loss of circulation			
-36.6	35.5		2:15 2:08			711-CS-01							
		5.0	1:16 2:31 3:00	(4.1) 82%	(3.8) 76%	RUN-2							
			1:32 1:38			711-CS-02							
-41.6	40.5												
		5.0	1:19 1:57 2:45	(4.6) 92%	(4.0) 80%	RUN-3							
			2:47 2:43										
-46.6	45.5												
		5.0	2:34 1:41 1:01	(4.4) 88%	(3.3) 66%	RUN-4				45.5ft: white (5Y8/1), to 46.7ft then gray (5Y6/1), to 48.4ft, trace vugs			
			1:45 3:58				(52.3) 81%	(37.1) 57%	-49.5	48.4			
-51.6	50.5	5.0	2:41 2:02 1:47	(5.0) 100%	(4.1) 82%	RUN-5				LIMESTONE, boundstone, white (5Y8/1), hard, indurated, fossiliferous, porous, few vugs, few shell molds and casts, strong HCl reaction (Lower Fort Thompson Formation)			
			1:18 2:02			711-CS-03							
-56.6	55.5	5.0	2:35 2:38 2:12	(5.0) 100%	(5.0) 100%	RUN-6							
			0:59 1:33			711-CS-04							
-61.6	60.5	5.0	2:51 2:12 2:17	(4.9) 98%	(4.2) 84%	RUN-7							
			2:02 1:00			711-CS-05 711-CS-06							
-66.6	65.5												
		5.0	0:56 0:49 0:43	(3.0) 60%	(1.4) 28%	RUN-8							
			0:52 4:15										
-71.6	70.5												
		5.0	3:29 4:55 4:43	(4.8) 96%	(4.1) 82%	RUN-9							
			2:20 4:25										
-76.6	75.5	5.0	1:21 1:33 1:42	(3.0) 60%	(0.9) 18%	RUN-10				75.5ft: hard to moderately hard, indurated to moderately indurated			
			1:28 1:49										
-81.6	80.5	5.0	1:06 0:56 1:42	(3.6) 72%	(1.0) 20%	RUN-11				80.5ft: white (5Y8/1), to light gray (10YR7/2), hard, indurated, trace shell molds and casts			
			2:35 1:42										
-86.6	85.5	5.0	2:13 3:21 4:00	(4.6) 92%	(3.9) 78%	RUN-12				85.5ft: white (5YR8/1), moderately hard, moderately indurated, trace vugs			
			3:36 1:28			711-CS-07							
-91.6	90.5	5.0	0:13 0:51 0:28	(3.5) 70%	(2.6) 52%	RUN-13				90.5ft: white (10YR8/1), medium hard to hard, moderately indurated, no vugs			
			0:28 1:08										
-96.6	95.5	5.0	0:33 0:36 0:40	(3.2) 64%	(0.8) 16%	RUN-14							
			0:43 1:03										
-101.6	100.5	5.0	0:54 0:44 1:20	(4.9) 98%	(4.4) 88%	RUN-15				100.5ft: hard, indurated, little shell molds and casts			
			1:03 1:46			711-CS-08 711-CS-09							
-106.6	105.5												

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



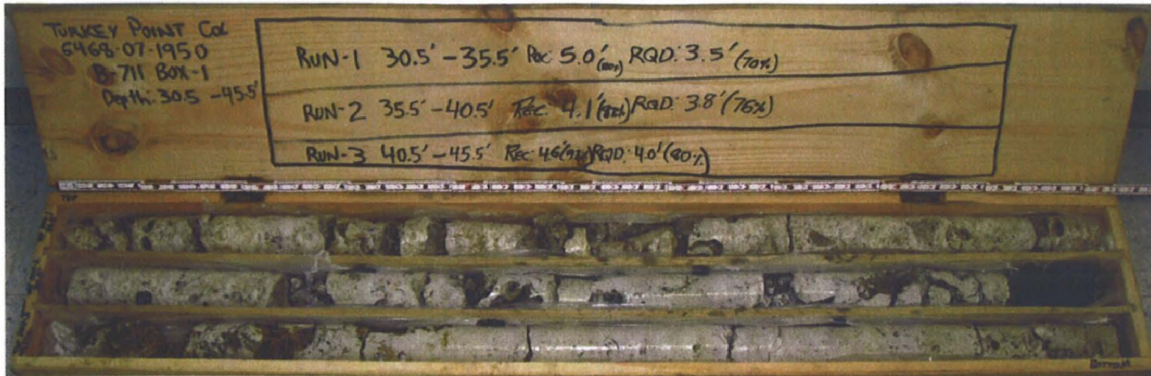
SHEET 2 OF 2

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: 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-711	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.1 ft (NAVD88)	NORTHING: 397,086 US ft (NAD83/90)	EASTING: 875,885 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 151.7 ft	CASING DEPTH: 4" to 30.5', 3" to 123.0'	HAMMER (ID): 140 lb. Auto (07)	
DATE STARTED: 3/4/08	COMPLETED: 3/6/08	CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

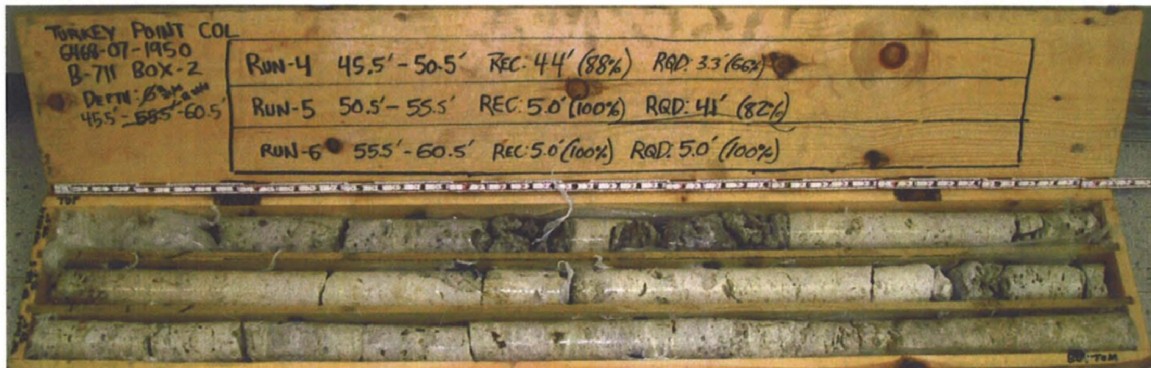
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		L O G	DESCRIPTION AND REMARKS
				REC (ft) %	RQD (ft) %		REC (ft) %	RQD (ft) %		
										Continued from previous page
-111.6	110.5	5.0	0.42 0.54 0.54 0.48 0.45	(4.4) 88%	(3.6) 72%	RUN-16				LIMESTONE, boundstone, white (5Y8/1), hard, indurated, fossiliferous, porous, few vugs, few shell molds and casts, strong HCl reaction (Lower Fort Thompson Formation) (continued) 105.5ft: medium hard to hard
-116.6	115.5	5.0	0.38 0.47 0.55 0.59 0.23	(2.1) 42%	(0.0) 0%	RUN-17	(1.2) 16%	(NA)		110.5ft: soft to hard, indurated Silty SAND (SM), white (10YR8/1), wet, indurated to friable, fine grained sand, little fines (Tamiami Formation)
-121.6	120.5	5.0	0.39 0.33 0.46 1.11 0.47	(0.0) 0%	(0.0) 0%	RUN-18				

Coring Terminated at Elevation -121.6

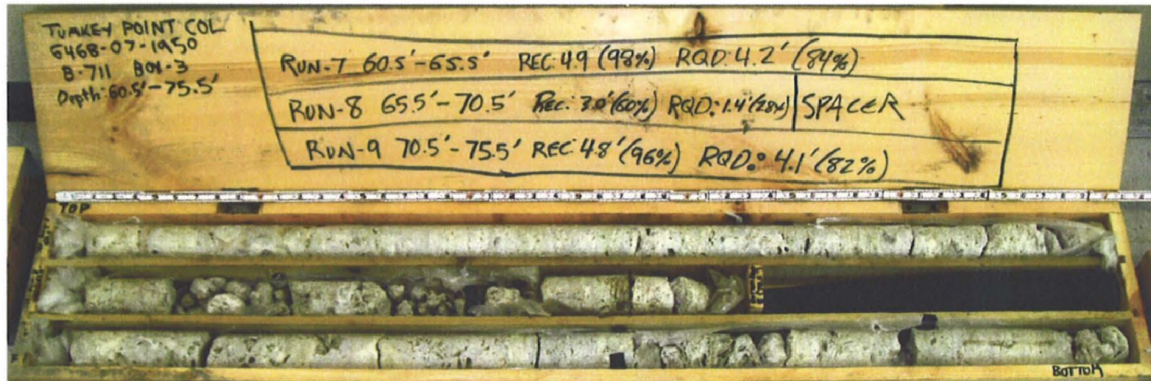
TURKEY POINT COL CORE: TURKEY POINT.GPJ TURKEY POINT COL.GDT 5/30/08



B-711 - Box 1



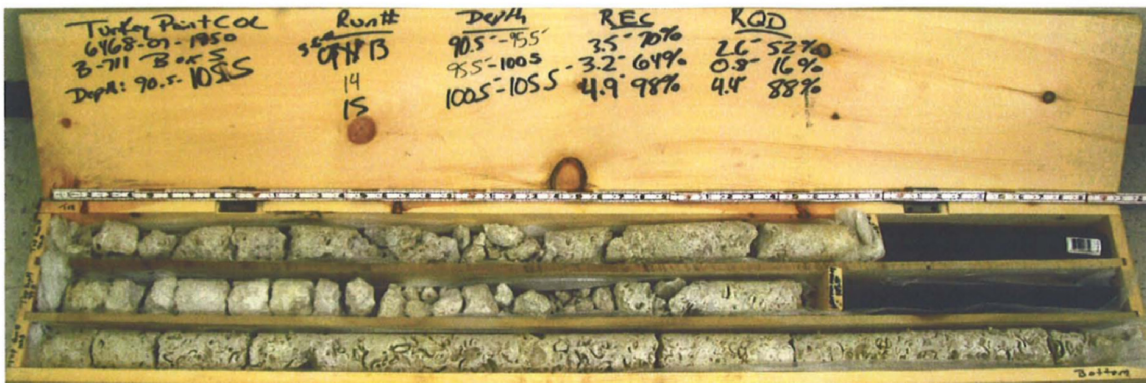
B-711 - Box 2



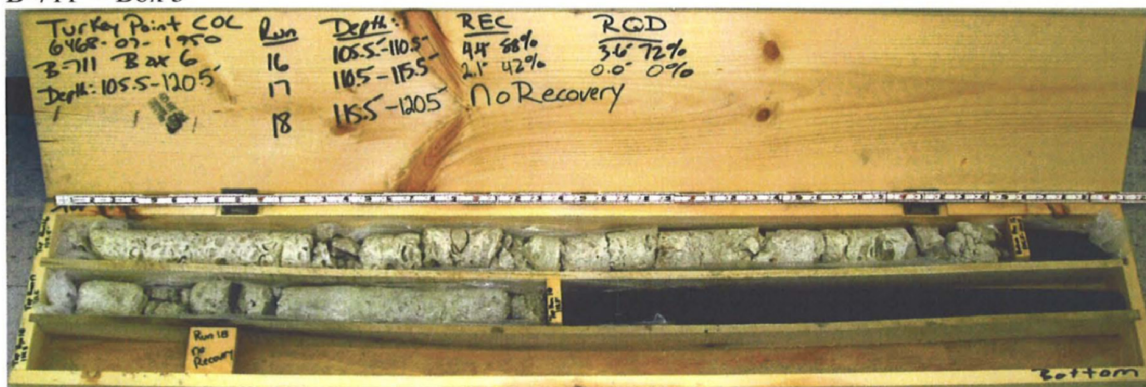
B-711 - Box 3



B-711 - Box 4



B-711 - Box 5



B-711 - Box 6



GEOTECHNICAL BORING LOG

Prepared By MM Date 7-10-08

Checked By MM Date 7-10-08

SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade				GEOLOGIST: G. Pillappa			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-55 LC (RAL)				DRILLER: R. Banks/ J. Rosser				GROUND WATER (ft)			
BORING NO.: B-712				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA			
GROUND ELEV.: -1.1 ft (NAVD88)				NORTHING: 397,082 US ft (NAD83/90)				EASTING: 876,022 US ft (NAD83/90)				24 HR. NA			
TOTAL DEPTH: 128.3 ft				BORING DIAMETER: 4" to 28.1', 3" to 128.3'				CASING DEPTH: 4" to 28.1', 3" to 122.0'				HAMMER (ID): 140 lb. Auto (MEC-02)			
DATE STARTED: 3/19/08				COMPLETED: 3/21/08				CORE SIZE: HQ3				BITS USED: 2 7/8" Tricone			
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.				
-1.1					Ground Surface										
-1.1	0.0	WOH	WOH	WOH	0						712-1		-1.1	0.0	MUCK, very dark grayish brown (2.5Y3/2), very soft, moist, mostly organic, strong HCl reaction
-4.0	2.9										712-2		-4.2	3.1	LIMESTONE, boundstone, pale yellow (5Y8/2), very soft, wet, strong HCl reaction, oolitic
-7.1	6.0	7	6	5							712-3				6.0ft: white (5Y8/1)
-10.1	9.0	6	4	16							712-4				
-12.5	11.4	3	4	7							712-5				11.4ft: white (10YR8/1), moderately hard
-14.9	13.8	16	46	12							712-6				
		16	28	44											
-20.1	19.0	6	9	11							712-7				19.0ft: very soft, moist, trace shell fragments
-25.1	24.0														
		6	9	4							712-8				
-30.1	29.0														
-31.6	30.5	24	27	30							712-9				LIMESTONE, boundstone, white (10YR8/1), very soft, moist, strong HCl reaction, trace shell fragments (Upper Fort Thompson Formation)
-32.9	31.8										RUN-1				26.5ft: loss of circulation
											RUN-2				29.0ft: hard
															30.5ft: Switch sampling method to coring
															30.5ft: white, (5Y8/1), hard, indurated, strong HCl reaction, little vugs
-37.9	36.8										RUN-3				31.8ft: fossiliferous, coralline, some vugs
															36.8ft: dark greenish gray (4/10Y), few vugs
-42.9	41.8										RUN-4				41.8ft: pale yellow (2.5Y8/4)
-47.9	46.8														
											RUN-5				46.8ft: white (2.5Y8/1), to 48.4ft then gray (N5/) to 50.8ft
-52.9	51.8														
											RUN-6				LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)
-57.9	56.8														
											RUN-7				56.8ft: white (5Y8/1)
-62.9	61.8														
											RUN-8				
-67.9	66.8														
											RUN-9				66.8ft: white (8/N)
-72.9	71.8														
											RUN-10				71.8ft: white (5Y8/1)

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