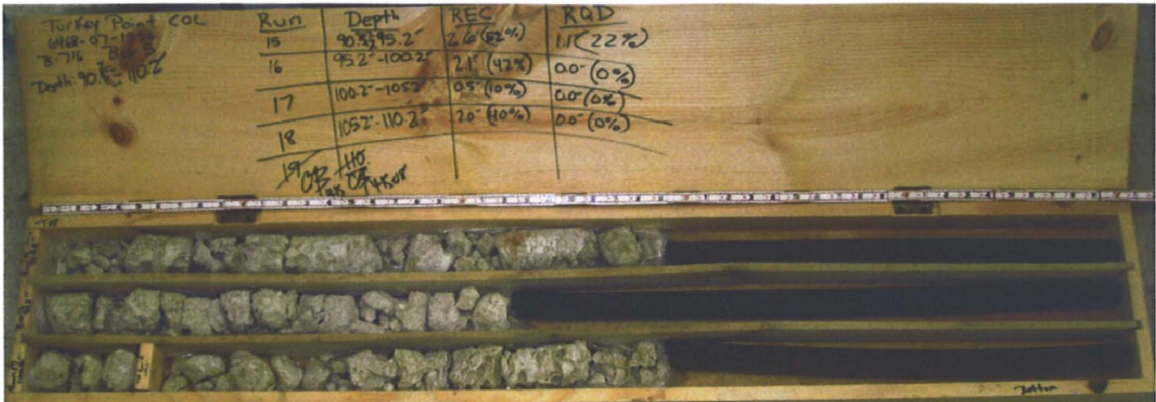




B-716 - Box 5



B-716 - Box 6



GEOTECHNICAL BORING LOG

Prepared By SP4 Date 8-19-08Checked By SP2 Date 8/19/08

SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409					MACTEC PROJECT NO.: 6468-07-1950					COUNTY: Miami-Dade			GEOLOGIST: M. Lear				
SITE DESCRIPTION: Turkey Point COL					DRILL MACHINE: CME-550 (ATL)					DRILLER: L. Carter/ J. Landeros					GROUND WATER (ft)		
BORING NO.: B-717					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core					0 HR. NA		
GROUND ELEV.: -1.1 ft (NAVD88)					NORTHING: 397,287 US ft (NAD83/90)					EASTING: 875,873 US ft (NAD83/90)					24 HR. NA		
TOTAL DEPTH: 127.2 ft			BORING DIAMETER: 4" to 18.3', 3" to 127.2'					CASING DEPTH: 4" to 18.3', 3" to 118.1'					HAMMER (ID):140 lb. Auto (MEC-03)				
DATE STARTED: 4/15/08			COMPLETED: 4/17/08			CORE SIZE: HQ3			BITS USED: 3" & 4" 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							
-1.1					Ground Surface												
-1.1	0.0	WOH	WOH	WOH	0						717-1			-1.1	0.0		
-3.7	2.6										717-2A&B						
-6.1	5.0	WOH	1	16							717-3			-4.7	3.6		
-8.5	7.4	8	6	6							717-4						
-11.1	10.0	5	4	7							717-5						
-13.6	12.5	7	5	9							717-6						
-15.9	14.8	4	14	14							717-7						
		18	17	46													
-20.5	19.4																
-21.0	19.9	50/0.5									717-8 RUN-1						
-24.2	23.1										RUN-2						
-29.2	28.1										RUN-3			-26.1	25.0		
-34.2	33.1										RUN-4						
-39.2	38.1										RUN-5						
-44.2	43.1										RUN-6						
-49.2	48.1										RUN-7			-50.0	48.9		
-54.2	53.1										RUN-8						
-59.2	58.1										RUN-9						
-64.2	63.1										RUN-10						
-69.2	68.1										RUN-11			-67.0	65.9		
-74.2	73.1										RUN-12			-70.7	69.6		

TURKEY POINT COL BORE, TURKEY POINT GP, TURKEY POINT COL GDT 8:19:08



SHEET 2 OF 2

BECHTEL PROJECT NO.: 25409		MACTEC PROJECT NO.: 6468-07-1950		COUNTY: Miami-Dade		GEOLOGIST: M. Lear							
SITE DESCRIPTION: Turkey Point COL		DRILL MACHINE: CME-550 (ATL)		DRILLER: L. Carter/ J. Landeros		GROUND WATER (ft)							
BORING NO.: B-717		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA							
GROUND ELEV.: -1.1 ft (NAVD88)		NORTHING: 397,287 US ft (NAD83/90)		EASTING: 875,873 US ft (NAD83/90)		24 HR. NA							
TOTAL DEPTH: 127.2 ft		BORING DIAMETER: 4" to 18.3', 3" to 127.2'		CASING DEPTH: 4" to 18.3', 3" to 118.1'		HAMMER (ID): 140 lb. Auto (MEC-03)							
DATE STARTED: 4/15/08		COMPLETED: 4/17/08		CORE SIZE: HQ3		BITS USED: 3" & 4" 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	MOI		
-75.9					Continued from previous page								
-79.2	78.1												73.1ft: light gray (10YR7/1), to white (7.5YR8/1)
-84.2	83.1												75.0 to 76.0ft: possible interbedded sand layer LIMESTONE, boundstone, light gray (10YR7/1), moderately hard, moderately indurated, trace vugs, fossiliferous, strong HCl reaction, sandy (continued)
-89.2	88.1												78.1ft: white (7.5YR8/1)
-94.2	93.1												83.1ft: few shell molds and casts
-99.2	98.1												
-104.2	103.1												
-109.2	108.1												93.1ft: indurated, little to some shell molds and casts
-114.2	113.1												
-119.2	118.1	28	27	27									108.1ft: moderately indurated
-126.8	125.7	6	9	14									115.1ft: SANDSTONE, light greenish gray (10Y7/1), medium hard, moderately indurated, trace shell fragments, strong HCl reaction (Tamiami Formation)
													118.1ft: Silty SAND (SM), greenish gray (10Y5/1), very dense, wet, fine grained sand, little fines, strong HCl reaction, trace shell fragments
													118.1ft: Switch sampling method to SPT
													125.7ft: medium dense, weak HCl reaction, trace limestone fragments
													Boring Terminated at Elevation -128.3 ft

TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL GDT 8/19/08



SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: M. Lear
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 (ATL)	DRILLER: L. Carter/ J. Landeros	GROUND WATER (ft)
BORING NO.: B-717	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.1 ft (NAVD88)	NORTHING: 397,287 US ft (NAD83/90)	EASTING: 875,873 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 127.2 ft	CASING DEPTH: 4" to 18.3', 3" to 118.1'	HAMMER (ID): 140 lb. Auto (MEC-03)	
DATE STARTED: 4/15/08	COMPLETED: 4/17/08	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 @ 19.9 ft
-21.0	19.9	3.2	0:23/0.2 0:29 0:13 0:15	(1.6) 50%	(0.0) 0%	RUN-1	(1.9) 37%	(0.0) 0%		LIMESTONE, boundstone, light gray (10YR7/2), very soft, wet, sandy, fossiliferous, friable, oolitic, strong HCl reaction (Miami Formation) (continued)
-24.2	23.1									19.9ft. medium hard to moderately hard, moderately indurated, locally interconnected vugs
		5.0	2:13 0:19 1:05 1:50 1:17	(3.4) 68%	(2.0) 40%	RUN-2	(21.3) 89%	(18.3) 77%	-26.1	LIMESTONE, boundstone, white (10YR8/1), moderately hard, moderately indurated to indurated, trace vugs, coralline, fossiliferous, strong HCl reaction (Upper Fort Thompson Formation)
-29.2	28.1									25.0ft. loss of circulation 28.1ft. moderately hard to hard, indurated, little vugs, recrystallized calcite
		5.0	3:29 1:31 1:23 1:07 1:16	(5.0) 100%	(4.3) 86%	RUN-3				33.1ft. moderately hard, moderately indurated to indurated, few vugs
-34.2	33.1									38.1ft. light gray (10YR7/1), hard, indurated
		5.0	1:48 0:45 0:17 0:37 0:48	(2.7) 54%	(1.8) 36%	RUN-4				43.1ft. horizontal bedding plane at 47.5ft
-39.2	38.1									48.1ft. light gray (10YR7/1) to 48.9ft. horizontal bedding plane at 48.9ft
		5.0	0:52 1:50 2:03 2:15 2:04	(4.7) 94%	(4.4) 88%	RUN-5	(16.7) 98%	(13.9) 82%	-50.0	LIMESTONE, boundstone, white (7.5YR8/1), hard, indurated, trace vugs, fossiliferous, few shell molds and casts, strong HCl reaction (Lower Fort Thompson Formation)
-44.2	43.1									53.1ft. white (7.5YR8/1)
		5.0	2:00 3:04 2:42 2:44 2:39	(5.0) 100%	(5.0) 100%	RUN-6				58.1ft. light gray (10YR7/1), trace vugs, trace shell molds and casts
-49.2	48.1									63.1ft. moderately hard, moderately indurated
		5.0	2:16 1:55 2:12 1:52 1:36	(5.0) 100%	(5.0) 100%	RUN-7	(0.0) 0%	(NA)	-67.0	possible POORLY SORTED SAND (SP), based on fast drilling rate and lack of recovery
-54.2	53.1									LIMESTONE, boundstone, light gray (10YR7/1), moderately hard, moderately indurated, trace vugs, fossiliferous, strong HCl reaction, sandy
		5.0	1:00 1:01 1:18 1:28 0:48	(4.7) 94%	(3.8) 76%	RUN-8			-70.7	73.1ft. light gray (10YR7/1), to white (7.5YR8/1) 75.0 to 76.0ft. possible interbedded sand layer
-59.2	58.1									78.1ft. white (7.5YR8/1)
		5.0	1:22 1:56 2:21 2:12 1:59	(5.0) 100%	(4.2) 84%	RUN-9				83.1ft. few shell molds and casts
-64.2	63.1									93.1ft. indurated, little to some shell molds and casts
		5.0	1:31 1:17 1:08 0:42 0:22	(2.8) 56%	(1.7) 34%	RUN-10				
-69.2	68.1									
		5.0	0:25 1:30 2:47 1:32 1:38	(3.5) 70%	(2.4) 48%	RUN-11				
-74.2	73.1									
		5.0	1:38 2:02 0:07 2:28 1:13	(3.4) 68%	(1.9) 38%	RUN-12				
-79.2	78.1									
		5.0	1:44 2:27 1:26 1:10 1:04	(4.2) 84%	(2.7) 54%	RUN-13				
-84.2	83.1									
		5.0	0:52 0:49 0:50 2:53 1:26	(3.4) 68%	(1.4) 28%	RUN-14				
-89.2	88.1									
		5.0	2:33 1:15 0:53 1:30 1:11	(3.9) 78%	(2.0) 40%	RUN-15				
-94.2	93.1									
		5.0	0:26	(4.9)	(4.1)	RUN-16				

TURKEY POINT COL CORE TURKEY POINT GP TURKEY POINT COL GDT 8/19/08

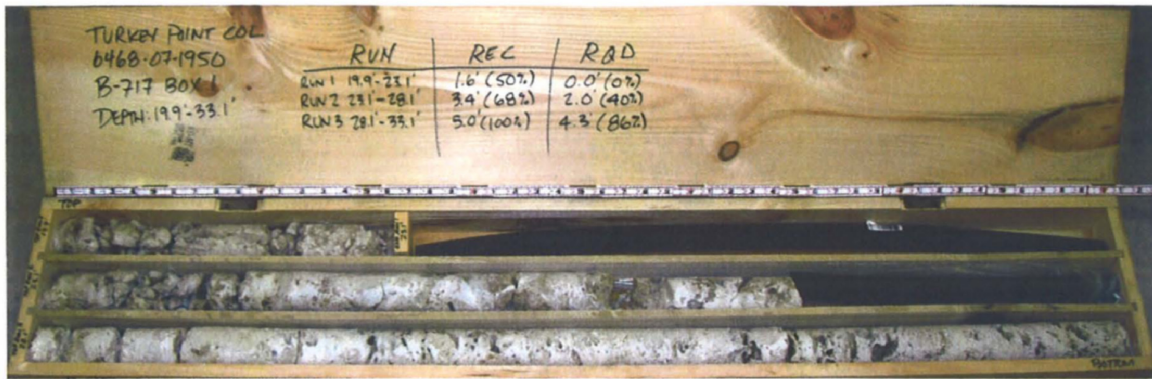


SHEET 2 OF 2

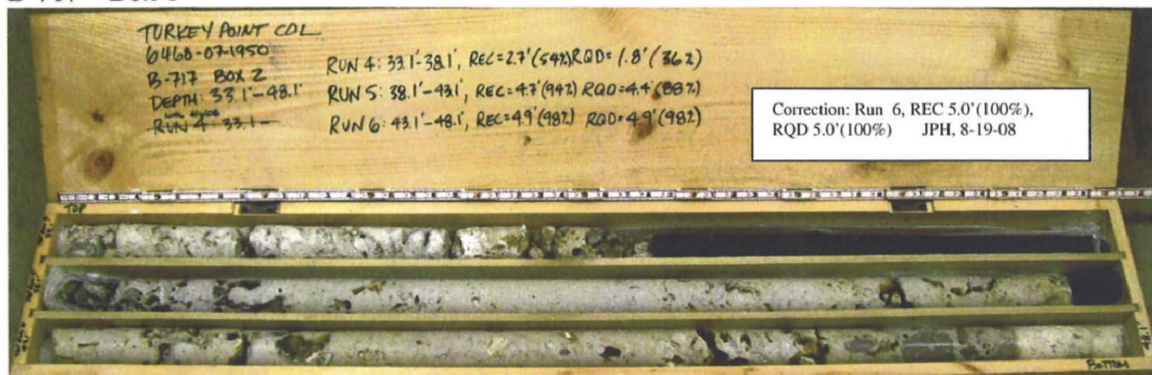
BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: M. Lear
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 (ATL)	DRILLER: L. Carter/ J. Landeros	GROUND WATER (ft)
BORING NO.: B-717	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.1 ft (NAVD88)	NORTHING: 397,287 US ft (NAD83/90)	EASTING: 875,873 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 127.2 ft	CASING DEPTH: 4" to 18.3', 3" to 118.1'	HAMMER (ID): 140 lb. Auto (MEC-03)	
DATE STARTED: 4/15/08	COMPLETED: 4/17/08	CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC (ft) %	RQD (ft) %	SAMP. NO.	REC (ft) %	RQD (ft) %	LOG	DESCRIPTION AND REMARKS
										Continued from previous page
-99.2	98.1		0.15 0.22 0.31 0.38	98%	82%					LIMESTONE, boundstone, light gray (10YR7/1), moderately hard, moderately indurated, trace vugs, fossiliferous, strong HCl reaction, sandy (continued)
		5.0	0.35 0.31 0.49 0.37 0.45	(3.8) 76%	(1.5) 30%	RUN-17				
-104.2	103.1	5.0	0.42 0.47 0.50 0.51 0.38	(5.0) 100%	(4.3) 86%	RUN-18				
-109.2	108.1	5.0	0.46 1.16 1.24 1.12 0.55	(2.4) 48%	(0.9) 18%	RUN-19				108.1ft: moderately indurated
-114.2	113.1	5.0	0.41 0.49 0.28 0.44 0.57	(2.0) 40%	(0.0) 0%	RUN-20	(1.1) 100%	(0.0) 0%		
-119.2	118.1						(0.0) 0%	(NA)		SANDSTONE, light greenish gray (10Y7/1), medium hard, moderately indurated, trace shell fragments, strong HCl reaction (Tamiami Formation) Silty SAND (SM), greenish gray (10Y5/1), very dense, wet, fine grained sand, little fines, strong HCl reaction, trace shell fragments Coring Terminated at Elevation -119.2

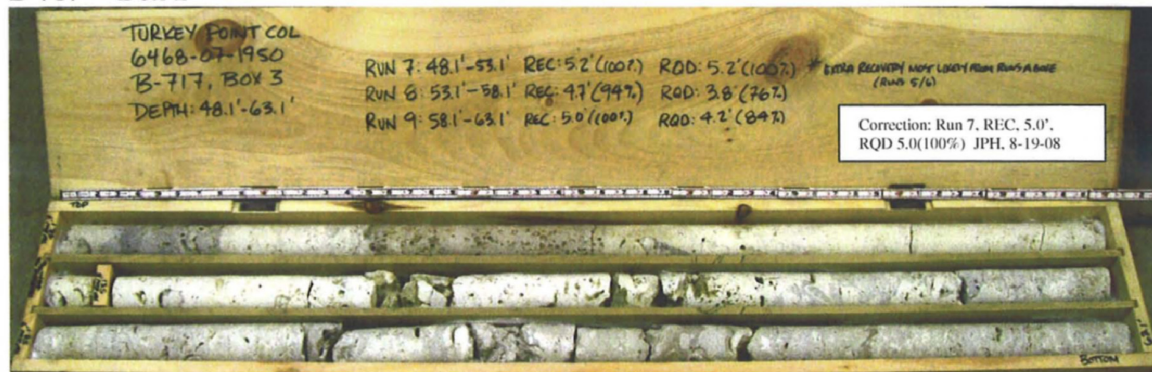
TURKEY POINT COL CORE TURKEY POINT I.GPJ TURKEY POINT COL GDT 8/19/08



B-717 - Box 1



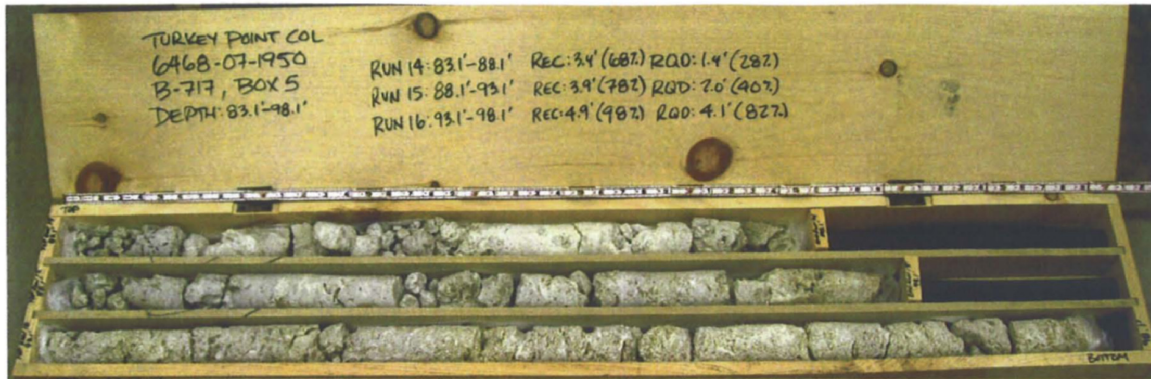
B-717 - Box 2



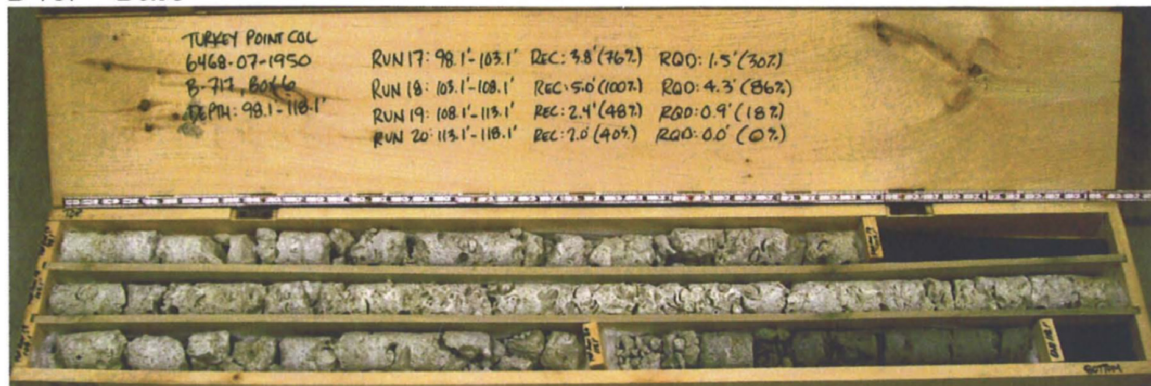
B-717 - Box 3



B-717 - Box 4



B-717 - Box 5



B-717 - Box 6



GEOTECHNICAL BORING LOG

Prepared By DPZ Date 5-30-08Checked By MLL 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-718					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core					0 HR. NA		
GROUND ELEV.: -1.2 ft (NAVD88)					NORTHING: 397,191 US ft (NAD83/90)					EASTING: 875,793 US ft (NAD83/90)					24 HR. NA		
TOTAL DEPTH: 150.8 ft			BORING DIAMETER: 4" to 34.8', 3" to 150.8'					CASING DEPTH: 4" to 34.8', 3" to 120.0'					HAMMER (ID):140 lb. Auto (MEC-03)				
DATE STARTED: 4/3/08			COMPLETED: 4/5/08			CORE SIZE: HQ3			BITS USED: 3" & 4" 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.						
-1.2					Ground Surface								-1.2	0.0			
-1.2	0.0	WOR	WOR	WOR							718-1						
-3.7	2.5										718-2A&B						
-6.2	5.0	4	5	8							718-3						
-8.7	7.5	8	7	6							718-4						
-11.2	10.0	8	11	4							718-5						
-13.7	12.5	WOH	3	13							718-6						
-16.2	15.0	6	10	14							718-7						
		20	22	21													
-20.7	19.5																
		6	4	5							718-8			19.5ft: very soft			
-25.7	24.5																
		6	23	30							718-9			24.5ft: white (10YR8/1), to light gray (10YR7/1), moderately hard			
-30.7	29.5																
		9	33	13							718-10						
-35.7	34.5																
-36.0	34.8	50/0.3									718-11						
-39.1	37.9										RUN-1						
											RUN-2						
-44.1	42.9										RUN-3						
-49.1	47.9										RUN-4						
											RUN-5						
-54.1	52.9																
											RUN-6						
-59.1	57.9																
											RUN-7						
-64.1	62.9																
											RUN-8						
-69.1	67.9																
											RUN-9						
-74.1	72.9																

TURKEY POINT COL BORE TURKEY POINT.GPJ 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			GROUND WATER (ft)					
BORING NO.: B-718			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA					
GROUND ELEV.: -1.2 ft (NAVD88)			NORTHING: 397,191 US ft (NAD83/90)			EASTING: 875,793 US ft (NAD83/90)			24 HR. NA					
TOTAL DEPTH: 150.8 ft			BORING DIAMETER: 4" to 34.8", 3" to 150.8"			CASING DEPTH: 4" to 34.8", 3" to 120.0'			HAMMER (ID): 140 lb. Auto (MEC-03)					
DATE STARTED: 4/3/08			COMPLETED: 4/5/08			CORE SIZE: HQ3			BITS USED: 3" & 4" 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				
-76.0					Continued from previous page									
-79.1	77.9												moderately indurated	
-84.1	82.9										RUN-10		74.0 to 83.0ft: possible interbedded sand layers; based on drill rates	
-89.1	87.9										RUN-11		LIMESTONE, boundstone, white (10YR8/1), to pale brown (10YR6/3), hard, indurated, fossiliferous, trace shell molds, trace vugs, strong HCl reaction (Lower Fort Thompson Formation) (continued)	
-94.1	92.9										RUN-12		77.9ft: medium hard, interbedded sand layers through out	
-99.1	97.9										RUN-13		82.9ft: moderately hard, moderately indurated to indurated	
-104.1	102.9										RUN-14		87.9ft: moderately hard to hard	
-109.1	107.9										RUN-15		92.9ft: medium hard	
-114.1	112.9										RUN-16		97.7ft: few vugs, little shell molds and casts	
-119.5	118.3	4	5	9							RUN-17		102.9ft: moderately hard	
-128.6	127.4	3	5	5							718-12		107.9ft: white (2.5Y8/1), to light gray (10YR7/1), medium hard, few shell molds and casts	
-138.6	137.4	7	7	9							718-13		112.9ft: light gray (10YR7/1), moderately hard, trace vugs	
-150.5	149.3										718-14		115.0ft: Silty SAND (SM), light gray (2.5Y7/1), to light greenish gray (10Y7/1), medium dense, wet, fine grained sand, strong HCl reaction, trace shell fragments (Tamiami Formation)	
													116.2ft: 115.0ft	
													118.3ft: Switched sampling method to SPT	
													127.4ft: olive gray (5Y5/2), loose	
													136.2ft: 135.0ft	
													Sandy SILT (ML), olive gray (5Y4/3), very stiff, wet, strong HCl reaction	



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-718			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA						
GROUND ELEV.: -1.2 ft (NAVD88)			NORTHING: 397,191 US ft (NAD83/90)			EASTING: 875,793 US ft (NAD83/90)			24 HR. NA						
TOTAL DEPTH: 150.8 ft			BORING DIAMETER: 4" to 34.8', 3" to 150.8'			CASING DEPTH: 4" to 34.8', 3" to 120.0'			HAMMER (ID): 140 lb. Auto (MEC-03)						
DATE STARTED: 4/3/08			COMPLETED: 4/5/08			CORE SIZE: HQ3			BITS USED: 3" & 4" Roller Cones						
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					
-150.8					Continued from previous page										
		5	7	9	● 16						718-15		-152.0	150.8	
														Boring Terminated at Elevation -152.0 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-718		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		
GROUND ELEV.: -1.2 ft (NAVD88)		NORTHING: 397,191 US ft (NAD83/90)		EASTING: 875,793 US ft (NAD83/90)		0 HR. NA
						24 HR. NA
TOTAL DEPTH: 150.8 ft		CASING DEPTH: 4" to 34.8', 3" to 120.0'			HAMMER (ID): 140 lb. Auto (MEC-03)	
DATE STARTED: 4/3/08		COMPLETED: 4/5/08		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) %		
										Begin Coring @ 34.8 ft
-36.0	34.8	3.1	0:48	(3.1)	(2.2)	RUN-1	(12.3)	(10.6)		LIMESTONE, boundstone, white (10YR8/1), to light brownish gray (10YR6/2), hard, wet, fossiliferous, trace vugs, strong HCl reaction (Upper Fort Thompson Formation) (continued)
-39.1	37.9	5.0	0:09/0.1	(5.0)	(4.9)	RUN-2				34.8ft: white (2.5Y8/1) and gray (2.5Y6/1), indurated, coralline, little vugs
			0:49	100%	98%					37.9ft: white (2.5Y8/1), trace vugs, trace recrystallized calcite
-44.1	42.9	5.0	1:26							
			1:17							
			1:16							
			1:20	(5.0)	(4.3)	RUN-3				42.9ft: white (2.5Y8/1), to pale yellow (2.5Y7/4), to gray (2.5Y6/1), moderately hard, moderately indurated, mostly coralline, horizontal bedding plane at 47.1ft
			1:08	100%	86%					
			1:28							
-49.1	47.9	5.0	1:53							
			1:20							
			1:19	(5.0)	(4.5)	RUN-4	(56.0)	(35.3)		LIMESTONE, boundstone, white (10YR8/1), to pale brown (10YR6/3), hard, indurated, fossiliferous, trace shell molds, trace vugs, strong HCl reaction (Lower Fort Thompson Formation)
			2:01	100%	90%		82%	52%		
			2:03							
-54.1	52.9	5.0	2:47							
			2:04							
			1:05	(4.6)	(3.9)	RUN-5				52.9ft: white (10YR8/1), trace sandy
			1:26	92%	78%					
			1:28							
-59.1	57.9	5.0	1:05							
			2:08							
			1:42	(5.0)	(3.7)	RUN-6				57.9ft: white (2.5Y 8/1), to light gray (2.5Y7/1), moderately hard to hard, sandy, trace to few shell molds and casts
			2:49	100%	74%					
			1:40							
-64.1	62.9	5.0	1:42							
			1:51							
			1:13	(4.6)	(3.1)	RUN-7				62.9ft: light gray (10YR7/1), moderately hard, moderately indurated
			1:06	92%	62%					
			1:26							
-69.1	67.9	5.0	1:08							
			0:50							
			0:20	(4.4)	(2.7)	RUN-8				67.9ft: white (10YR8/1), moderately hard, moderately indurated to indurated
			1:29	88%	54%					
			2:11							
-74.1	72.9	5.0	1:25							
			1:24							
			1:03	(3.5)	(1.1)	RUN-9				72.9ft: medium hard to moderately hard, moderately indurated
			0:21	70%	22%					74.0 to 83.0ft: possible interbedded sand layers, based on drill rates
			0:23							
-79.1	77.9	5.0	1:01							
			3:39							
			0:46	(2.2)	(0.8)	RUN-10				77.9ft: medium hard, interbedded sand layers through out
			0:23	44%	16%					
			0:22							
-84.1	82.9	5.0	0:09							
			0:38							
			0:30	(4.2)	(1.7)	RUN-11				82.9ft: moderately hard, moderately indurated to indurated
			0:25	84%	34%					
			1:04							
-89.1	87.9	5.0	1:34							
			2:49							
			1:40	(4.7)	(3.0)	RUN-12				87.9ft: moderately hard to hard
			0:48	94%	60%					
			1:45							
-94.1	92.9	5.0	1:30							
			1:35							
			0:24	(4.2)	(2.5)	RUN-13				92.9ft: medium hard
			0:26	84%	50%					
			0:26							
-99.1	97.9	5.0	0:57							
			0:45							
			0:25	(3.7)	(2.8)	RUN-14				97.7ft: few vugs, little shell molds and casts
			0:14	74%	56%					
			0:42							
-104.1	102.9	5.0	0:32							
			0:50							
			0:48	(4.9)	(3.4)	RUN-15				102.9ft: moderately hard
			0:42	98%	68%					
			0:39							
-109.1	107.9	5.0	0:27							
			0:52							
			0:39	(3.5)	(1.3)	RUN-16				107.9ft: white (2.5Y8/1), to light gray (10YR7/1), medium hard, few shell molds

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

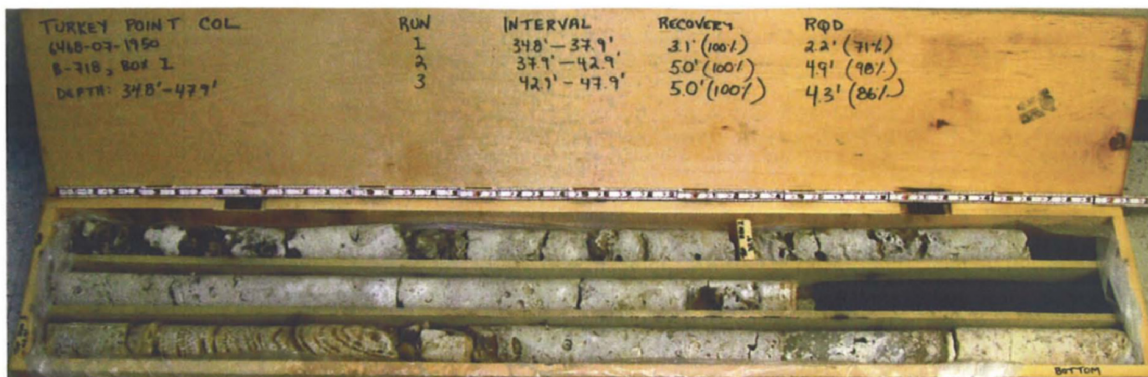


SHEET 2 OF 2

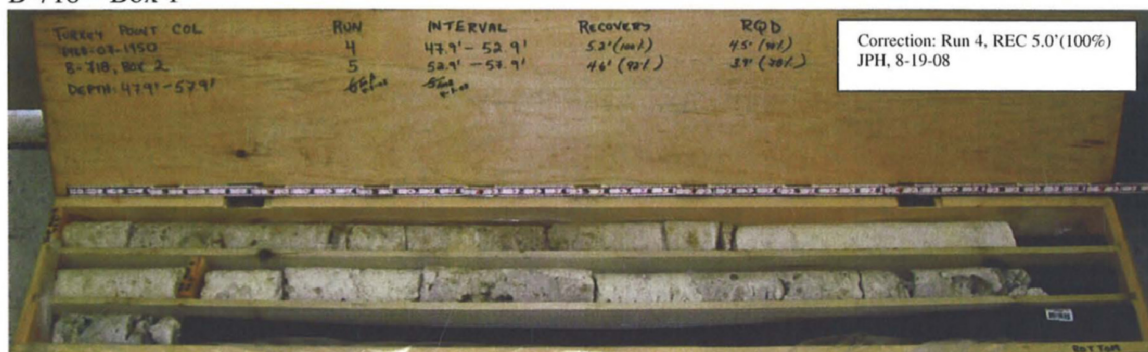
BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: L. Bisson
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 (ATL)	DRILLER: L. Carter/ J. Landeros	GROUND WATER (ft)
BORING NO.: B-718	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.2 ft (NAVD88)	NORTHING: 397,191 US ft (NAD83/90)	EASTING: 875,793 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 150.8 ft	CASING DEPTH: 4" to 34.8', 3" to 120.0'	HAMMER (ID): 140 lb. Auto (MEC-03)	
DATE STARTED: 4/3/08	COMPLETED: 4/5/08	CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC (ft) %	RQD (ft) %	SAMP. NO.	REC (ft) %	RQD (ft) %	L O G	DESCRIPTION AND REMARKS
										Continued from previous page
-114.1	112.9	5.0	0.38 0.54 0.43 1.32	70%	26%	RUN-17				and casts LIMESTONE, boundstone, white (10YR8/1), to pale brown (10YR6/3), hard, indurated, fossiliferous, trace shell molds, trace vugs, strong HCl reaction (Lower Fort Thompson Formation) (continued)
			0.27 0.32 0.08 0.10 0.18	(0.7) 14%	(0.0) 0%		(0.0) 0%	(NA)		112.9ft: light gray (10YR7/1), moderately hard, trace vugs
-119.1	117.9									Silty SAND (SM), light gray (2.5Y7/1), to light greenish gray (10Y7/1), medium dense, wet, fine grained sand, strong HCl reaction, trace shell fragments (Tamiami Formation)
										Coring Terminated at Elevation -119.1

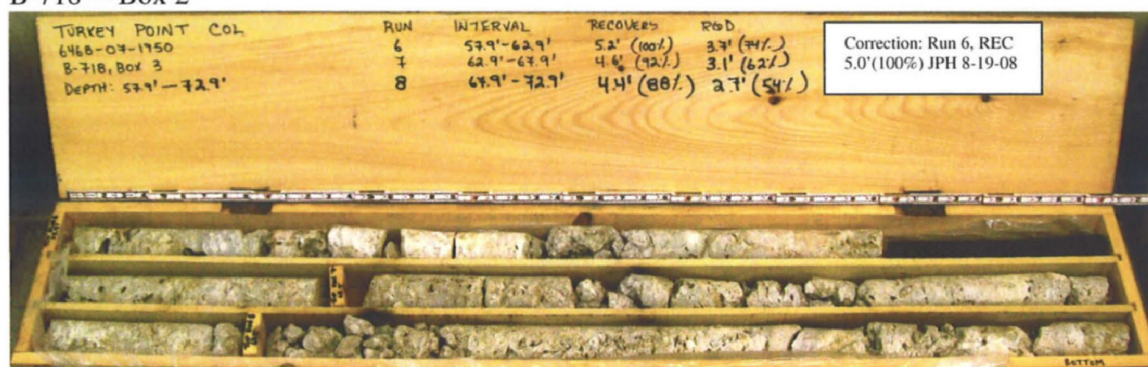
TURKEY POINT COL CORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 5.30.08



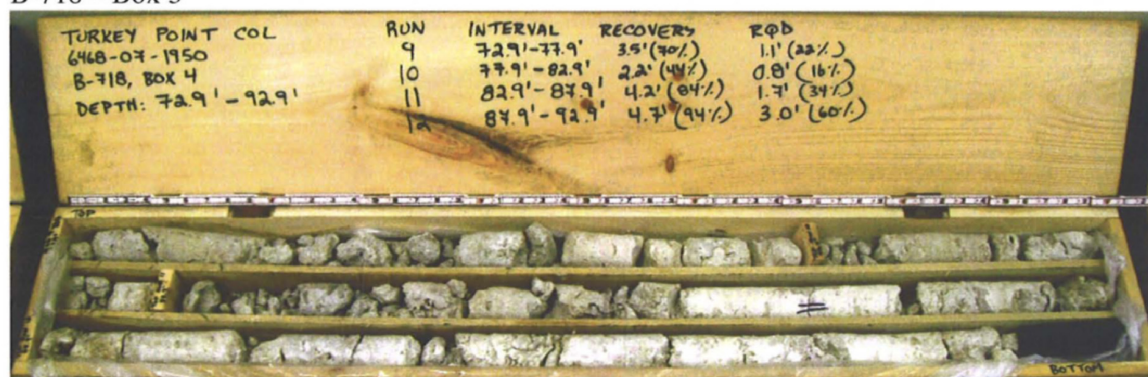
B-718 - Box 1



B-718 - Box 2



B-718 - Box 3



B-718 - Box 4



B-718 - Box 5



B-718 - Box 6



GEOTECHNICAL BORING LOG

Prepared By PPK Date 5-30-08Checked By TPM Date 9-2-08

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-719		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA							
GROUND ELEV.: -1.1 ft (NAVD88)		NORTHING: 397,293 US ft (NAD83/90)		EASTING: 875,791 US ft (NAD83/90)		24 HR. NA							
TOTAL DEPTH: 126.7 ft		BORING DIAMETER: 4" to 23.6", 3" to 126.7"		CASING DEPTH: 4" to 23.6", 3" to 115.2"		HAMMER (ID): 140 lb. Auto (MEC-02)							
DATE STARTED: 4/6/08		COMPLETED: 4/8/08		CORE SIZE: HQ3		BITS USED: 2 7/8" Tricone							
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			
-1.1					Ground Surface								
-1.1	0.0	WOH	WOH	WOH	0						719-1		MUCK, light brownish gray (10YR6/3), to very dark gray (10YR3/1), very soft, wet, mostly organic, strong HCl reaction
-3.7	2.6										719-2		Field notes do not indicate that sample 719-2 was split into separate jars
-6.1	5.0	WOH	8	50/0.4							719-3		LIMESTONE, boundstone, white (10YR8/1), hard, wet, fossiliferous, strong HCl reaction, oolitic (Miami Formation)
-8.6	7.5		14	19	13						719-4		5.0ft: medium hard
-11.0	9.9		14	8	5						719-5		7.5ft: very soft
-13.6	12.5		4	4	6						719-6		
-16.1	15.0		3	8	8						719-7		15.0ft: soft
-20.0	18.9		6	7	13						719-8		
-24.6	23.5		7	9	12						719-9		
-26.3	25.2		9	41	50/0.2						RUN-1		23.5ft: hard
-31.3	30.2										RUN-2		25.2ft: Switch sampling method to coring
-36.3	35.2										RUN-3		LIMESTONE, boundstone, white (10YR8/1), hard, indurated, trace fine grained sand, strong HCl reaction (Upper Fort Thompson Formation)
-41.3	40.2										RUN-4		30.2ft: fossiliferous, coralline, trace vugs
-46.3	45.2										RUN-5		35.2ft: white (10YR8/1), to light gray (10YR7/1)
-51.3	50.2										RUN-6		40.2ft: white (10YR8/1)
-56.3	55.2										RUN-7		45.2ft: light gray (10YR7/1) to 47.4ft
-61.3	60.2										RUN-8		47.4ft: LIMESTONE, boundstone, white (10YR8/1), hard, indurated, trace vugs, fossiliferous, strong HCl reaction, trace fine grained sand (Lower Fort Thompson Formation)
-66.3	65.2										RUN-9		
-71.3	70.2										RUN-10		55.2ft: few shell molds and casts

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

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

DCN# TUR512



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-719				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.1 ft (NAVD88)				NORTHING: 397,293 US ft (NAD83/90)				EASTING: 875,791 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 126.7 ft				CASING DEPTH: 4" to 23.6', 3" to 115.2'						HAMMER (ID): 140 lb. Auto (MEC-02)			
DATE STARTED: 4/6/08		COMPLETED: 4/8/08		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 @ 25.2 ft			
-26.3	25.2	5.0	0.23 0.17 0.26 0.39 0.46	(0.3) 6%	(0.0) 0%	RUN-1	(13.9) 63%	(10.6) 48%		LIMESTONE, boundstone, white (10YR8/1), hard, indurated, trace fine grained sand, strong HCl reaction (Upper Fort Thompson Formation) (continued)			
-31.3	30.2	5.0	1.01 1.02 0.34 0.29 0.46	(1.4) 28%	(0.4) 8%	RUN-2				30.2ft: fossiliferous, coralline, trace vugs			
-36.3	35.2	5.0	0.36 0.39 0.39 0.39 0.46	(5.0) 100%	(4.7) 94%	RUN-3				35.2ft: white (10YR8/1), to light gray (10YR7/1)			
-41.3	40.2	5.0	0.36 0.39 0.36 0.39 0.37	(5.0) 100%	(3.3) 66%	RUN-4				40.2ft: white (10YR8/1)			
-46.3	45.2	5.0	0.52 0.41 0.46 0.42 0.41	(5.0) 100%	(4.9) 98%	RUN-5				45.2ft: light gray (10YR7/1) to 47.4ft			
-51.3	50.2	5.0	0.50 0.42 0.37 0.31 0.29	(3.8) 76%	(3.1) 62%	RUN-6	(39.5) 60%	(23.6) 36%		-48.5	LIMESTONE, boundstone, white (10YR8/1), hard, indurated, trace vugs, fossiliferous, strong HCl reaction, trace fine grained sand (Lower Fort Thompson Formation)		
-56.3	55.2	5.0	0.29 0.32 0.31 0.40 0.34	(3.3) 66%	(1.0) 20%	RUN-7				55.2ft: few shell molds and casts			
-61.3	60.2	5.0	0.42 0.38 0.30 0.21 0.14	(2.3) 46%	(0.9) 18%	RUN-8							
-66.3	65.2	5.0	0.29 0.14 0.16 0.51 1.07	(2.0) 40%	(1.2) 24%	RUN-9							
-71.3	70.2	5.0	0.55 0.55 0.49 0.55 0.43	(5.0) 100%	(4.4) 88%	RUN-10							
-76.3	75.2	5.0	0.57 0.48 0.55 0.35 0.41	(1.4) 28%	(0.6) 12%	RUN-11				75.2 to 80.2ft: possible interbedded sand layers			
-81.3	80.2	5.0	0.26 0.33 0.38 0.35 0.41	(0.5) 10%	(0.0) 0%	RUN-12							
-86.3	85.2	5.0	0.42 1.01 0.41 0.46 0.35	(4.2) 84%	(2.3) 46%	RUN-13							
-91.3	90.2	5.0	0.33 0.41 0.31 0.28 0.29	(1.9) 38%	(0.4) 8%	RUN-14							
-96.3	95.2	5.0	0.28 0.26 0.22 0.21 0.29	(1.7) 34%	(0.0) 0%	RUN-15				95.2 to 100.2ft: possible interbedded sand layers			
-101.3	100.2												

TURKEY POINT COL CORE TURKEY POINT COL TURKEY POINT COL CDT 530/08



SHEET 2 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-719	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.1 ft (NAVD88)	NORTHING: 397,293 US ft (NAD83/90)	EASTING: 875,791 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 126.7 ft	CASING DEPTH: 4" to 23.6', 3" to 115.2'	HAMMER (ID): 140 lb. Auto (MEC-02)	
DATE STARTED: 4/6/08	COMPLETED: 4/8/08	CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC (ft) %	RQD (ft) %	SAMP. NO.	REC (ft) %	RQD (ft) %	LOG	DESCRIPTION AND REMARKS
										Continued from previous page
-106.3	105.2	5.0	0:54 0:48 0:38 0:32 0:26	(4.9) 98%	(4.0) 80%	RUN-16				LIMESTONE, boundstone, white (10YR8/1), hard, indurated, trace vugs, fossiliferous, strong HCl reaction, trace fine grained sand (Lower Fort Thompson Formation) (continued) 100.2ft: little to some shell molds and casts
-111.3	110.2	5.0	0:42 0:42 0:39 0:49 0:32	(4.4) 88%	(3.0) 60%	RUN-17				
-116.3	115.2	5.0	0:52 0:41 0:54 0:15 0:14	(1.3) 26%	(0.0) 0%	RUN-18	(0.0) 0%	(NA)		110.2ft: white (10YR8/1), to greenish gray (5GY6/1) -114.1 Silty SAND (SM), light gray (10YR7/1), dense, wet, fine grained sand, strong HCl reaction, trace shell fragments (Tamiami Formation) -116.3 Coring Terminated at Elevation -116.3

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