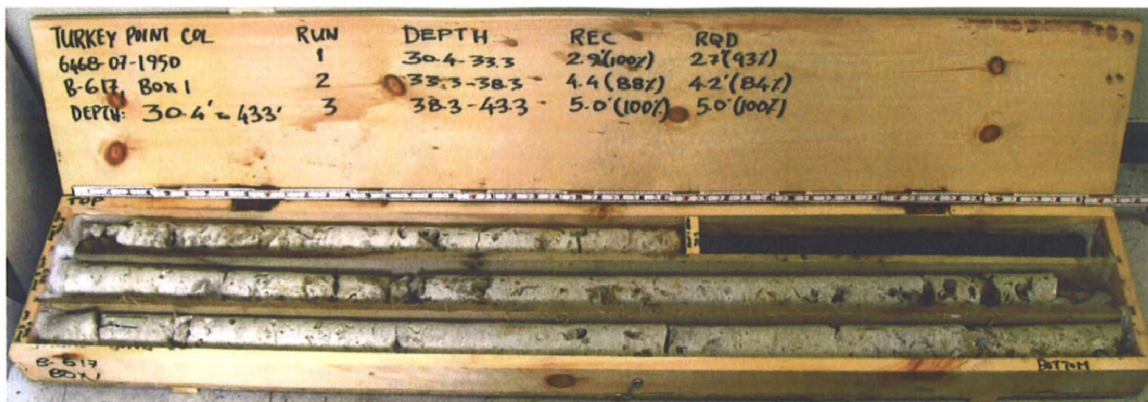
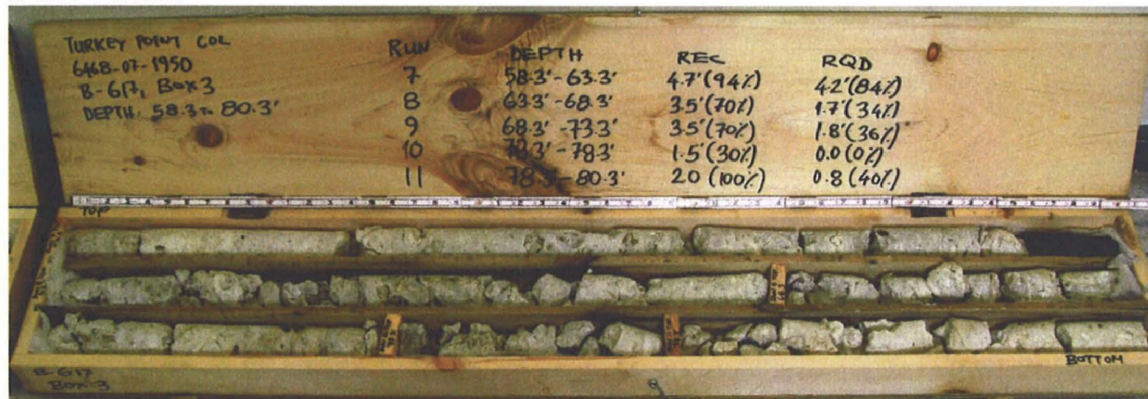




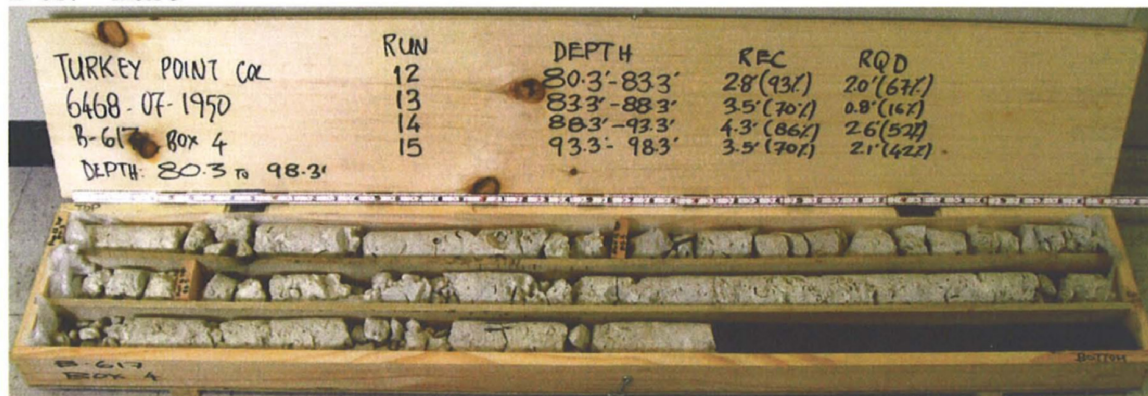
B-617 - Box 1



B-617 - Box 2



B-617 - Box 3



B-617 - Box 4



B-617 - Box 5



GEOTECHNICAL BORING LOG

Prepared By SPZ Date 8-30-08Checked By MM Date 8-29-08

SHEET 1 OF 3

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade		GEOLOGIST: O. Rodriguez					
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-45C (RAL)				DRILLER: D. White/ R. Hall				GROUND WATER (ft)			
BORING NO.: B-618				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA			
GROUND ELEV.: -1.4 ft (NAVD88)				NORTHING: 397,208 US ft (NAD83/90)				EASTING: 876,643 US ft (NAD83/90)				24 HR. NA			
TOTAL DEPTH: 154.7 ft		BORING DIAMETER: 4" to 28.8", 3" to 154.7"				CASING DEPTH: 4" to 28.8", 3" to 133.2'				HAMMER (ID):140 lb. Auto (MEC-12)					
DATE STARTED: 2/22/08		COMPLETED: 3/4/08		CORE SIZE: HQ3				BITS USED: 2 15/16" 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					
-1.4					Ground Surface										
-1.4	0.0	WOH	WOH	WOH	0						618-1	-1.4	MUCK, very dark grayish brown (2.5Y3/2), very soft, wet, trace peat	0.0	
-4.2	2.8				7						618-2	-4.4		3.0	
-6.1	4.7	3	3	4	12						618-3		Field notes do not indicate that sample 618-2 was split into separate jars		
-8.8	7.4	6	6	6	9						618-4		LIMESTONE, boundstone, white (10YR8/1), very soft, wet, few to little sand, trace organics, friable, oolitic, trace organics (Miami Formation)		
-11.4	10.0	9	5	4	23						618-5		7.4ft: trace sand		
-13.9	12.5	10	10	13	19						618-6		10.0ft: soft		
-16.2	14.8	19	10	9	36						618-7		12.5ft: very soft		
-18.2	16.8	8	7	29	13						618-8		14.8ft: medium hard, moderately indurated		
		13	8	5	4								16.8ft: very soft		
-23.4	22.0	3	2	2							618-9		22.0ft: friable		
-28.3	26.9														
-29.2	27.8	31	50/0.4								618-10	-26.4	LIMESTONE, boundstone, white (10YR8/1), to pale yellow (2.5Y8/2), hard, wet, indurated (Upper Fort Thompson Formation)	25.0	
-31.7	30.3										RUN-1		27.8ft: switch sampling method to coring		
											RUN-2		27.8ft: white (5Y8/1), to light greenish gray (5GY8/1), hard, indurated, coralline, fossiliferous, strong HCl reaction, trace to few vugs		
-36.7	35.3										RUN-3		29.0ft: loss of circulation		
											RUN-4		30.3ft: light greenish gray (5GY8/1)		
-41.7	40.3										RUN-5		35.3ft: white (5Y8/1)		
-46.7	45.3										RUN-6	-49.1	40.3ft: white (N8/), hard to moderately hard, recrystallized calcite	47.7	
											RUN-7		45.3 to 47.7ft: gray (N6/)		
-51.7	50.3										RUN-8		LIMESTONE, boundstone, white (5Y8/1), hard, indurated, fossiliferous with few shell molds and casts, trace vugs, strong HCl reaction (Lower Fort Thompson Formation)		
-56.7	55.3										RUN-9				
											RUN-10		60.3ft: indurated to friable, trace sand		
-61.7	60.3														
-66.7	65.3												65.3ft: indurated		
-67.5	66.1										RUN-11		66.1ft: moderately indurated		
-71.7	70.3												70.3ft: trace to few sand		

TURKEY POINT COL BORE 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: O. Rodriguez	
SITE DESCRIPTION: Turkey Point COL		DRILL MACHINE: CME-45C (RAL)		DRILLER: D. White/ R. Hall		GROUND WATER (ft)	
BORING NO.: B-618		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA	
GROUND ELEV.: -1.4 ft (NAVD88)		NORTHING: 397,208 US ft (NAD83/90)		EASTING: 876,643 US ft (NAD83/90)		24 HR. NA	
TOTAL DEPTH: 154.7 ft		BORING DIAMETER: 4" to 28.8', 3" to 154.7'		CASING DEPTH: 4" to 28.8', 3" to 133.2'		HAMMER (ID): 140 lb. Auto (MEC-12)	
DATE STARTED: 2/22/08		COMPLETED: 3/4/08		CORE SIZE: HQ3		BITS USED: 2 15/16" 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			
-76.2					Continued from previous page								
-76.7	75.3										RUN-12		LIMESTONE, boundstone, white (5Y8/1), hard, indurated, fossiliferous with few shell molds and casts, trace vugs, strong HCl reaction (Lower Fort Thompson Formation) (continued) 75.3ft: indurated 80.3ft: moderately indurated to indurated, little shell molds and casts
-80.5	79.1										RUN-13		
-81.7	80.3										RUN-14		
-86.7	85.3											RUN-15	
-91.7	90.3											RUN-16	
-96.7	95.3											RUN-17	95.3ft: indurated, few to little shell molds and casts
-101.7	100.3											RUN-18	100.3ft: hard to moderately hard, moderately indurated, little to some shell molds and casts
-106.7	105.3											RUN-19	
-111.7	110.3											RUN-20	110.3ft: moderately hard, friable to moderately indurated
-116.7	115.3											RUN-21	115.3ft: moderately indurated
-124.6	123.2	3	3	4								618-11	116.0ft: Silty SAND (SM), light gray (2.5Y7/2), loose, wet, trace limestone fragments (Tamiami Formation) 123.2ft: Switch sampling method to SPT
-129.6	128.2	2	4	5								618-12	128.2ft: greenish gray (10Y6/1), friable to moderately indurated cemented sand fragments
-134.6	133.2	3	6	3								618-13	
-139.6	138.2	6	10	9								618-14	138.2ft: medium dense
-144.6	143.2	4	9	12								618-15	
-149.6	148.2	4	5	10								618-16	

TURKEY POINT COL BORE, TURKEY POINT COL GDT 5/3/08

BECHTEL PROJECT NO.: 25409					MACTEC PROJECT NO.: 6468-07-1950					COUNTY: Miami-Dade					GEOLOGIST: O. Rodriguez				
SITE DESCRIPTION: Turkey Point COL					DRILL MACHINE: CME-45C (RAL)					DRILLER: D. White/ R. Hall					GROUND WATER (ft)				
BORING NO.: B-618					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core					0 HR. NA				
GROUND ELEV.: -1.4 ft (NAVD88)					NORTHING: 397,208 US ft (NAD83/90)					EASTING: 876,643 US ft (NAD83/90)					24 HR. NA				
TOTAL DEPTH: 154.7 ft					BORING DIAMETER: 4" to 28.8', 3" to 154.7'					CASING DEPTH: 4" to 28.8', 3" to 133.2'					HAMMER (ID): 140 lb. Auto (MEC-12)				
DATE STARTED: 2/22/08					COMPLETED: 3/4/08					CORE SIZE: HQ3					BITS USED: 2 15/16" Tricone				
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT						SAMP. NO.	LOG MOI	L O G	SOIL AND ROCK DESCRIPTION					
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100									
-151.0					Continued from previous page														
-154.6	153.2										618-17			116.0ft: Silty SAND (SM), light gray (2.5Y7/2), loose, wet, trace limestone fragments (Tamiami Formation) (continued)					
		4	6	9										153.2ft: trace shell fragments					
														Boring Terminated at Elevation -156.1 ft					

TURKEY POINT COLBORE TURKEY POINT GPJ TURKEY POINT COLGDT 5/30/08



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-45C (RAL)	DRILLER: D. White/ R. Hall	GROUND WATER (ft)
BORING NO.: B-618	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.4 ft (NAVD88)	NORTHING: 397,208 US ft (NAD83/90)	EASTING: 876,643 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 154.7 ft	CASING DEPTH: 4" to 28.8', 3" to 133.2'	HAMMER (ID): 140 lb. Auto (MEC-12)	
DATE STARTED: 2/22/08	COMPLETED: 3/4/08	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 @ 27.8 ft
-29.2	27.8	2.5	0:55	(1.7)	(0.7)	RUN-1	(18.1)	(15.0)		LIMESTONE, boundstone, white (10YR8/1), to pale yellow (2.5Y8/2), hard, wet, indurated (Upper Fort Thompson Formation)
-31.7	30.3		3:06	68%	28%		91%	75%		27.8ft: switch sampling method to coring (<i>continued</i>)
		5.0	2:00/0.5	(4.1)	(3.4)	RUN-2				27.8ft: white (5Y8/1), to light greenish gray (5GY8/1), hard, indurated, coralline, fossiliferous, strong HCl reaction, trace to few vugs
			2:18	82%	68%					29.0ft: loss of circulation
			1:17							30.3ft: light greenish gray (5GY8/1)
			1:20							35.3ft: white (5Y8/1)
			1:11							
-36.7	35.3		1:32							
		5.0	1:36	(5.0)	(4.0)	RUN-3				
			2:01	100%	80%					
			3:05							
			2:15							
-41.7	40.3		1:55							
		5.0	2:35	(4.9)	(4.5)	RUN-4				40.3ft: white (N8/), hard to moderately hard, recrystallized calcite
			1:51	98%	90%					
			1:41							
			1:17							
-46.7	45.3		1:09							
		5.0	2:27	(5.0)	(5.0)	RUN-5				45.3 to 47.7ft: gray (N6/)
			1:46	100%	100%					
			1:57							
			1:47							
			1:41				(49.2)	(28.4)		
-51.7	50.3		1:49	(5.0)	(5.0)	RUN-6	72%	42%		LIMESTONE, boundstone, white (5Y8/1), hard, indurated, fossiliferous with few shell molds and casts, trace vugs, strong HCl reaction (Lower Fort Thompson Formation)
		5.0	2:11	100%	100%					
			1:20							
			1:09							
			0:45							
-56.7	55.3		1:28	(4.7)	(4.0)	RUN-7				
		5.0	1:44	94%	80%					
			1:18							
			1:47							
			1:32							
-61.7	60.3		1:29	(3.8)	(2.3)	RUN-8				60.3ft: indurated to friable, trace sand
		5.0	1:42	76%	46%					
			1:41							
			1:32							
			1:48							
-66.7	65.3		2:35/0.8	(0.6)	(0.0)	RUN-9				65.3ft: indurated
		0.8	1:30/0.2	75%	0%	RUN-10				66.1ft: moderately indurated
		4.2	2:35	(2.5)	(0.9)					
			2:14	60%	21%					
			1:25							
			1:20							
-71.7	70.3		0:57	(2.3)	(0.4)	RUN-11				70.3ft: trace to few sand
		5.0	1:12	46%	8%					
			1:03							
			1:05							
			0:57							
-76.7	75.3		1:13	(3.3)	(1.6)	RUN-12				75.3ft: indurated
		3.8	1:26	87%	42%					
			1:55							
			1:49/0.8							
-80.5	79.1		1:41/0.2	(1.2)	(1.1)	RUN-13				
		1.2	3:41	100%	92%	RUN-14				80.3ft: moderately indurated to indurated, little shell molds and casts
		5.0	1:33	(3.0)	(2.2)					
			0:48	60%	44%					
			0:46							
			0:34							
			1:05							
-86.7	85.3		1:06	(2.7)	(0.6)	RUN-15				
		5.0	1:19	54%	12%					
			1:33							
			0:49							
			0:43							
-91.7	90.3		0:58	(4.1)	(2.1)	RUN-16				
		5.0	0:46	82%	42%					
			0:47							
			1:23							
			0:53							
-96.7	95.3		0:57	(4.0)	(2.3)	RUN-17				95.3ft: indurated, few to little shell molds and casts
		5.0	0:36	80%	46%					
			0:39							
			0:44							
			0:49							
-101.7	100.3		1:10	(4.2)	(2.2)	RUN-18				100.3ft: hard to moderately hard, moderately indurated, little to some shell molds and casts
		5.0	1:18	84%	44%					

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

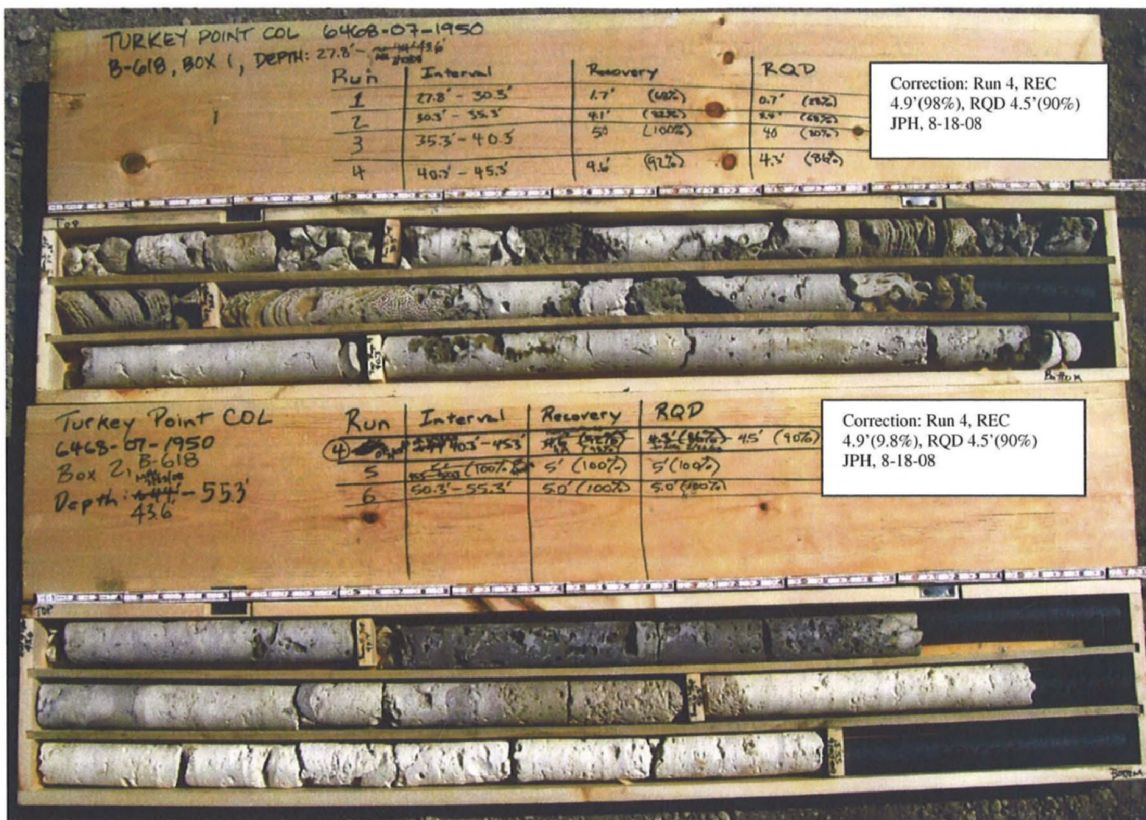


SHEET 2 OF 2

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: O. Rodriguez
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-45C (RAL)	DRILLER: D. White/ R. Hall	GROUND WATER (ft)
BORING NO.: B-618	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.4 ft (NAVD88)	NORTHING: 397,208 US ft (NAD83/90)	EASTING: 876,643 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 154.7 ft	CASING DEPTH: 4" to 28.8', 3" to 133.2'	HAMMER (ID): 140 lb. Auto (MEC-12)	
DATE STARTED: 2/22/08	COMPLETED: 3/4/08	CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

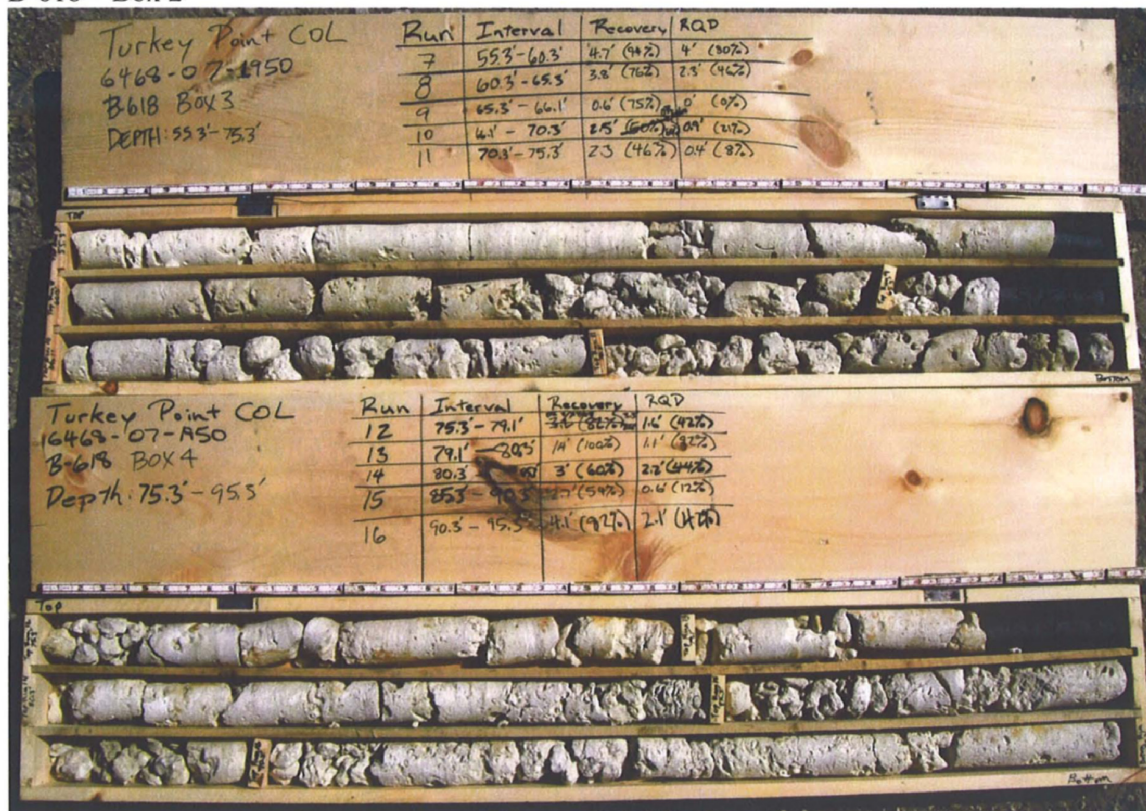
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		L O G	DESCRIPTION AND REMARKS
				REC (ft) %	RQD (ft) %		REC (ft) %	RQD (ft) %		
										Continued from previous page
-106.7	105.3		0:33 1:22 2:28							LIMESTONE, boundstone, white (5Y8/1), hard, indurated, fossiliferous with few shell molds and casts, trace vugs, strong HCl reaction (Lower Fort Thompson Formation) (continued)
		5.0	1:26 1:24 0:47 1:24 2:10	(3.0) 60%	(0.7) 14%	RUN-19				
-111.7	110.3									
		5.0	0:44 1:11 0:30 1:02 0:43	(1.9) 38%	(0.4) 8%	RUN-20				110.3ft: moderately hard, friable to moderately indurated
-116.7	115.3									
		5.0	0:17 0:14 0:55 0:55 0:19	(0.3) 6%	(0.0) 0%	RUN-21	(0.0) 0%	(NA)		115.3ft: moderately indurated 116.0ft: Silty SAND (SM), light gray (2.5Y7/2), loose, wet, trace limestone fragments (Tamiami Formation)
-121.7	120.3									116.0 120.3
										Coring Terminated at Elevation -121.7

TURKEY POINT COL CORE TURKEY POINT GPJ TURKEY POINT COL GDT 5/20/08



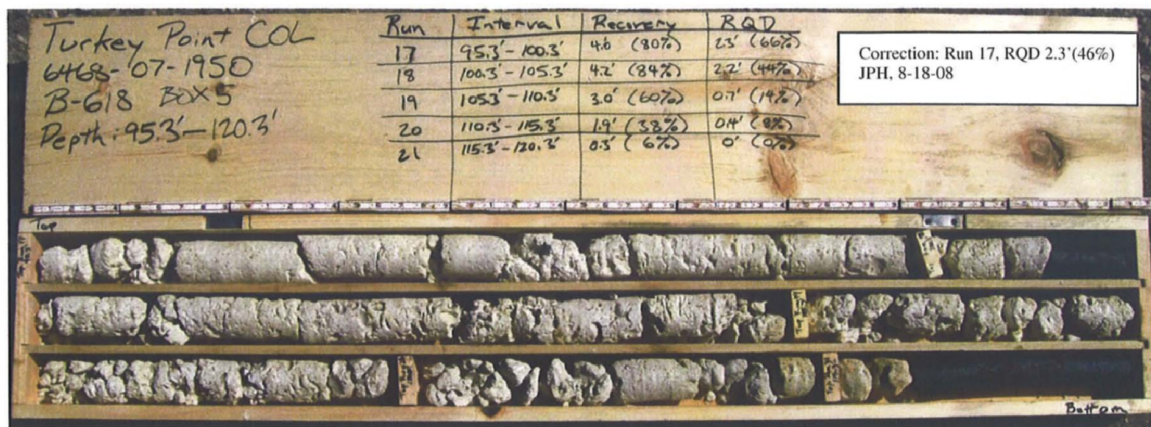
B-618 - Box 1

B-618 - Box 2



B-618 - Box 3

B-618 - Box 4



B-618 - Box 5

GEOTECHNICAL BORING LOG

Prepared By JME Date 8-19-08
Checked By SS Date 8/19/08

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-45C (RAL)					DRILLER: D. Rhodes/ K. Guy					GROUND WATER (ft)				
BORING NO.: B-619					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core					0 HR. NA				
GROUND ELEV.: -1.7 ft (NAVD88)					NORTHING: 397,294 US ft (NAD83/90)					EASTING: 876,654 US ft (NAD83/90)					24 HR. NA				
TOTAL DEPTH: 128.7 ft					BORING DIAMETER: 4" to 13.6', 3" to 128.7'					CASING DEPTH: 4" to 13.6', 3" to 118.2'					HAMMER (ID):140 lb. Auto (MEC-12)				
DATE STARTED: 3/6/08					COMPLETED: 3/9/08					CORE SIZE: HQ3					BITS USED: 2 15/16" Roller Cone				
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.						
-1.7					Ground Surface														
-1.7	0.0	WOH	WOH	WOH	●0						619-1	-1.7	MUCK, very dark grayish brown (2.5Y3/2), very soft, wet, mostly organic	0.0					
-4.5	2.8										619-2								
-6.8	5.1	WOH	5	9	●14						619-3	-5.2	LIMESTONE, boundstone, gray (N6/), very soft, wet, friable, trace to few coarse to fine grained sand, oolitic (Miami Formation)	3.5					
-8.8	7.1	4	20	12	●32						619-4		5.1ft: light gray (N7/), medium hard						
		10	6	3	●9						619-5		7.1ft: white (2.5Y8/1), very soft						
-11.4	9.7	6	10	12	●22						619-6		9.7ft: soft						
-13.8	12.1	11	14	10	●24						619-7								
-16.4	14.7	15	10	50/0.5						60/1.0 ●	619-7		14.7ft: hard						
-17.9	16.2										RUN-1		16.2ft: Switch sampling method to coring						
-18.4	16.7										RUN-2		16.2ft: (2.5Y8/1), moderately hard, indurated, oolitic, strong HCl reaction						
											RUN-3		16.7ft: soft to moderately hard, friable to indurated, fossiliferous, few vugs						
-23.4	21.7											-26.7	LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, fossiliferous, coralline, strong HCl reaction, few vugs (Upper Fort Thompson Formation)	25.0					
-28.4	26.7										RUN-4								
											619-CS-01		25.0 to 30.0ft: loss of circulation						
-33.4	31.7										RUN-5								
-38.4	36.7										RUN-6								
-43.4	41.7										RUN-7		41.7ft: white (2.5Y8/1), to 45.7ft then bluish gray (5PB5/1)						
-48.4	46.7										RUN-8								
											619-CS-02	-49.9	46.7 to 48.2ft: bluish gray (5PB6/1)	48.2					
-53.4	51.7										RUN-9		LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, fossiliferous, few shell molds and casts, strong HCl reaction, few vugs (Lower Fort Thompson Formation)						
											RUN-10		51.7ft: trace sand and shell molds						
-58.4	56.7										RUN-11								
-63.4	61.7										RUN-12								
-68.4	66.7										RUN-13								
-73.4	71.7												71.7ft: few shell molds						



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-45C (RAL)			DRILLER: D. Rhodes/ K. Guy			GROUND WATER (ft)				
BORING NO.: B-619			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA				
GROUND ELEV.: -1.7 ft (NAVD88)			NORTHING: 397,294 US ft (NAD83/90)			EASTING: 876,654 US ft (NAD83/90)			24 HR. NA				
TOTAL DEPTH: 128.7 ft			BORING DIAMETER: 4" to 13.6', 3" to 128.7'			CASING DEPTH: 4" to 13.6', 3" to 118.2'			HAMMER (ID): 140 lb. Auto (MEC-12)				
DATE STARTED: 3/6/08			COMPLETED: 3/9/08			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			
-76.5					Continued from previous page								
-78.4	76.7										RUN-14		LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, fossiliferous, few shell molds and casts, strong HCl reaction, few vugs (Lower Fort Thompson Formation) (continued) 76.7ft: trace to few shell molds, trace to few sand, few vugs
-83.3	81.6										RUN-15		
-88.3	86.6										RUN-16		86.6ft: moderately hard to hard, moderately indurated to indurated
-93.3	91.6										RUN-17		91.6ft: hard, indurated
-98.3	96.6										RUN-18		96.6ft: moderately hard to hard, moderately indurated to indurated
-103.3	101.6										RUN-19		101.6ft: trace sand, little shell molds and casts
-108.3	106.6										RUN-20		106.6ft: indurated to moderately indurated, few sand, few shell molds and casts, few to little vugs
-113.3	111.6										RUN-21		111.6ft: moderately hard, moderately indurated, few to little sand
-118.3	116.6										RUN-22		116.7ft: Silty SAND (SM), white (2.5Y8/1), wet, and moderately hard, fine to coarse grained sand, fine gravel sized moderately indurated limestone/cemented sand fragments (Tamiami Formation)
-123.3	121.6	8	4	3							619-8		121.6ft: Switch sampling methods to SPT 121.6ft: pale yellow (2.5Y8/3), loose, wet, little fines, fine grained sand, trace shell fragments
-128.9	127.2	3	8	8							619-9		127.2ft: trace cemented sand fragments, shell fragments Boring Terminated at Elevation -130.4 ft

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



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-45C (RAL)	DRILLER: D. Rhodes/ K. Guy	GROUND WATER (ft)
BORING NO.: B-619	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.7 ft (NAVD88)	NORTHING: 397,294 US ft (NAD83/90)	EASTING: 876,654 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 128.7 ft	CASING DEPTH: 4" to 13.6', 3" to 118.2'	HAMMER (ID): 140 lb. Auto (MEC-12)	
DATE STARTED: 3/6/08	COMPLETED: 3/9/08	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.	STRATA REC (ft) %	RQD (ft) %	L O G	DESCRIPTION AND REMARKS
										Begin Coring @ 16.2 ft
-17.9	16.2	0.5	5:22/0.5	(0.5)	(0.4)	RUN-1	(1.5)	(0.4)		LIMESTONE, boundstone, gray (N6/), very soft, wet, friable, trace to few coarse to fine grained sand, oolitic (Miami Formation) (continued)
-18.4	16.7	5.0	0.44 0.55 1.18 0.45 0.50	100% (1.0) 20%	80% (0.0) 0%	RUN-2	17%	5%		16.2ft: (2.5Y8/1), moderately hard, indurated, oolitic, strong HCl reaction
-23.4	21.7	5.0	0.24 0.34 0.28 2.28 0.58	(1.7) 34%	(0.7) 14%	RUN-3				16.7ft: soft to moderately hard, friable to indurated, fossiliferous, few vugs
-28.4	26.7	5.0	1.47 1.25 0.50 0.51 1.34	(5.0) 100%	(4.5) 90%	RUN-4 619-CS-01	(22.8) 98%	(18.2) 78%		-26.7 25.0 LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, fossiliferous, coralline, strong HCl reaction, few vugs (Upper Fort Thompson Formation) 25.0 to 30.0ft: loss of circulation
-33.4	31.7	5.0	1.37 1.00 0.51 0.48 0.48	(5.0) 100%	(3.5) 70%	RUN-5				
-38.4	36.7	5.0	1.06 0.53 1.03 1.59 2.09	(5.0) 100%	(3.8) 76%	RUN-6				
-43.4	41.7	5.0	1.56 0.20 1.59 1.38 1.13	(4.6) 92%	(4.2) 84%	RUN-7				41.7ft: white (2.5Y8/1), to 45.7ft then bluish gray (5PB5/1)
-48.4	46.7	5.0	1.38 0.50 1.01 1.09 0.59	(5.0) 100%	(5.0) 100%	RUN-8 619-CS-02	(40.9) 61%	(19.5) 29%		-49.9 48.2 46.7 to 48.2ft: bluish gray (5PB6/1) LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, fossiliferous, few shell molds and casts, strong HCl reaction, few vugs (Lower Fort Thompson Formation) 51.7ft: trace sand and shell molds
-53.4	51.7	5.0	0.47 0.42 0.29 0.33 0.20	(3.0) 60%	(1.8) 36%	RUN-9				
-58.4	56.7	5.0	1.00 1.00 0.59 1.04 0.57	(3.6) 72%	(2.3) 46%	RUN-10				
-63.4	61.7	5.0	1.20 0.50 0.54 0.30 0.26	(1.9) 38%	(0.0) 0%	RUN-11				
-68.4	66.7	5.0	1.06 0.38 0.41 0.08 1.23	(2.8) 56%	(1.6) 32%	RUN-12				
-73.4	71.7	5.0	1.32 1.25 1.16 0.39 0.54	(3.2) 64%	(1.3) 26%	RUN-13				71.7ft: few shell molds
-78.4	76.7	4.9	1.23 1.14 1.03 1.17 1.16/0.9	(3.7) 76%	(1.5) 31%	RUN-14				76.7ft: trace to few shell molds, trace to few sand, few vugs
-83.3	81.6	5.0	1.10 0.46 0.56 0.32 0.34	(3.3) 66%	(1.2) 24%	RUN-15				
-88.3	86.6	5.0	0.41 0.45 1.01 2.08	(1.5) 30%	(0.0) 0%	RUN-16				86.6ft: moderately hard to hard, moderately indurated to indurated

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: O. Rodriguez
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-45C (RAL)	DRILLER: D. Rhodes/ K. Guy	GROUND WATER (ft)
BORING NO.: B-619	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.7 ft (NAVD88)	NORTHING: 397,294 US ft (NAD83/90)	EASTING: 876,654 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 128.7 ft	CASING DEPTH: 4" to 13.6', 3" to 118.2'	HAMMER (ID): 140 lb. Auto (MEC-12)	
DATE STARTED: 3/6/08	COMPLETED: 3/9/08	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
-93.3	91.6	5.0	1.21 1.51 2.14 0.50 1.40 1.20	(2.8) 56%	(2.0) 40%	RUN-17				LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, fossiliferous, few shell molds and casts, strong HCl reaction, few vugs (Lower Fort Thompson Formation) (continued) 91.6ft: hard, indurated
-98.3	96.6	5.0	1.52 0.47 0.44 0.42 2.50 1.80	(2.1) 42%	(1.3) 26%	RUN-18				96.6ft: moderately hard to hard, moderately indurated to indurated
-103.3	101.6	5.0	1.00 1.12 0.52 0.47 2.14	(4.2) 84%	(1.9) 38%	RUN-19				101.6ft: trace sand, little shell molds and casts
-108.3	106.6	5.0	0.56 0.59 1.02 1.10 2.31	(3.3) 66%	(1.1) 22%	RUN-20				106.6ft: indurated to moderately indurated, few sand, few shell molds and casts, few to little vugs
-113.3	111.6	5.0	1.09 1.27 1.57 1.53 1.01	(2.0) 40%	(0.0) 0%	RUN-21				111.6ft: moderately hard, moderately indurated, few to little sand
-118.3	116.6	5.0	0.49 0.26 0.32 0.46 1.14	(1.2) 24%	(0.0) 0%	RUN-22	(1.2) 18%	(NA)	-116.7	Silty SAND (SM), white (2.5Y8/1), wet, and moderately hard, fine to coarse grained sand, fine gravel sized moderately indurated limestone/cemented sand fragments (Tamiami Formation)
-123.3	121.6								-123.3	121.6 Coring Terminated at Elevation -123.3

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



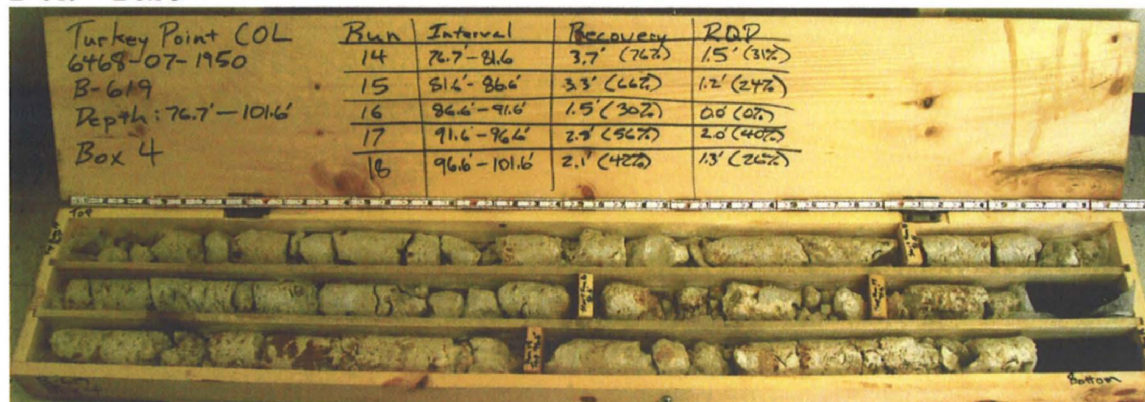
B-619 - Box 1



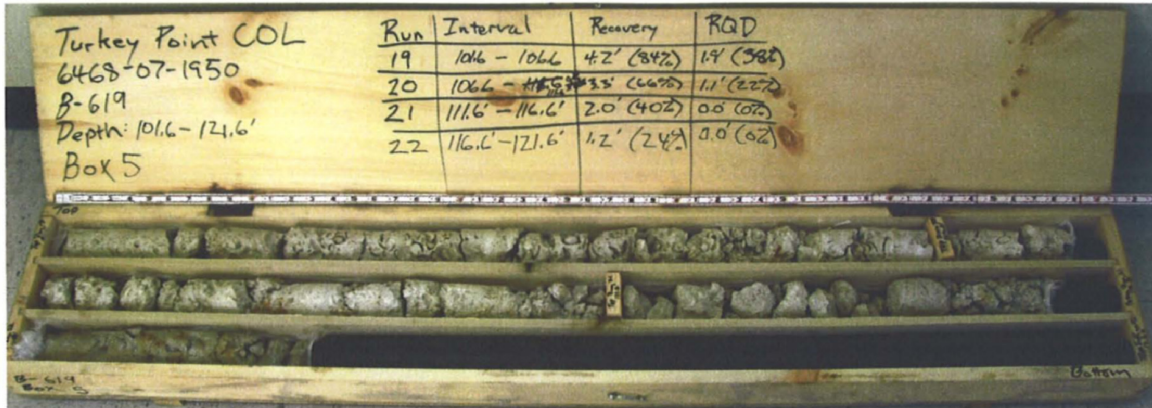
B-619 - Box 2



B-619 - Box 3



B-619 - Box 4



B-619 - Box 5