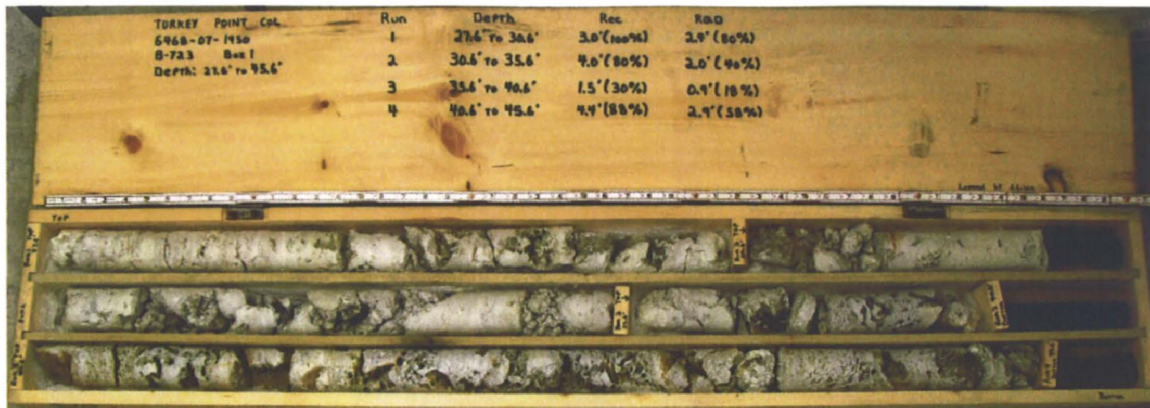
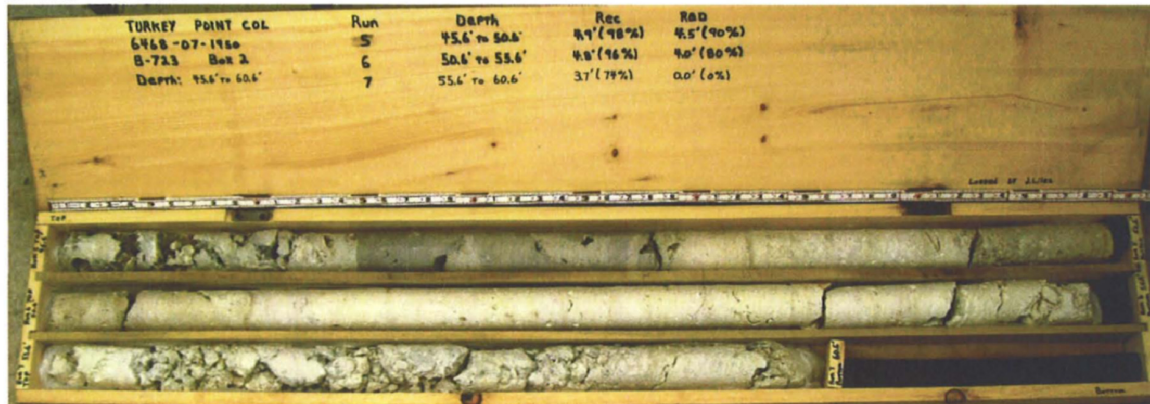
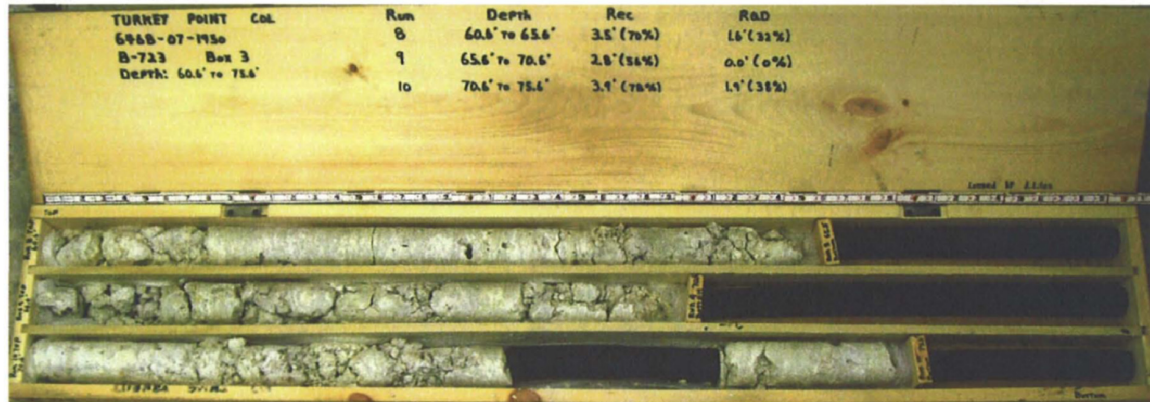




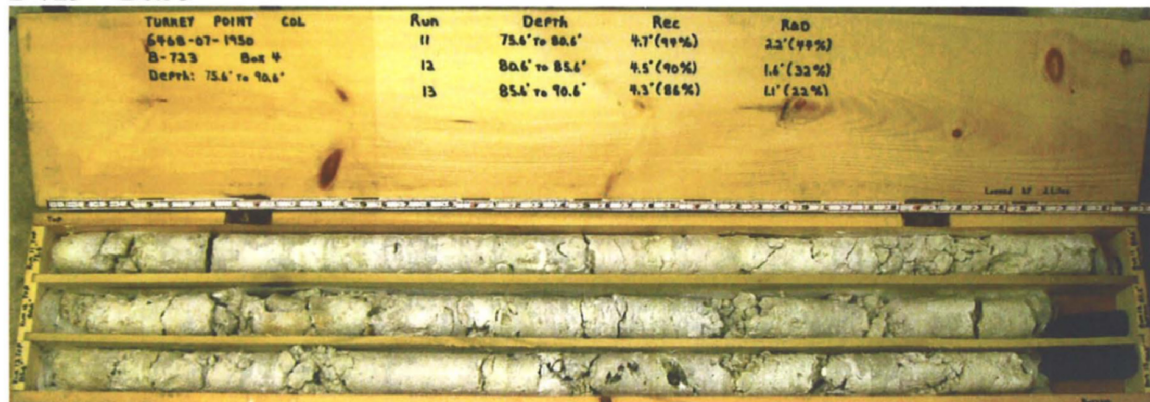
B-723 - Box 1



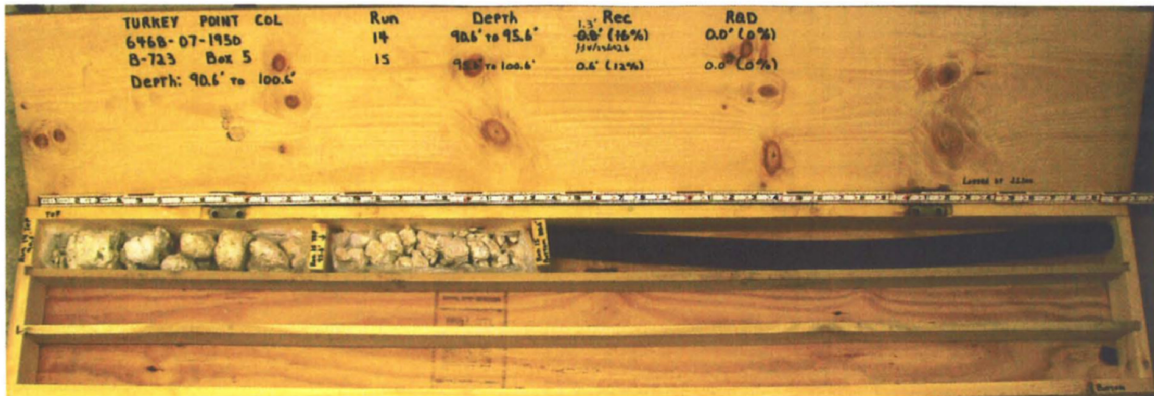
B-723 - Box 2



B-723 - Box 3



B-723 - Box 4



B-723 - Box 5



GEOTECHNICAL BORING LOG

Prepared By 222 Date 5-30-08Checked By JM Date 5-30-08

SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409		MACTEC PROJECT NO.: 6468-07-1950		COUNTY: Miami-Dade		GEOLOGIST: J. Liles								
SITE DESCRIPTION: Turkey Pont COL		DRILL MACHINE: CME-550 (Miller)		DRILLER: R. White/ J. Dugger/ C. White		GROUND WATER (ft)								
BORING NO.: B-724		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA								
GROUND ELEV.: -0.7 ft (NAVD88)		NORTHING: 397,326 US ft (NAD83/90)		EASTING: 875,663 US ft (NAD83/90)		24 HR. NA								
TOTAL DEPTH: 100.0 ft		BORING DIAMETER: 4" to 30.2', 3" to 100.0'		CASING DEPTH: 4" to 30.2'		HAMMER (ID): 140 lb. Auto (M06)								
DATE STARTED: 4/19/08		COMPLETED: 4/20/08		CORE SIZE: HQ3		BITS USED: 2 7/8" 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	MOI			
-0.7					Ground Surface							-0.7	0.0	
-0.7	0.0	WOH	WOH	WOH										MUCK, very dark grayish brown (2.5Y3/2), very soft, wet, strong HCl reaction, mostly organic
-3.3	2.6	WOH	WOH	WOH										
-5.8	5.1													
-8.2	7.5	6	9	6										LIMESTONE, boundstone, white (2.5Y8/1), very soft, wet, little fine grained sand, strong HCl reaction, oolitic (Miami Formation) 7.5ft: soft
-10.8	10.1	2	14	8										10.1ft: very soft, few fine sand
-13.1	12.4	4	7	7										12.4ft: medium hard
-15.7	15.0	8	16	19										
		8	11	27										
-22.2	21.5													
		5	5	6										21.5ft: very soft
-27.0	26.3	7	18	17										
-32.0	31.3													LIMESTONE, boundstone, white (2.5Y8/1), medium hard, wet, few fine grained sand, strong HCl reaction (Upper Fort Thompson Formation)
-32.7	32.0	26	50/0.2											31.2ft: hard
														32.0ft: Switch sampling method to coring
-36.7	36.0													32.0ft: indurated, few vugs, coralline, recrystallized calcite
-41.7	41.0													41.0ft: trace vugs
														42.0 to 44.0ft: soft zone
-46.7	46.0													
														46.0 to 49.0ft: gray (10YR6/1)
-51.7	51.0													
														LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, trace recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation)
-56.7	56.0													56.0ft: fossiliferous, trace shell molds
-61.7	61.0													61.0ft: medium hard to hard, friable to indurated
-66.7	66.0													66.0ft: moderately hard, moderately indurated, trace fine grained sand
-71.7	71.0													71.0ft: hard, indurated

TURKEY POINT COL BORE 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: J. Liles						
SITE DESCRIPTION: Turkey Pont COL			DRILL MACHINE: CME-550 (Miller)			DRILLER: R. White/ J. Dugger/ C. White			GROUND WATER (ft)						
BORING NO.: B-724			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA						
GROUND ELEV.: -0.7 ft (NAVD88)			NORTHING: 397,326 US ft (NAD83/90)			EASTING: 875,663 US ft (NAD83/90)			24 HR. NA						
TOTAL DEPTH: 100.0 ft			BORING DIAMETER: 4" to 30.2', 3" to 100.0'			CASING DEPTH: 4" to 30.2'			HAMMER (ID): 140 lb. Auto (M06)						
DATE STARTED: 4/19/08			COMPLETED: 4/20/08			CORE SIZE: HQ3			BITS USED: 2 7/8" Roller Cone						
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					
-75.5					Continued from previous page										
-76.7	76.0										RUN-10		LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, trace recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation) (continued) 76.0ft: medium hard to hard, friable to indurated 86.0ft: hard, indurated 91.0ft: trace shell molds and casts 96.0ft: moderately hard to hard, friable to indurated		
-81.7	81.0										RUN-11				
-86.7	86.0										RUN-12				
-91.7	91.0										RUN-13				
-96.7	96.0										RUN-14				
													-100.7	100.0	Boring Terminated at Elevation -100.7 ft

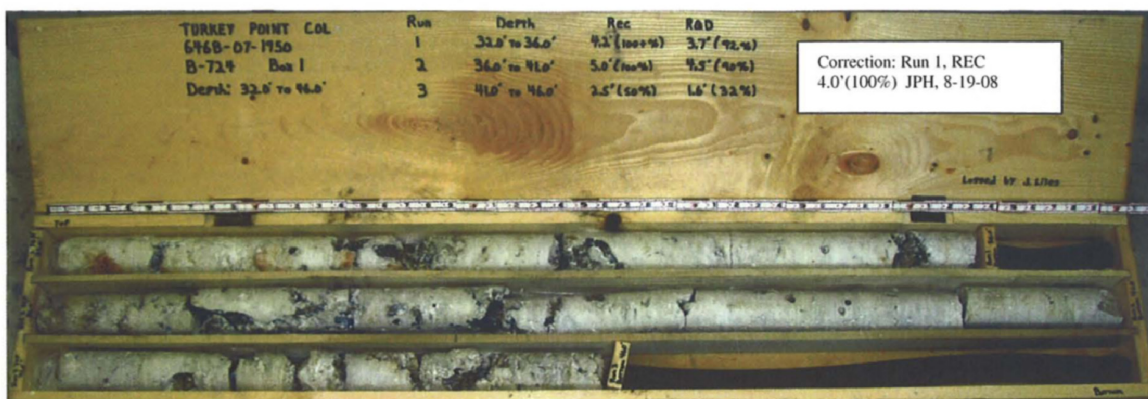
TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL.GDT 5/30/08



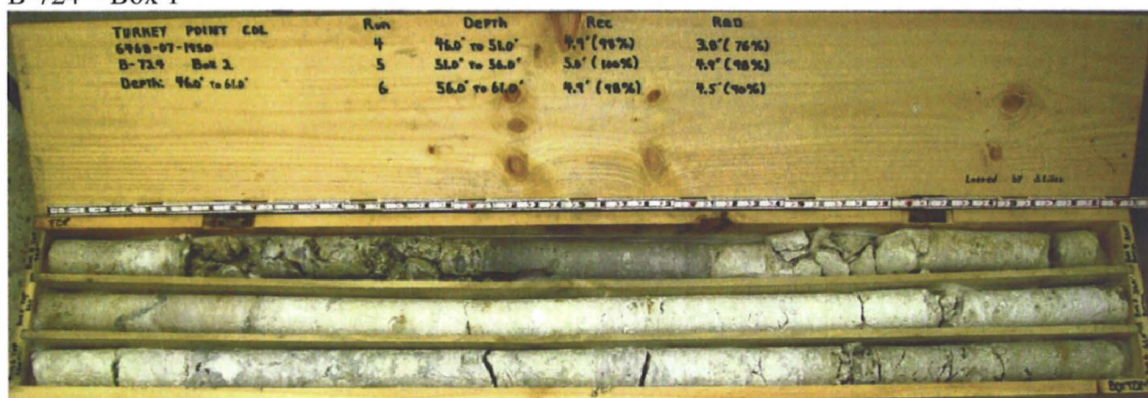
SHEET 1 OF 1

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade		GEOLOGIST: J. Liles			
SITE DESCRIPTION: Turkey Pont COL				DRILL MACHINE: CME-550 (Miller)				DRILLER: R. White/ J. Dugger/ C. White				GROUND WATER (ft)	
BORING NO.: B-724				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -0.7 ft (NAVD88)				NORTHING: 397,326 US ft (NAD83/90)				EASTING: 875,663 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 100.0 ft				CASING DEPTH: 4" to 30.2'						HAMMER (ID): 140 lb. Auto (M06)			
DATE STARTED: 4/19/08		COMPLETED: 4/20/08		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 @ 32.0 ft	
-32.7	32.0	4.0	1:08 1:00 1:32 1:38	(4.0) 100%	(3.7) 93%	RUN-1	(14.7) 86%	(12.5) 74%				LIMESTONE, boundstone, white (2.5Y8/1), medium hard, wet, few fine grained sand, strong HCl reaction (Upper Fort Thompson Formation) (continued) 32.0ft: indurated, few vugs, coralline, recrystallized calcite	
-36.7	36.0												
		5.0	1:12 1:08 1:18 1:40 2:01	(5.0) 100%	(4.5) 90%	RUN-2							
-41.7	41.0												
		5.0	1:59 0:11 0:05 1:17 1:02	(2.5) 50%	(1.6) 32%	RUN-3						41.0ft: trace vugs 42.0 to 44.0ft: soft zone	
-46.7	46.0												
		5.0	1:21 2:25 2:45 2:24 7:45	(4.9) 98%	(3.8) 76%	RUN-4						46.0 to 49.0ft: gray (10YR6/1)	
-51.7	51.0						(37.3) 73%	(22.3) 44%				LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, trace recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation)	
		5.0	2:24 2:07 1:59 1:47 1:40	(5.0) 100%	(4.9) 98%	RUN-5							
-56.7	56.0												
		5.0	1:58 1:21 1:11 1:30 0:52	(4.9) 98%	(4.5) 90%	RUN-6						56.0ft: fossiliferous, trace shell molds	
-61.7	61.0												
		5.0	1:22 1:35 0:56 0:36 0:26	(3.4) 68%	(2.0) 40%	RUN-7						61.0ft: medium hard to hard, friable to indurated	
-66.7	66.0												
		5.0	0:22 2:25 0:39 0:41 1:39	(1.7) 34%	(0.0) 0%	RUN-8						66.0ft: moderately hard, moderately indurated, trace fine grained sand	
-71.7	71.0												
		5.0	1:36 0:29 0:21 0:29 0:51	(3.0) 60%	(1.2) 24%	RUN-9						71.0ft: hard, indurated	
-76.7	76.0												
		5.0	0:49 1:05 1:33 1:49 1:23	(3.7) 74%	(0.0) 0%	RUN-10						76.0ft: medium hard to hard, friable to indurated	
-81.7	81.0												
		5.0	0:42 0:29 1:18 0:44 0:20	(3.0) 60%	(0.8) 16%	RUN-11						81.0ft: medium hard to hard, friable to indurated	
-86.7	86.0												
		5.0	1:07 1:23 1:21 1:26 0:30	(4.1) 82%	(3.8) 76%	RUN-12						86.0ft: hard, indurated	
-91.7	91.0												
		5.0	0:46 1:11 0:58 0:30 0:31	(4.0) 80%	(2.8) 56%	RUN-13						91.0ft: trace shell molds and casts	
-96.7	96.0												
		4.0	1:09 0:42 0:36 0:57	(2.6) 65%	(1.2) 30%	RUN-14						96.0ft: moderately hard to hard, friable to indurated	
-100.7	100.0											Coring Terminated at Elevation -100.7	

TURKEY POINT COL CORE TURKEY POINT GPJ TURKEY POINT COL GDT 530 08



B-724 – Box 1



B-724 – Box 2



B-724 – Box 3



B-724 – Box 4



GEOTECHNICAL BORING LOG

Prepared By Date 5-20-08Checked By Date 5-26-08

SHEET 1 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/ C. White					GROUND WATER (ft)		
BORING NO.: B-725					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core					0 HR. NA		
GROUND ELEV.: -1.0 ft (NAVD88)					NORTHING: 397,100 US ft (NAD83/90)					EASTING: 876,111 US ft (NAD83/90)					24 HR. NA		
TOTAL DEPTH: 126.6 ft			BORING DIAMETER: 4" to 30.0', 3" to 126.6'					CASING DEPTH: 4" to 30.0', 3" to 120.0'					HAMMER (ID):140 lb. Auto (M06)				
DATE STARTED: 4/1/08			COMPLETED: 4/2/08			CORE SIZE: HQ3			BITS USED: 2 7/8" Roller Cone								
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							
-1.0					Ground Surface									-1.0	0.0		
-1.0	0.0	WOH	WOH	WOH	0										MUCK, dark grayish brown (2.5Y4/2), very soft, wet, strong HCl reaction, mostly organic, fibrous		
-3.7	2.7																
-6.0	5.0	WOH	4	12											-4.5	3.5	
		6	8	6												LIMESTONE, boundstone, white (2.5Y8/1), very soft, wet, little fine grained sand, strong HCl reaction, oolitic (Miami Formation)	
-9.5	8.5																
-11.5	10.5	4	5	4												8.5ft: trace sand	
-13.5	12.5	6	4	8													
-16.2	15.2	14	18	19												12.5: medium hard, fine to medium grained sand	
		12	4	5												15.2ft: very soft, no sand	
-22.8	21.8																
		6	8	15												21.8ft: soft	
-27.6	26.6															-26.0	25.0
		1	1	2													LIMESTONE, boundstone, white (2.5Y8/1), very soft, wet, strong HCl reaction (Upper Fort Thompson Formation)
-32.3	31.3																
-33.1	32.1	40	50/0.3														31.3ft: hard
-36.1	35.1																32.1ft: Switch sampling method to coring
-41.1	40.1																
-42.0	41.0	12	50/0.4														40.1ft: Switch sampling method to SPT
																	40.1ft: boundstone, white (2.5Y8/1), hard, wet, strong HCl reaction
-47.0	46.0																41.0ft: Switch sampling method to coring
																	41.0ft: white (2.5Y8/1), moderately hard, moderately indurated, recrystallized calcite, strong HCl reaction, little vugs
-52.0	51.0																46.0ft: white (2.5Y8/1) to 46.9ft, then gray (10Y6/1) to 47.8ft
																	LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, trace recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation)
-57.0	56.0																51.0ft: moderately hard, moderately indurated, fossiliferous, trace vugs
-62.0	61.0																
-67.0	66.0																
-72.0	71.0																68.0 to 71.0ft: soft zone

TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL GDT 53008



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/ C. White			GROUND WATER (ft)				
BORING NO.: B-725			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA				
GROUND ELEV.: -1.0 ft (NAVD88)			NORTHING: 397,100 US ft (NAD83/90)			EASTING: 876,111 US ft (NAD83/90)			24 HR. NA				
TOTAL DEPTH: 126.6 ft			BORING DIAMETER: 4" to 30.0', 3" to 126.6'			CASING DEPTH: 4" to 30.0', 3" to 120.0'			HAMMER (ID): 140 lb. Auto (M06)				
DATE STARTED: 4/1/08			COMPLETED: 4/2/08			CORE SIZE: HQ3			BITS USED: 2 7/8" 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			
-75.8					Continued from previous page								
-77.0	76.0										RUN-10		LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, trace recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation) (continued)
-82.0	81.0										RUN-11		81.0ft: medium hard to moderately hard, friable to moderately indurated
-87.0	86.0										RUN-12		
-92.0	91.0										RUN-13		91.0ft: trace fine to medium grained sand
-97.0	96.0										RUN-14		96.0ft: moderately hard, moderately indurated
-102.0	101.0										725-12		101.0ft: Change sampling method to SPT
-103.5	102.5	28	21	25	● 46						RUN-15		101.0ft: white (2.5Y8/1), moderately hard, wet, little fine to medium grained sand, strong HCl reaction
-107.0	106.0										RUN-16		102.5ft: Switch sampling method to coring
-112.0	111.0										RUN-17		102.5ft: white (2.5Y8/1), moderately hard, moderately indurated, fine to medium grained sand, strong HCl reaction, fossiliferous little vugs
-117.0	116.0										RUN-18		106ft: few vugs
-117.0	116.0												POORLY GRADED SAND (SP), wet, fine grained sand, strong HCl reaction, few limestone fragments (Tamiami Formation)
-123.0	122.0	4	7	10							725-13		122.0ft: Switch sampling method to SPT
-126.1	125.1	4	5	12							725-14		122.0ft: greenish gray (10Y5/1), medium dense, wet, fine grained sand, strong HCl reaction
													Boring Terminated at Elevation -127.6 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: J. Liles			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550 (Miller)				DRILLER: R. White/ J. Dugger/ C. White				GROUND WATER (ft)	
BORING NO.: B-725				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.0 ft (NAVD88)				NORTHING: 397,100 US ft (NAD83/90)				EASTING: 876,111 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 126.6 ft				CASING DEPTH: 4" to 30.0', 3" to 120.0'						HAMMER (ID): 140 lb. Auto (M06)			
DATE STARTED: 4/1/08		COMPLETED: 4/2/08		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 @ 32.1 ft		
-33.1	32.1	3.0	0:47 0:43 0:43	(0.0) 0%	(0.0) 0%	RUN-1	(6.0) 41%	(3.5) 24%			LIMESTONE, boundstone, white (2.5Y8/1), very soft, wet, strong HCl reaction (Upper Fort Thompson Formation) (continued)		
-36.1	35.1	5.0	0:50 0:45 0:49 0:41 1:46	(0.0) 0%	(0.0) 0%	RUN-2							
-41.1	40.1		N=62/0.9			725-11							
-42.0	41.0	5.0	0:46 0:48 0:33 1:04 1:12	(4.2) 84%	(2.7) 54%	RUN-3					40.1ft: Switch sampling method to SPT 40.1ft: boundstone, white (2.5Y8/1), hard, wet, strong HCl reaction 41.0ft: Switch sampling method to coring 41.0ft: white (2.5Y8/1), moderately hard, moderately indurated, recrystallized calcite, strong HCl reaction, little vugs		
-47.0	46.0	5.0	1:23 1:29 1:10 1:28 1:48	(5.0) 100%	(3.3) 66%	RUN-4					46.0ft: white (2.5Y8/1) to 46.9ft, then gray (10Y6/1) to 47.8ft		
-52.0	51.0	5.0	1:22 1:01 1:01 1:17 0:51	(4.9) 98%	(4.5) 90%	RUN-5	(38.9) 60%	(11.8) 18%			LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, trace recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation)		
-57.0	56.0	5.0	0:55 0:38 0:34 0:29 0:59	(2.6) 52%	(0.7) 14%	RUN-6					51.0ft: moderately hard, moderately indurated, fossiliferous, trace vugs		
-62.0	61.0	5.0	0:44 0:24 0:26 0:37 0:31	(3.0) 60%	(0.4) 8%	RUN-7							
-67.0	66.0	5.0	0:31 0:20 0:06 0:04 0:02	(0.8) 16%	(0.0) 0%	RUN-8					68.0 to 71.0ft: soft zone		
-72.0	71.0	5.0	0:01 0:14 0:06 0:30 0:20	(1.1) 22%	(0.0) 0%	RUN-9							
-77.0	76.0	5.0	0:05 0:38 0:47 0:26 0:52	(1.8) 36%	(0.0) 0%	RUN-10							
-82.0	81.0	5.0	0:35 0:48 0:46 0:37 0:38	(4.3) 86%	(1.1) 22%	RUN-11					81.0ft: medium hard to moderately hard, friable to moderately indurated		
-87.0	86.0	5.0	0:29 0:28 1:00 4:07 0:48	(4.5) 90%	(1.0) 20%	RUN-12							
-92.0	91.0	5.0	0:21 0:40 0:43 0:35 0:23	(3.5) 70%	(0.5) 10%	RUN-13					91.0ft: trace fine to medium grained sand		
-97.0	96.0	5.0	0:28 0:11 0:10 0:11 0:09	(1.2) 24%	(0.0) 0%	RUN-14					96.0ft: moderately hard, moderately indurated		
-102.0	101.0		N=46			725-12							
-103.5	102.5	3.5	0:31/0.5 0:26 0:34 0:22	(2.9) 83%	(1.1) 31%	RUN-15					101.0ft: Change sampling method to SPT 101.0ft: white (2.5Y8/1), moderately hard, wet, little fine to medium grained sand, strong HCl reaction 102.5ft: Switch sampling method to coring 102.5ft: white (2.5Y8/1), moderately hard, moderately indurated, fine to medium		
-107.0	106.0					RUN-16							

TURKEY POINT COL CORE: TURKEY POINT GPJ TURKEY POINT COL CDT 5/30/08



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/ C. White	GROUND WATER (ft)
BORING NO.: B-725	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.0 ft (NAVD88)	NORTHING: 397,100 US ft (NAD83/90)	EASTING: 876,111 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 126.6 ft	CASING DEPTH: 4" to 30.0', 3" to 120.0'	HAMMER (ID): 140 lb. Auto (M06)	
DATE STARTED: 4/1/08	COMPLETED: 4/2/08	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
-112.0	111.0	5.0	0:37 0:26 0:29 0:24 0:27	(3.3) 66%	(0.0) 0%					grained sand, strong HCl reaction, fossiliferous little vugs 106ft: few vugs LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, trace recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation) (continued)
-117.0	116.0	5.0	0:30 1:11 0:36 0:18 0:18	(1.8) 36%	(0.0) 0%	RUN-17	(1.1) 16%	(NA)		POORLY GRADED SAND (SP), wet, fine grained sand, strong HCl reaction, few limestone fragments (Tamiami Formation)
-122.0	121.0	5.0	0:30 0:26 0:27 0:25 0:26	(1.1) 22%	(0.0) 0%	RUN-18				Coring Terminated at Elevation -122.0

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