



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: R. Clark					
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550 Marsh Buggy				DRILLER: D. White/ R. Hall				GROUND WATER (ft)					
BORING NO.: B-808				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA					
GROUND ELEV.: -1.0 ft (NAVD88)				NORTHING: 396,205 US ft (NAD83/90)				EASTING: 875,332 US ft (NAD83/90)				24 HR. NA					
TOTAL DEPTH: 126.4 ft				BORING DIAMETER: 4" to 25.0', 3" to 126.4'				CASING DEPTH: 4" to 25.0', 3" to 117.8'				HAMMER (ID): 140 lb. Auto (893)					
DATE STARTED: 3/10/08				COMPLETED: 3/18/08				CORE SIZE: HQ3				BITS USED: 4" 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			
Ground Surface																	
-1.0																	
-1.0	0.0	WOH	WOH	WOH							808-1			-1.0			
-3.8	2.8										808-2A&B			-4.4			
-6.1	5.1	WOH	8	12													
-8.5	7.5	10	7	6							808-3						
-11.0	10.0	2	2	2							808-4						
-13.0	12.0	10	40	27							808-5						
-16.0	15.0	7	9	15							808-6						
		19	21	50/0.5							808-7						
-20.6	19.6	6	6	5							808-8						
-25.1	24.1										808-9			-25.0			
-26.0	25.0	50/0.1									RUN-1						
-29.0	28.0										RUN-2						
-34.0	33.0										RUN-3						
-39.0	38.0										RUN-4						
-44.0	43.0										RUN-5						
-49.0	48.0										RUN-6			-50.0			
-54.0	53.0										RUN-7						
-55.6	54.6										RUN-8						
-59.0	58.0										RUN-9						
-64.0	63.0										RUN-10						
-69.0	68.0										RUN-11						
-74.0	73.0										RUN-12						
														</			

TURKEY POINT COL BORE, TURKEY POINT COL GDT 7/10/08



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-550 Marsh Buggy			DRILLER: D. White/ R. Hall			GROUND WATER (ft)						
BORING NO.: B-808			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA						
GROUND ELEV.: -1.0 ft (NAVD88)			NORTHING: 396,205 US ft (NAD83/90)			EASTING: 875,332 US ft (NAD83/90)			24 HR. NA						
TOTAL DEPTH: 126.4 ft			BORING DIAMETER: 4" to 25.0', 3" to 126.4'			CASING DEPTH: 4" to 25.0', 3" to 117.8'			HAMMER (ID): 140 lb. Auto (893)						
DATE STARTED: 3/10/08			COMPLETED: 3/18/08			CORE SIZE: HQ3			BITS USED: 4" 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					
-75.8					Continued from previous page										
-79.0	78.0										RUN-13			LIMESTONE, boundstone, white (10YR8/1), hard, indurated, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued)	
-84.0	83.0										RUN-14			78.0ft: hard, indurated, little vugs	
-89.0	88.0										RUN-15			83.0ft: few vugs, few shell molds and casts	
-94.0	93.0										RUN-16			88.0ft: moderately hard, moderately indurated, little vugs	
-99.0	98.0										RUN-17			93.0ft: few vugs	
-104.0	103.0										RUN-18			98.0ft: little vugs, few to little shell molds and casts	
-109.0	108.0										RUN-19			103.0ft: some vugs	
-114.0	113.0										RUN-20			108.0ft: little vugs	
-119.0	118.0	4	8	11							808-10			113.0ft: few vugs	
-125.9	124.9	13	10	12							808-11			118.0ft: Switch sampling method to SPT	
														POORLY GRADED SAND (SP), light gray (10YR7/1), medium dense, wet, trace shell fragments, strong HCl reaction, fine grained sand (Tamiami Formation)	
														118.0ft: Switch sampling method to SPT	
														Silty SAND (SM), olive gray (10YR5/2), medium dense, wet, fine grained sand, trace shells, strong HCl reaction	
														118.0ft: Switch sampling method to SPT	
														122.0	
														126.4	
														Boring Terminated at Elevation -127.4 ft	

TURKEY POINT COL BORE, TURKEY POINT COL.GPJ, TURKEY POINT COL.GDT, 7/10/08



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-550 Marsh Buggy				DRILLER: D. White/ R. Hall				GROUND WATER (ft)	
BORING NO.: B-808				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.0 ft (NAVD88)				NORTHING: 396,205 US ft (NAD83/90)				EASTING: 875,332 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 126.4 ft				CASING DEPTH: 4" to 25.0', 3" to 117.8'						HAMMER (ID): 140 lb. Auto (893)			
DATE STARTED: 3/10/08		COMPLETED: 3/18/08		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 @ 25.0 ft			
-26.0	25.0	3.0	1:45 1:46 1:52	(3.0) 100%	(1.6) 53%	RUN-1	(22.6) 94%	(18.2) 76%		LIMESTONE, boundstone, white (10YR8/1), hard to moderately hard, moderately indurated, fossiliferous, trace to little locally interconnected vugs, strong HCl reaction (Upper Fort Thompson Formation) (continued) 25.0ft: Switch sampling method to coring 28.0ft: coralline, recrystallized calcite, few vugs			
-29.0	28.0	5.0	1:58 1:03 0:51 1:03 1:01	(4.5) 90%	(3.8) 76%	RUN-2							
-34.0	33.0	5.0	1:10 1:05 0:45 0:58 1:14	(4.3) 86%	(3.0) 60%	RUN-3				33.0ft: hard, indurated, little vugs			
-39.0	38.0	5.0	1:12 1:13 1:02 1:17 1:10	(4.9) 98%	(4.4) 88%	RUN-4				38.0ft: few vugs, trace coralline 39.0ft: loss of circulation			
-44.0	43.0	5.0	1:14 1:04 1:27 1:20 1:45	(4.9) 98%	(4.4) 88%	RUN-5				43.0ft: light gray (10YR7/1), to gray (10YR6/1)			
-49.0	48.0	5.0	1:12 1:25 2:05 0:58 1:00	(4.9) 98%	(4.8) 96%	RUN-6	(44.2) 67%	(27.7) 42%		-50.0	48.0ft: gray (10YR6/1), to 49.0ft 49.0		
-54.0	53.0	1.6	1:39 3:18/0.6	(1.6) 100%	(0.5) 31%	RUN-7				LIMESTONE, boundstone, white (10YR8/1), hard, indurated, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)			
-55.6	54.6	3.4	0:43/0.4 0:51 0:41 1:01	(3.4) 100%	(2.4) 71%	RUN-8							
-59.0	58.0	5.0	1:46 1:41 1:25 1:06 1:21	(4.9) 98%	(4.5) 90%	RUN-9				58.0ft: few vugs			
-64.0	63.0	5.0	0:25 0:36 0:21 0:11 0:09	(1.2) 24%	(0.0) 0%	RUN-10				63.0 to 73.0ft: possible interbedded sand layers; based on recovery and drilling rates			
-69.0	68.0	5.0	0:29 1:01 0:23 1:52 0:54	(1.3) 26%	(0.4) 8%	RUN-11				73.0ft: trace vugs			
-74.0	73.0	5.0	0:38 0:45 0:33 1:10 0:54	(2.4) 48%	(1.1) 22%	RUN-12				73.0ft: trace vugs			
-79.0	78.0	5.0	1:00 0:51 0:38 1:26 2:43	(3.6) 72%	(1.9) 38%	RUN-13				78.0ft: hard, indurated, little vugs			
-84.0	83.0	5.0	0:23 0:48 1:40 1:59 1:26	(4.3) 86%	(3.6) 72%	RUN-14				83.0ft: few vugs, few shell molds and casts			
-89.0	88.0	5.0	0:40 0:56 0:46 1:08 0:39	(4.7) 94%	(3.7) 74%	RUN-15				88.0ft: moderately hard, moderately indurated, little vugs			
-94.0	93.0	5.0	0:53 0:32 1:33 0:49 1:07	(2.0) 40%	(0.0) 0%	RUN-16				93.0ft: few vugs			
-99.0	98.0	5.0	0:52 0:46	(3.2) (2.0)	(2.0)	RUN-17				98.0ft: little vugs, few to little shell molds and casts			

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



SHEET 2 OF 2

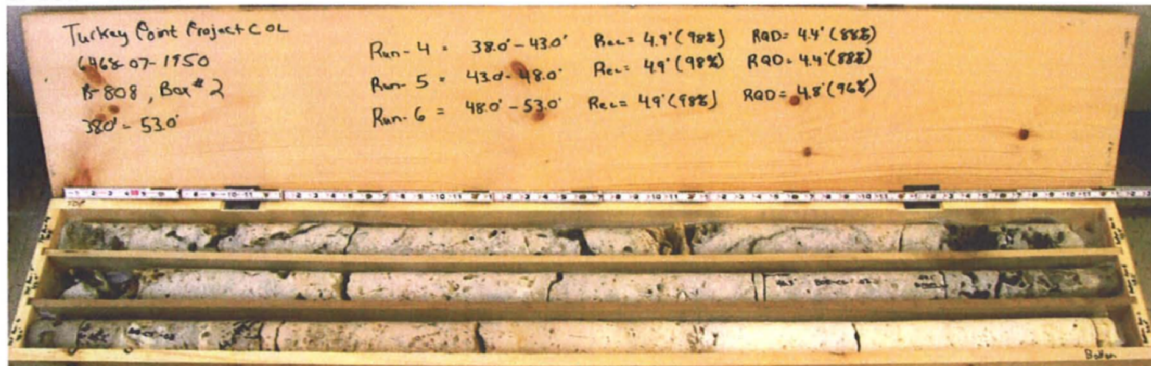
BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: R. Clark
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 Marsh Buggy	DRILLER: D. White/ R. Hall	GROUND WATER (ft)
BORING NO.: B-808	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.0 ft (NAVD88)	NORTHING: 396,205 US ft (NAD83/90)	EASTING: 875,332 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 126.4 ft	CASING DEPTH: 4" to 25.0', 3" to 117.8'	HAMMER (ID): 140 lb. Auto (893)	
DATE STARTED: 3/10/08	COMPLETED: 3/18/08	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) %	RUN ROD (ft) %	SAMP. NO.	STRATA REC (ft) %	STRATA ROD (ft) %	L O G	DESCRIPTION AND REMARKS
										Continued from previous page
-104.0	103.0		1:03 0:56 0:45	64%	40%					LIMESTONE, boundstone, white (10YR8/1), hard, indurated, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued)
		5.0	0:37 0:39 0:36 0:46 0:38	(4.9) 98%	(3.3) 66%	RUN-18				103.0ft: some vugs
-109.0	108.0									
		5.0	0:29 0:21 0:19 1:20 0:40	(2.0) 40%	(0.5) 10%	RUN-19				108.0ft: little vugs
-114.0	113.0									
		5.0	0:14 1:37 0:56 0:13 0:27	(0.8) 16%	(0.0) 0%	RUN-20				113.0ft: few vugs
-119.0	118.0						(0.0) 0%	(NA)		POORLY GRADED SAND (SP), light gray (10YR7/1), medium dense, wet, trace shell fragments, strong HCl reaction, fine grained sand (Tamiami Formation)
										Coring Terminated at Elevation -119.0

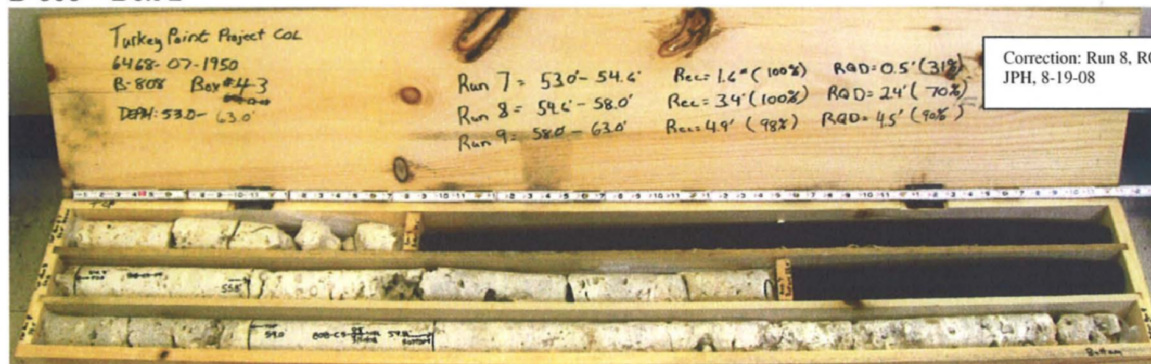
TURKEY POINT COL CORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 7:10:08



B-808 - Box 1



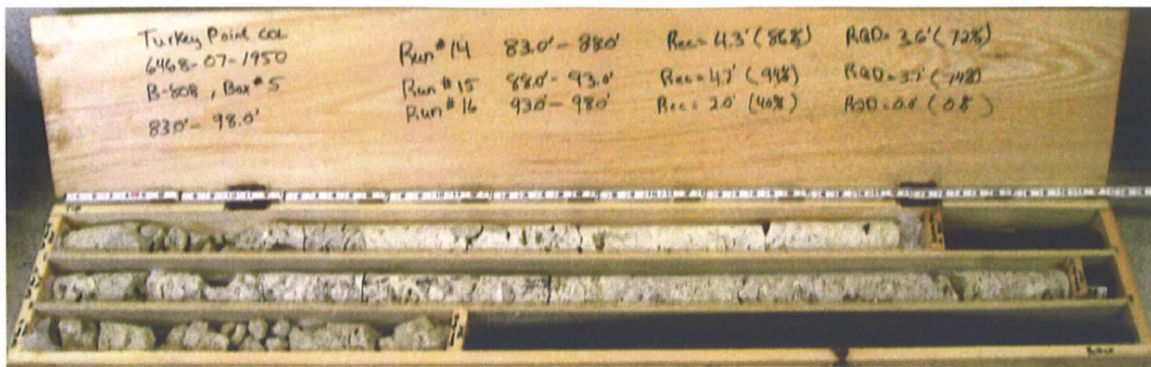
B-808 - Box 2



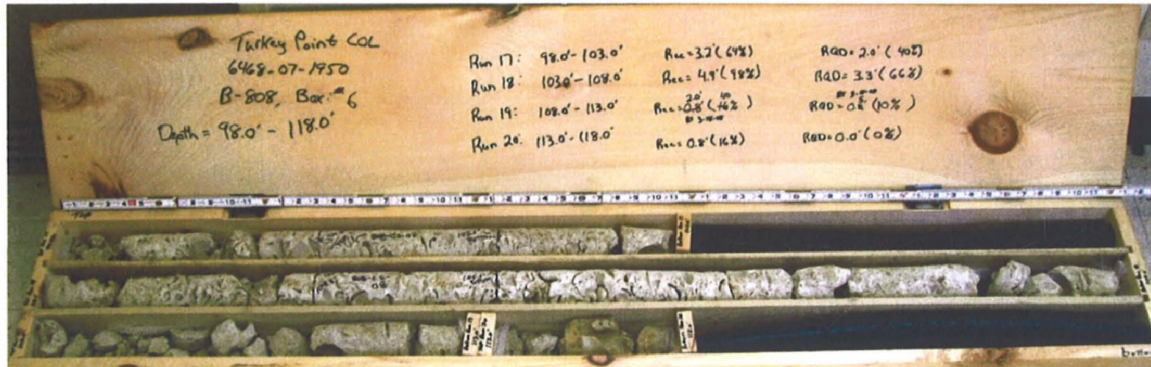
B-808 - Box 3



B-808 - Box 4



B-808 - Box 5



B-808 - Box 6



GEOTECHNICAL BORING LOG

Prepared By YMM Date 7-10-08Checked By YMM Date 7-10-08

SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409			MACTEC PROJECT NO.: 6468-07-1950			COUNTY: Miami-Dade			GEOLOGIST: B. Taylor				
SITE DESCRIPTION: Turkey Point COL			DRILL MACHINE: CME-550 Marsh Buggy			DRILLER: D. White/ R. Hall			GROUND WATER (ft)				
BORING NO.: B-809			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA				
GROUND ELEV.: -1.3 ft (NAVD88)			NORTHING: 397,028 US ft (NAD83/90)			EASTING: 875,151 US ft (NAD83/90)			24 HR. NA				
TOTAL DEPTH: 124.5 ft			BORING DIAMETER: 4" to 19.6", 3" to 124.5'			CASING DEPTH: 4" to 19.6', 3" to 119.0'			HAMMER (ID): 140 lb. Auto (893)				
DATE STARTED: 3/19/08			COMPLETED: 3/21/08			CORE SIZE: HQ3			BITS USED: 2 15/16" 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			
-1.3					Ground Surface								
-1.3	0.0	WOH	WOH	WOH	0						809-1		MUCK, very dark gray (10YR3/1), very soft, moist, mostly organic, strong HCl reaction, trace shell fragments
-4.8	3.5										809-2		LIMESTONE, boundstone, white (10YR8/1), very soft, wet, strong HCl reaction, fossiliferous, oolitic (Miami Formation)
-7.3	6.0	8	11	7							809-3		6.0ft: very dark brown (10YR8/2), medium hard
-9.8	8.5	3	13	26							809-4		6.0ft: some loss of circulation
-12.3	11.0	4	5	5							809-5		8.5ft: white (10YR8/1), very soft, vugs
-14.8	13.5	13	26	27							809-6		11.0ft: moderately hard, fossiliferous
		48	26	29									
-20.5	19.2										809-7		19.2ft: hard
-20.9	19.6	50/0.2									RUN-1		19.6ft: Switch sampling method to coring
-24.3	23.0										RUN-2		19.6ft: indurated, trace vugs
-29.3	28.0										RUN-3		LIMESTONE, boundstone, white (10YR8/1), moderately hard, moderately indurated, fossiliferous, coralline, little vugs, strong HCl reaction (Upper Fort Thompson Formation)
-34.3	33.0										RUN-4		30.0ft: loss of circulation
-39.3	38.0										RUN-5		33.0ft: locally interconnected vugs
-44.3	43.0										RUN-6		38.0ft: hard, indurated, recrystallized calcite
-49.3	48.0										RUN-7		43ft: light gray (10YR7/1) from 46.8ft to 48.4ft
-54.3	53.0										RUN-8		LIMESTONE, boundstone, white (10YR8/1), moderately hard, moderately indurated, fossiliferous, few vugs, trace shell molds, strong HCl reaction (Lower Fort Thompson Formation)
-59.3	58.0										RUN-9		53.0ft: trace to few shell molds and casts
-64.3	63.0										RUN-10		63.0 to 68ft: possible interbedded sand layers, based on drilling rates and recovery
-69.3	68.0										RUN-11		68.0ft: some vugs
-74.3	73.0										RUN-12		73.0ft: little vugs

TURKEY POINT COL BORE TURKEY POINT GP1 TURKEY POINT COL.GDT 7/10/08



SHEET 2 OF 2

BECHTEL PROJECT NO.: 25409			MACTEC PROJECT NO.: 6468-07-1950			COUNTY: Miami-Dade			GEOLOGIST: B. Taylor					
SITE DESCRIPTION: Turkey Point COL			DRILL MACHINE: CME-550 Marsh Buggy			DRILLER: D. White/ R. Hall			GROUND WATER (ft)					
BORING NO.: B-809			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA					
GROUND ELEV.: -1.3 ft (NAVD88)			NORTHING: 397,028 US ft (NAD83/90)			EASTING: 875,151 US ft (NAD83/90)			24 HR. NA					
TOTAL DEPTH: 124.5 ft			BORING DIAMETER: 4" to 19.6', 3" to 124.5'			CASING DEPTH: 4" to 19.6', 3" to 119.0'			HAMMER (ID): 140 lb. Auto (893)					
DATE STARTED: 3/19/08			COMPLETED: 3/21/08			CORE SIZE: HQ3			BITS USED: 2 15/16" 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
-76.1					Continued from previous page									
-79.3	78.0													LIMESTONE, boundstone, white (10YR8/1), moderately hard, moderately indurated, fossiliferous, few vugs, trace shell molds, strong HCl reaction (Lower Fort Thompson Formation) (continued) 78.0ft: some vugs, little sand
-83.0	81.7													
-84.3	83.0													
-89.3	88.0													83.0ft: little vugs, trace to few shell molds and casts
-94.3	93.0													88.0ft: medium hard, friable, some vugs, little to some shell molds and casts
-99.3	98.0													93.0ft: moderately indurated, few vugs, little shell molds and casts
-104.3	103.0													98.0ft: some vugs, little to some shell molds and casts
-109.3	108.0													103.0ft: light gray (10YR7/2), moderately hard, moderately indurated, little vugs
-114.3	113.0													108.0ft: light greenish gray (10Y6/1) 109.6ft: possible interbedded sand layers
-124.3	123.0	9	10	17										Silty SAND (SM), light olive gray (5Y6/2), medium dense, wet, fine grained sand, strong HCl reaction, trace shell fragments (Tamiami Formation)
														123.0ft: Switch sampling method to SPT
														Boring Terminated at Elevation -125.8 ft

TURKEY POINT COL BORE, TURKEY POINT GPJ, TURKEY POINT COL GDT 7/10/08



SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: B. Taylor
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 Marsh Buggy	DRILLER: D. White/ R. Hall	GROUND WATER (ft)
BORING NO.: B-809	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.3 ft (NAVD88)	NORTHING: 397,028 US ft (NAD83/90)	EASTING: 875,151 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 124.5 ft	CASING DEPTH: 4" to 19.6', 3" to 119.0'	HAMMER (ID): 140 lb. Auto (893)	
DATE STARTED: 3/19/08	COMPLETED: 3/21/08	CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC (ft) %	ROD (ft) %	SAMP NO.	REC. (ft) %	RQD (ft) %	L O G	DESCRIPTION AND REMARKS
										Begin Coring @ 19.6 ft
-20.9	19.6	3.4	4:05 2:47 2:03	(3.4) 100%	(3.4) 100%	RUN-1	(5.4) 100%	(5.4) 100%		LIMESTONE, boundstone, white (10YR8/1), very soft, wet, strong HCl reaction, fossiliferous, oolitic (Miami Formation) (continued)
-24.3	23.0	5.0	0:53/0.4 2:16 1:57 1:05 1:13 0:55	(5.0) 100%	(4.9) 98%	RUN-2				19.6ft: indurated, trace vugs
-29.3	28.0	5.0	1:27 1:35 1:36 1:09 1:41	(4.3) 86%	(2.4) 48%	RUN-3	(22.1) 94%	(19.1) 82%		LIMESTONE, boundstone, white (10YR8/1), moderately hard, moderately indurated, fossiliferous, coralline, little vugs, strong HCl reaction (Upper Fort Thompson Formation)
-34.3	33.0	5.0	2:11 2:06 1:17 1:26 2:37	(4.8) 96%	(4.1) 82%	RUN-4				30.0ft: loss of circulation
-39.3	38.0	5.0	1:57 1:42 2:40 3:26 3:54	(4.8) 96%	(4.6) 92%	RUN-5				33.0ft: locally interconnected vugs
-44.3	43.0	5.0	2:14 1:43 1:14 1:58 1:45	(4.8) 96%	(4.7) 94%	RUN-6				38.0ft: hard, indurated, recrystallized calcite
-49.3	48.0	5.0	1:18 1:09 0:57 0:41 0:44	(4.9) 98%	(4.7) 94%	RUN-7	(41.6) 64%	(26.7) 41%		43ft: light gray (10YR7/1) from 46.8ft to 48.4ft
-54.3	53.0	5.0	0:44 1:02 1:19 0:41 0:33	(4.4) 88%	(3.6) 72%	RUN-8				LIMESTONE, boundstone, white (10YR8/1), moderately hard, moderately indurated, fossiliferous, few vugs, trace shell molds, strong HCl reaction (Lower Fort Thompson Formation)
-59.3	58.0	5.0	1:04 1:05 0:46 1:02 2:03	(3.4) 68%	(2.1) 42%	RUN-9				53.0ft: trace to few shell molds and casts
-64.3	63.0	5.0	0:16 0:50 0:04 0:11 0:31	(0.6) 12%	(0.0) 0%	RUN-10				63.0 to 68ft: possible interbedded sand layers; based on drilling rates and recovery
-69.3	68.0	5.0	1:14 0:45 0:59 0:43 0:50	(2.8) 56%	(1.0) 20%	RUN-11				68.0ft: some vugs
-74.3	73.0	5.0	1:13 1:00 1:15 1:43 2:21	(3.0) 60%	(0.5) 10%	RUN-12				73.0ft: little vugs
-79.3	78.0	3.7	1:06 1:55 0:23	(2.3) 62%	(1.0) 27%	RUN-13				78.0ft: some vugs, little sand
-83.0	81.7	1.3	2:19/0.7 0:49	(1.0) 77%	(0.0) 0%	RUN-14				
-84.3	83.0	5.0	0:36/0.3 1:20 1:16 0:54 0:34 1:20	(3.8) 76%	(2.2) 44%	RUN-15				83.0ft: little vugs, trace to few shell molds and casts
-89.3	88.0	5.0	0:37 0:33 0:29 0:20 0:19	(3.1) 62%	(2.2) 44%	RUN-16				88.0ft: medium hard, friable, some vugs, little to some shell molds and casts
-94.3	93.0	5.0	0:24	(2.5) 100%	(1.8) 100%	RUN-17				93.0ft: moderately indurated, few vugs, little shell molds and casts

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



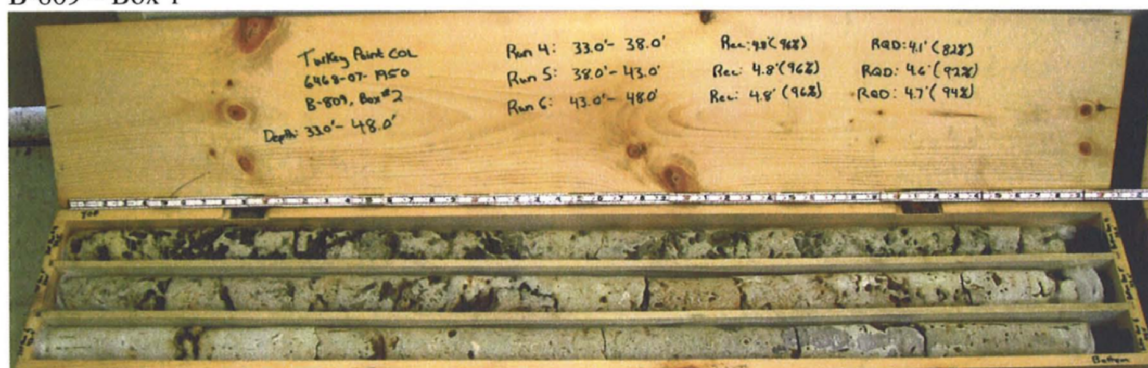
SHEET 2 OF 2

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade		GEOLOGIST: B. Taylor		
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550 Marsh Buggy				DRILLER: D. White/ R. Hall			GROUND WATER (ft) 0 HR. NA 24 HR. NA	
BORING NO.: B-809				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				
GROUND ELEV.: -1.3 ft (NAVD88)				NORTHING: 397,028 US ft (NAD83/90)				EASTING: 875,151 US ft (NAD83/90)				
TOTAL DEPTH: 124.5 ft				CASING DEPTH: 4" to 19.6', 3" to 119.0'						HAMMER (ID): 140 lb. Auto (893)		
DATE STARTED: 3/19/08		COMPLETED: 3/21/08		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
												Continued from previous page
-99.3	98.0		0:33 0:31 0:24 0:29	50%	36%							LIMESTONE, boundstone, white (10YR8/1), moderately hard, moderately indurated, fossiliferous, few vugs, trace shell molds, strong HCl reaction (Lower Fort Thompson Formation) (continued)
		5.0	0:50 1:00 0:46 0:35 0:33	(4.4) 88%	(3.3) 66%	RUN-18						98.0ft: some vugs, little to some shell molds and casts
-104.3	103.0											
		5.0	0:39 0:34 0:21 0:26 0:12	(3.3) 66%	(2.5) 50%	RUN-19						103.0ft: light gray (10YR7/2), moderately hard, moderately indurated, little vugs
-109.3	108.0											
		5.0	0:31 0:40 1:01 0:31 0:44	(2.5) 50%	(2.2) 44%	RUN-20						108.0ft: light greenish gray (10Y6/1) 109.6ft: possible interbedded sand layers
-114.3	113.0											
		5.0	0:12 0:21 0:41 0:39 0:29	(2.3) 46%	(NA)	RUN-21	(2.3) 46%	(NA)				Silty SAND (SM), light olive gray (5Y6/2), medium dense, wet, fine grained sand, strong HCl reaction, trace shell fragments (Tamiami Formation)
-119.3	118.0											
												Coring Terminated at Elevation -119.3
								</				

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



B-809 - Box 1



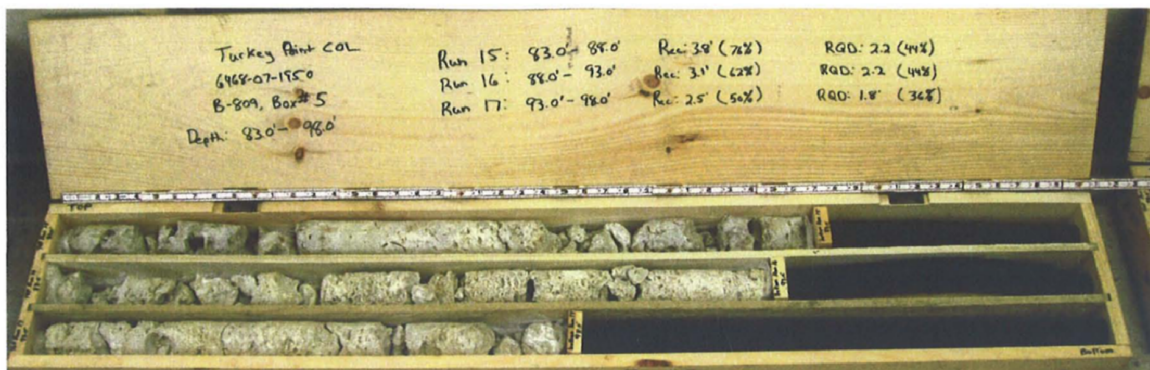
B-809 - Box 2



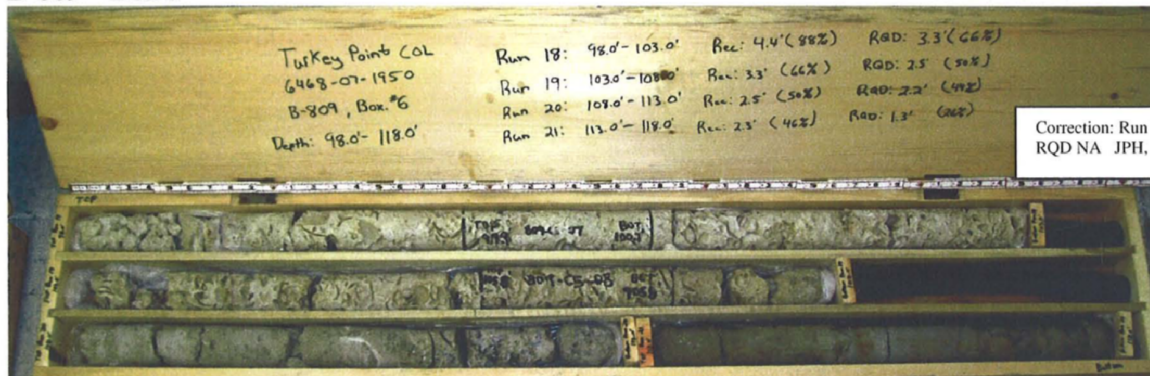
B-809 - Box 3



B-809 - Box 4



B-809 - Box 5



B-809 - Box 6