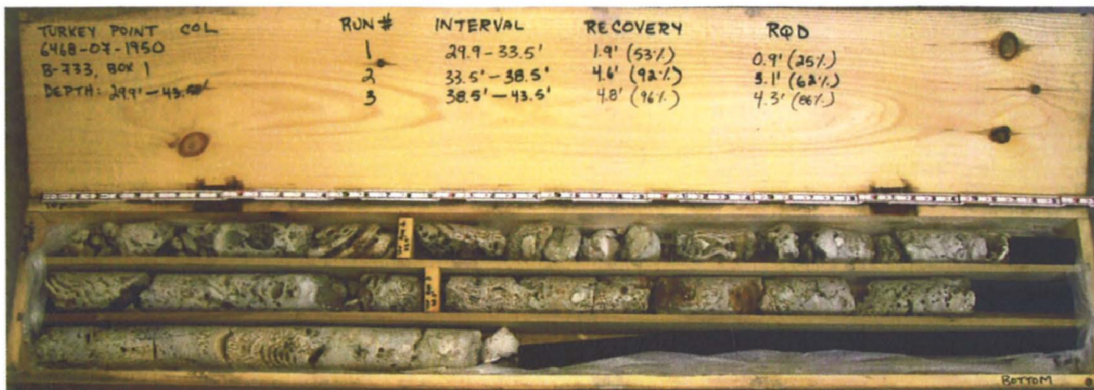




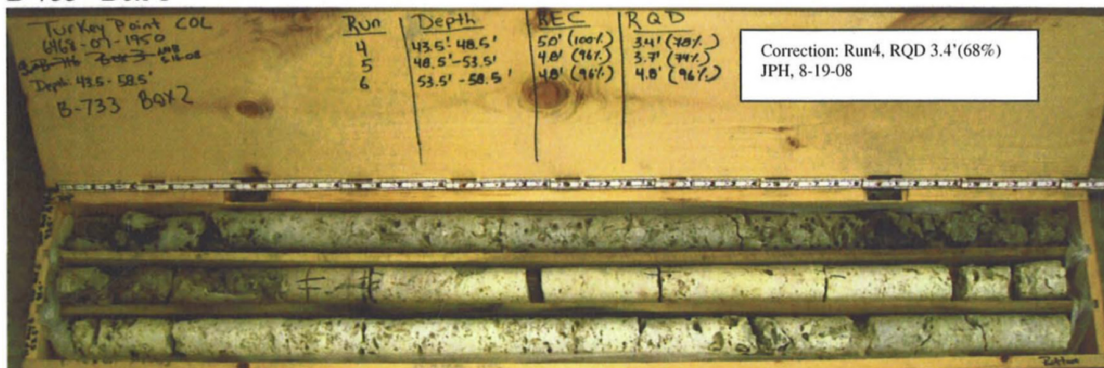
SHEET 1 OF 1

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-733				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.0 ft (NAVD88)				NORTHING: 396,118 US ft (NAD83/90)				EASTING: 875,898 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 103.5 ft				CASING DEPTH: 4" to 28.0'						HAMMER (ID): 140 lb. Auto (MEC-03)			
DATE STARTED: 5/15/08		COMPLETED: 5/17/08		CORE SIZE: HQ3		CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)							
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC. (ft) %		ROD (ft) %	SAMP. NO.	STRATA REC. (ft) %		ROD (ft) %	L O G	DESCRIPTION AND REMARKS	
												Begin Coring @ 29.9 ft	
-30.9	29.9	3.6	0.08/0.6 0.43 0.38 0.47	(1.9) 53%	(0.9) 25%	RUN-1	(16.3) 88%	(11.7) 63%				LIMESTONE, boundstone, pale yellow (2.5Y8/2), hard, wet, coralline, little vugs, strong HCl reaction (Upper Fort Thompson Formation) (continued)	
-34.5	33.5											29.9ft: white (10YR8/1), indurated, some vugs, recrystallized calcite	
		5.0	0.39 0.39 1.27 1.09 1.24	(4.6) 92%	(3.1) 62%	RUN-2						32.0ft: loss of circulation 33.5ft: little vugs	
-39.5	38.5												
		5.0	0.56 0.38 0.39 0.51 1.16	(4.8) 96%	(4.3) 86%	RUN-3						38.5ft: white (10YR8/1), to light gray (10YR7/1), few vugs	
-44.5	43.5												
		5.0	1.17 0.47 0.32 0.30 0.19	(5.0) 100%	(3.4) 68%	RUN-4						43.5ft: white (10YR8/1), to light gray (10YR7/2), moderately hard, moderately indurated, trace sand	
-49.5	48.5												
		5.0	0.48 1.03 0.40 0.32 0.27	(4.8) 96%	(3.7) 74%	RUN-5	(34.6) 63%	(18.2) 33%				LIMESTONE, boundstone, light gray (10YR7/2), to white (10YR8/1), hard, indurated, fossiliferous, trace vugs, strong HCl reaction (Lower Fort Thompson Formation)	
-54.5	53.5												
		5.0	0.50 0.50 0.51 0.33 0.26	(4.8) 96%	(4.8) 96%	RUN-6						53.5ft: white (10YR8/1)	
-59.5	58.5												
		5.0	0.31 0.20 0.49 0.42 0.41	(4.1) 82%	(2.2) 44%	RUN-7						58.5ft: mottled light greenish gray (10Y7/1), moderately hard, moderately indurated	
-64.5	63.5												
		5.0	0.36 0.50 0.24 0.12 0.14	(2.4) 48%	(0.0) 0%	RUN-8						63.5ft: light gray (10YR7/1) 66.0 to 93.5ft: possible interbedded sand; based on drilling rates and recovery	
-69.5	68.5												
		5.0	0.10 0.38 0.33 0.42 0.39	(4.0) 80%	(1.6) 32%	RUN-9						68.5ft: white (10YR8/1)	
-74.5	73.5												
		5.0	0.22 0.08 0.08 0.16 0.25	(1.5) 30%	(0.0) 0%	RUN-10							
-79.5	78.5												
		5.0	0.39 0.25 0.12 0.34 0.20	(3.3) 66%	(0.8) 16%	RUN-11						78.5ft: hard	
-84.5	83.5												
		5.0	0.11 0.31 0.25 0.44 0.55	(0.7) 14%	(0.0) 0%	RUN-12						83.5ft: moderately hard	
-89.5	88.5												
		5.0	0.38 0.29 0.16 0.15 0.12	(1.5) 30%	(0.4) 8%	RUN-13						88.5ft: hard, indurated	
-94.5	93.5												
		5.0	0.30 0.26 0.24 0.30 0.28	(2.9) 58%	(0.9) 18%	RUN-14						93.5ft: moderately hard, moderately indurated	
-99.5	98.5												
		5.0	0.24 0.22 0.22 0.25 0.21	(4.6) 92%	(3.8) 76%	RUN-15							
-104.5	103.5												
												Coring Terminated at Elevation -104.5	

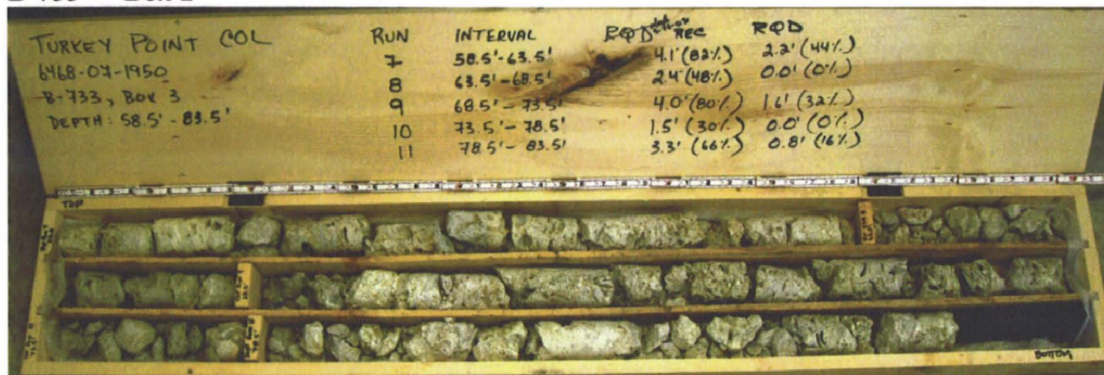
TURKEY POINT COL CORE TURKEY POINT COL GDT 5/30/08



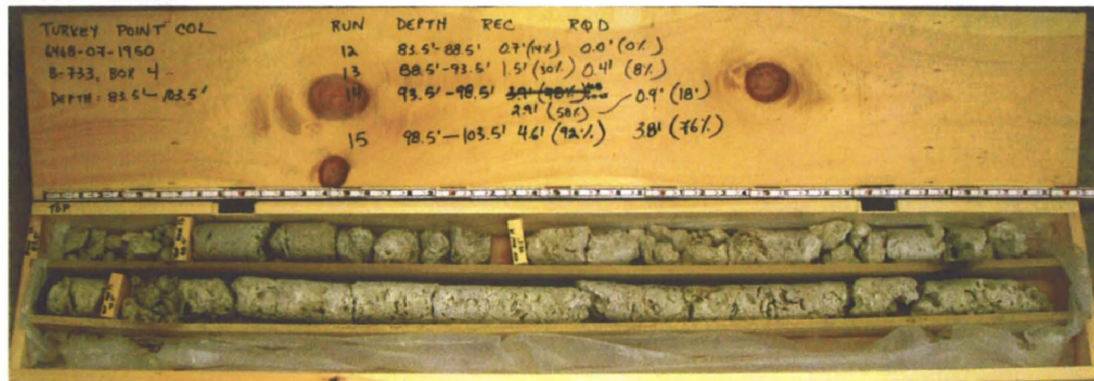
B-733- Box 1



B-733 - Box 2



B-733 - Box 3



B-733 - Box 4



GEOTECHNICAL BORING LOG

Prepared By SPR Date 5-30-08

Checked By SPR Date 5-20-08

SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409					MACTEC PROJECT NO.: 6468-07-1950					COUNTY: Miami-Dade		GEOLOGIST: S. Lehman			
SITE DESCRIPTION: Turkey Point COL					DRILL MACHINE: CME-45C (RAL)					DRILLER: D. Rhodes/ K. Guy				GROUND WATER (ft)	
BORING NO.: B-734					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -0.6 ft (NAVD88)					NORTHING: 395,833 US ft (NAD83/90)					EASTING: 875,546 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 130.0 ft			BORING DIAMETER: 4" to 39.6', 3" to 130.0'					CASING DEPTH: 4" to 39.6', 3" to 113.5'				HAMMER (ID): 140 lb. Auto (MEC-12)			
DATE STARTED: 3/26/08			COMPLETED: 4/4/08			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	
-0.6					Ground Surface										
-0.6	0.0	WOH	WOH	WOH	0						734-1		-0.6	0.0	
-3.1	2.5	WOH	WOH	WOH	0						734-2A&B		-2.6	2.5	2.0
-5.8	5.2	12	9	7							734-3		-4.6	4.0	4.0
-8.2	7.6	3	6	6							734-4				
-10.8	10.2	2	5	6							734-5				
-13.3	12.7	10	17	10							734-6				
-15.8	15.2	3	8	14							734-7				
-19.1	18.5	16	28	21							734-8				
-24.1	23.5	10	7	4							734-9				
-29.1	28.5	26	50/0.5								734-10		-27.6	27.0	27.0
-30.1	29.5										RUN-1				
-32.2	31.6										RUN-2				
-37.2	36.6										RUN-3				
-42.2	41.6										RUN-4				
-47.2	46.6										RUN-5				
-52.2	51.6										RUN-6		-49.6	49.0	49.0
-57.2	56.6										RUN-7				
-62.2	61.6										RUN-8				
-67.2	66.6	4	10	11							734-11				
-68.7	68.1										RUN-9				
-72.2	71.6										RUN-10				

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: S. Lehman				
SITE DESCRIPTION: Turkey Point COL					DRILL MACHINE: CME-45C (RAL)					DRILLER: D. Rhodes/ K. Guy					GROUND WATER (ft)		
BORING NO.: B-734					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core					0 HR. NA		
GROUND ELEV.: -0.6 ft (NAVD88)					NORTHING: 395,833 US ft (NAD83/90)					EASTING: 875,546 US ft (NAD83/90)					24 HR. NA		
TOTAL DEPTH: 130.0 ft					BORING DIAMETER: 4" to 39.6', 3" to 130.0'					CASING DEPTH: 4" to 39.6', 3" to 113.5'					HAMMER (ID):140 lb. Auto (MEC-12)		
DATE STARTED: 3/26/08					COMPLETED: 4/4/08					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							
-75.4					Continued from previous page												
-77.2	76.6										RUN-11			LIMESTONE, boundstone, white (2.5YR8/1). hard, indurated, trace recrystallized calcite (Lower Fort Thompson Formation) (continued)			
-82.2	81.6										RUN-12			81.6ft: moderately hard, moderately indurated, trace shell molds and casts			
-87.2	86.6										RUN-13			86.6ft: few vugs, trace sand			
-92.2	91.6										RUN-14						
-97.2	96.6										RUN-15						
-102.2	101.6										RUN-16			101.6ft: no recovery, possible soft, friable limestone with interbedded sand layers			
-107.2	106.6										734-12			106.6ft: Switch sampling method to SPT			
-108.7	108.1	5	14	16	30						RUN-17			106.6ft: soft, friable to moderately indurated			
-112.2	111.6										RUN-18			108.1ft: Switch sampling method to coring			
-117.2	116.6										734-13A&B			108.1ft: moderately hard, moderately indurated to indurated, little sand			
-124.1	123.5	9	9	8	17									111.6ft: hard, indurated, few shell molds			
-129.1	128.5	11	5	5	10						734-14			Silty SAND (SM), light gray (2.5Y7/2), medium dense, wet, fine grained sand with lenses of very soft, moderately indurated limestone (Tamiami Formation)			
		7	8	11	19						734-15			123.5ft: greenish gray (10Y6/1), loose			
														128.5ft: light greenish gray (10Y7/1), medium dense, cemented sand and shell fragments			
														Boring Terminated at Elevation -130.6 ft			

TURKEY POINT COL BORE 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: S. Lehman			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-45C (RAL)				DRILLER: D. Rhodes/ K. Guy				GROUND WATER (ft)	
BORING NO.: B-734				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -0.6 ft (NAVD88)				NORTHING: 395,833 US ft (NAD83/90)				EASTING: 875,546 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 130.0 ft				CASING DEPTH: 4" to 39.6', 3" to 113.5'						HAMMER (ID): 140 lb. Auto (MEC-12)			
DATE STARTED: 3/26/08		COMPLETED: 4/4/08		CORE SIZE: HQ3		CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)							
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC (ft) %		RQD (ft) %	SAMP. NO.	STRATA REC (ft) %		RQD (ft) %	L O G	DESCRIPTION AND REMARKS	
Begin Coring @ 29.5 ft													
-30.1	29.5	2.1	0:56	(1.9)	(1.2)	RUN-1	(14.6)	(12.4)				LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated (Upper Fort Thompson Formation) (continued)	
-32.2	31.6	5.0	0:18/0.1	(4.8)	(4.2)	RUN-2	75%	64%				29.5ft: few vugs, coralline	
			1:14										
			0:49										
			1:23										
-37.2	36.6	5.0	0:44										
			1:10										
			0:32	(1.7)	(1.2)	RUN-3						36.6ft: trace recrystallized calcite	
			0:08	34%	24%							37.5 to 39.5ft: possible interbedded sand layers; based on recovery and drilling rates	
			0:46										
			2:40										
-42.2	41.6	5.0	4:46	(4.9)	(4.9)	RUN-4							
			1:42	98%	98%								
			1:33										
			1:33										
			1:37										
			1:43										
-47.2	46.6	5.0	0:47	(2.0)	(1.3)	RUN-5						46.6ft: light gray (10YR7/1)	
			1:32	40%	26%								
			2:08										
			2:48				(24.6)	(15.7)					
			3:10				40%	26%					
-52.2	51.6	5.0	1:42	(4.7)	(3.9)	RUN-6						LIMESTONE, boundstone, white (2.5YR8/1), hard, indurated, trace recrystallized calcite (Lower Fort Thompson Formation)	
			0:59	94%	78%							51.6ft: moderately hard to hard, moderately indurated to indurated, trace vugs	
			1:09										
			0:46										
			1:03										
-57.2	56.6	5.0	0:46	(3.5)	(2.7)	RUN-7						56.6ft: hard, indurated	
			1:06	70%	54%								
			1:20										
			0:46										
			0:45										
-62.2	61.6	5.0	1:17	(1.9)	(1.4)	RUN-8						61.6ft: little sand	
			0:26	38%	28%							Below 64.0ft: possible interbedded sand layers; based on recovery and drilling rates	
			0:48										
			0:09										
			0:05										
-67.2	66.6		N=21			734-11						66.6ft: Switch sampling method to SPT	
-68.7	68.1	3.5	0:27	(1.5)	(1.5)	RUN-9						66.6ft: soft	
			1:56	43%	43%							68.1ft: Switch sampling method to coring	
			0:21									68.1ft: hard, indurated	
-72.2	71.6	5.0	0:08/0.5	(1.1)	(0.0)	RUN-10							
			1:00	22%	0%								
			1:09										
			0:58										
			0:25										
			2:20										
-77.2	76.6	5.0	1:02	(1.0)	(0.0)	RUN-11							
			0:08	20%	0%								
			0:15										
			0:12										
			2:00										
-82.2	81.6	5.0	0:42	(2.2)	(1.3)	RUN-12						81.6ft: moderately hard, moderately indurated, trace shell molds and casts	
			0:53	44%	26%								
			0:58										
			0:54										
			0:46										
-87.2	86.6	5.0	1:02	(2.4)	(1.7)	RUN-13						86.6ft: few vugs, trace sand	
			0:39	48%	34%								
			0:25										
			0:40										
			0:26										
-92.2	91.6	5.0	0:19	(2.0)	(0.4)	RUN-14							
			0:28	40%	8%								
			0:26										
			0:38										
			1:02										
-97.2	96.6	5.0	0:39	(0.6)	(0.4)	RUN-15							
			0:42	12%	8%								
			0:36										
			0:34										
			0:27										
-102.2	101.6	5.0	0:21	(0.0)	(0.0)	RUN-16						101.6ft: no recovery, possible soft, friable limestone with interbedded sand layers	
			0:43	0%	0%								

TURKEY POINT COL CORE TURKEY POINT GP TURKEY POINT COL GDT 5/30/08

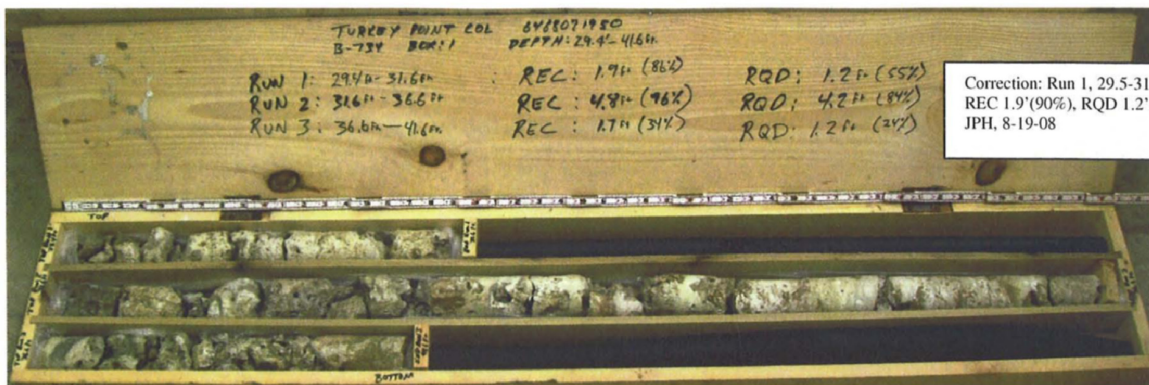


SHEET 2 OF 2

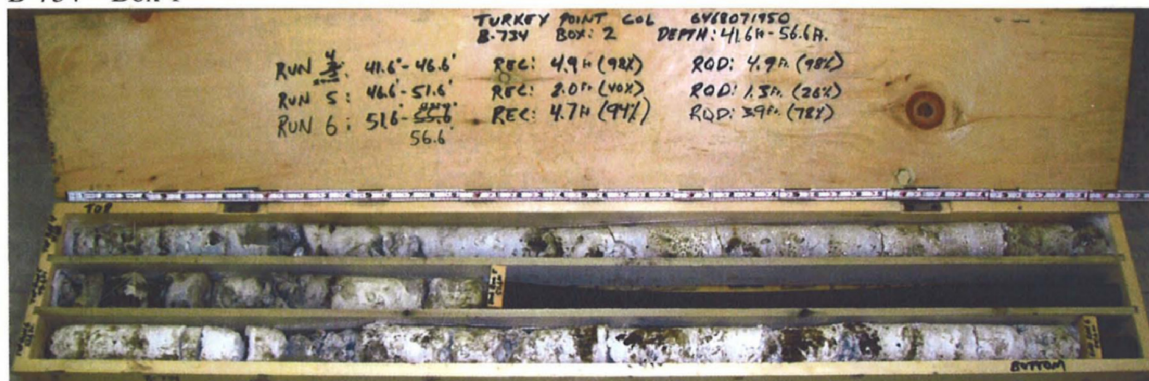
BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: S. Lehman
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-45C (RAL)	DRILLER: D. Rhodes/ K. Guy	GROUND WATER (ft)
BORING NO.: B-734	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -0.6 ft (NAVD88)	NORTHING: 395,833 US ft (NAD83/90)	EASTING: 875,546 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 130.0 ft	CASING DEPTH: 4" to 39.6', 3" to 113.5'	HAMMER (ID): 140 lb. Auto (MEC-12)	
DATE STARTED: 3/26/08	COMPLETED: 4/4/08	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) %		
			0:24 0:39 0:38 N=30			734-12				Continued from previous page
-107.2	106.6									LIMESTONE, boundstone, white (2.5YR8/1), hard, indurated, trace recrystallized calcite (Lower Fort Thompson Formation) (continued)
										106.6ft: Switch sampling method to SPT
-108.7	108.1	3.5	0:58 0:33 0:47	(2.4) 69%	(2.0) 57%	RUN-17				106.6ft: soft, friable to moderately indurated
-112.2	111.6									108.1ft: Switch sampling method to coring
		5.0	0:09/0.5 0:39 0:18 0:29 0:19	(0.6) 12%	(0.0) 0%	RUN18	(0.0) 0%	(NA)		108.1ft: moderately hard, moderately indurated to indurated, little sand
										111.6ft: hard, indurated, few shell molds
-117.2	116.6									Silty SAND (SM), light gray (2.5Y7/2), medium dense, wet, fine grained sand with lenses of very soft, moderately indurated limestone (Tamiami Formation)
										116.6
										Coring Terminated at Elevation -117.2

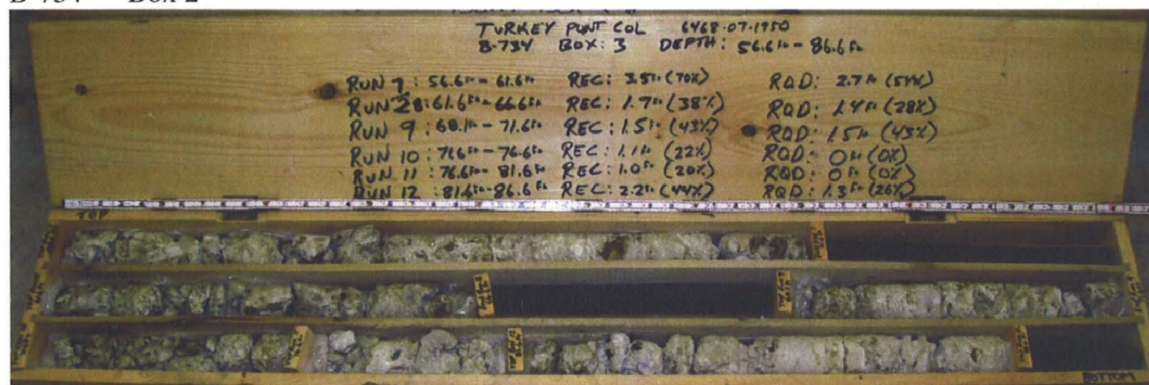
TURKEY POINT COL CORE TURKEY POINT GPJ TURKEY POINT COL.GDT 5:30:08



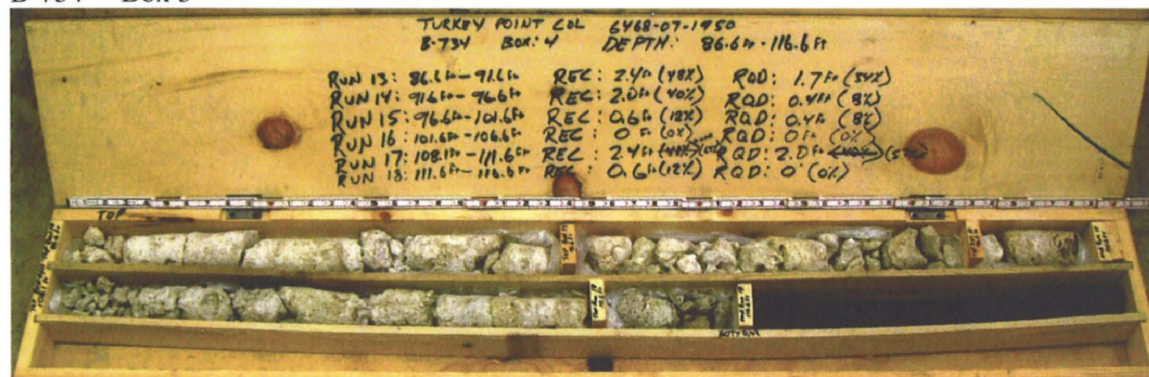
B-734 – Box 1



B-734 – Box 2



B-734 – Box 3



B-734 – Box 4



GEOTECHNICAL BORING LOG

Prepared By JP 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: O. Rodriguez			
SITE DESCRIPTION: Turkey Point COL					DRILL MACHINE: CME-45C (RAL)					DRILLER: D. Rhodes/ K. Guy					GROUND WATER (ft)	
BORING NO.: B-735					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core					0 HR. NA	
GROUND ELEV.: -0.8 ft (NAVD88)					NORTHING: 395,825 US ft (NAD83/90)					EASTING: 875,689 US ft (NAD83/90)					24 HR. NA	
TOTAL DEPTH: 128.0 ft			BORING DIAMETER: 4" to 29.1', 3" to 128.0'					CASING DEPTH: 4" to 29.1', 3" to 118.6'					HAMMER (ID): 140 lb. Auto (MEC-12)			
DATE STARTED: 3/20/08			COMPLETED: 3/25/08			CORE SIZE: HQ3			BITS USED: 2 15/16" 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						
-0.8					Ground Surface											
-0.8	0.0	WOH	WOH	WOH	0									0.0ft: MUCK - no recovery		
-3.2	2.4				2											
-5.7	4.9	WOH	WOH	2										Field notes do not indicate that sample 735-2 was split into separate jars		
														2.4ft: MUCK, black (7.5YR2.5/1), very soft, wet, organics		
-8.3	7.5	24	37	25										LIMESTONE, boundstone, white (2.5Y8/1), very soft, wet (Miami Formation)		
														4.9ft: hard, strong HCl reaction, trace fine grained sand, oolitic		
-10.8	10.0	4	5	5										7.5ft: very soft, friable		
-13.1	12.3	3	6	8										12.3ft: soft, moderately indurated		
-15.6	14.8	18	11	11												
-18.7	17.9	18	12	11										17.9ft: very soft		
		5	2	1												
-23.3	22.5															
		4	8	3												
-28.1	27.3															
-29.8	29.0	7	35	25										LIMESTONE, boundstone, white (2.5Y8/1), moderately hard, wet, strong HCl reaction, trace to few fine grained sand (Upper Fort Thompson Formation)		
-31.0	30.2	3	3	50/0.2										29.0ft: hard		
-32.5	31.7													30.2ft: Switch sampling method to coring		
														30.2ft: moderately hard, moderately indurated, few to little vugs, fossiliferous		
-37.5	36.7													31.7ft: hard, indurated, coralline, recrystallized calcite		
														36.7ft: white (2.5Y8/1), to pale yellow (2.5Y8/4), hard to moderately hard, indurated, few vugs		
-42.5	41.7													41.7ft: hard		
-47.5	46.7															
														46.7ft: gray (10YR6/1)		
-52.5	51.7															
														LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, fossiliferous (Lower Fort Thompson Formation)		
-57.5	56.7													51.7ft: little vugs, trace to few shell molds and casts, trace sand		
-62.5	61.7															
-67.5	66.7													66.7 to 71.7ft: indurated to moderately indurated, few vugs, possible interbedded sand layers; based on recovery and drilling rates		
-72.5	71.7															
-74.5	73.7															

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: O. Rodriguez					
SITE DESCRIPTION: Turkey Point COL			DRILL MACHINE: CME-45C (RAL)			DRILLER: D. Rhodes/ K. Guy			GROUND WATER (ft)					
BORING NO.: B-735			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA					
GROUND ELEV.: -0.8 ft (NAVD88)			NORTHING: 395,825 US ft (NAD83/90)			EASTING: 875,689 US ft (NAD83/90)			24 HR. NA					
TOTAL DEPTH: 128.0 ft			BORING DIAMETER: 4" to 29.1', 3" to 128.0'			CASING DEPTH: 4" to 29.1', 3" to 118.6'			HAMMER (ID):140 lb. Auto (MEC-12)					
DATE STARTED: 3/20/08			COMPLETED: 3/25/08			CORE SIZE: HQ3			BITS USED: 2 15/16" 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				
-75.6					Continued from previous page									
-76.2	75.4													
-77.3	76.5												73.7: little vugs, few to little sand LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, fossiliferous (Lower Fort Thompson Formation) (continued) 75.4ft: moderately hard 76.5 to 113.0ft: possible interbedded sand layers; based on recovery and drilling rates	
-82.3	81.5													
-87.3	86.5													
-92.3	91.5													
-97.3	96.5													
-102.3	101.5												101.5ft: few shell molds and casts	
-107.3	106.5												106.5ft: trace shell molds and casts	
-112.3	111.5												111.5ft: little vugs	
-118.1	117.3	3	8	13									POORLY GRADED SAND with silt (SP-SM), white (2.5Y8/1), medium dense, wet, strong HCl reaction, fine to coarse grained sand, cemented sand fragments, trace shell fragments (Tamiami Formation)	
-127.3	126.5	20	21	18									Silty SAND (SM), greenish gray (10Y6/1), dense, wet, strong HCl reaction	
													Boring Terminated at Elevation -128.8 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: O. Rodriguez			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-45C (RAL)				DRILLER: D. Rhodes/ K. Guy				GROUND WATER (ft)	
BORING NO.: B-735				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -0.8 ft (NAVD88)				NORTHING: 395,825 US ft (NAD83/90)				EASTING: 875,689 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 128.0 ft				CASING DEPTH: 4" to 29.1', 3" to 118.6'						HAMMER (ID): 140 lb. Auto (MEC-12)			
DATE STARTED: 3/20/08		COMPLETED: 3/25/08		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 @ 30.2 ft			
-31.0	30.2	1.5	2:12	(1.5)	(1.1)	RUN-1	(18.3)	(15.0)		LIMESTONE, boundstone, white (2.5Y8/1), moderately hard, wet, strong HCl reaction, trace to few fine grained sand (Upper Fort Thompson Formation) (continued) 30.2ft: moderately hard, moderately indurated, few to little vugs, fossiliferous 31.7ft: hard, indurated, coralline, recrystallized calcite			
-32.5	31.7	5.0	0:33/0.5	100%	73%	RUN-2	100%	82%					
			2:19	(5.0)	(4.7)					36.7ft: white (2.5Y8/1), to pale yellow (2.5Y8/4), hard to moderately hard, indurated, few vugs			
			2:16	100%	94%								
-37.5	36.7	5.0	2:22	(5.0)	(4.6)	RUN-3				41.7ft: hard			
			2:06	100%	92%								
			1:46							46.7ft: gray (10YR6/1)			
-42.5	41.7	5.0	1:04	(5.0)	(3.3)	RUN-4							
			1:10	100%	66%					48.5			
			2:11										
			2:13							LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, fossiliferous (Lower Fort Thompson Formation)			
-47.5	46.7	5.0	1:54	(5.0)	(4.3)	RUN-5							
			2:08	100%	86%					51.7ft: little vugs, trace to few shell molds and casts, trace sand			
			1:58										
-52.5	51.7	5.0	1:55	(3.7)	(2.6)	RUN-6	(23.7)	(10.9)		66.7 to 71.7ft: indurated to moderately indurated, few vugs, possible interbedded sand layers; based on recovery and drilling rates			
			2:06	74%	52%		37%	17%					
			1:58							73.7: little vugs, few to little sand			
-57.5	56.7	5.0	1:10	(3.4)	(2.0)	RUN-7							
			1:22	68%	40%					75.4ft: moderately hard			
			1:13										
			1:44							76.5 to 113.0ft: possible interbedded sand layers; based on recovery and drilling rates			
-62.5	61.7	5.0	0:58	(3.4)	(1.9)	RUN-8							
			1:02	68%	38%					101.5ft: few shell molds and casts			
			0:47										
			0:40										
-67.5	66.7	5.0	0:59	(1.4)	(0.5)	RUN-9							
			0:52	28%	10%								
			0:54										
			0:48										
-72.5	71.7	2.0	1:16	(1.7)	(0.9)	RUN-10							
			1:33	85%	45%								
-74.5	73.7	1.7	1:42	(1.4)	(0.0)	RUN-11							
			5:36/0.7	82%	0%								
-76.2	75.4	1.1	1:04	(0.2)	(0.0)	RUN-12							
-77.3	76.5	5.0	10:00/0.1	18%	0%	RUN-13							
			1:22	(0.6)	(0.0)								
			2:57										
-82.3	81.5	5.0	2:11	(0.3)	(0.0)	RUN-14							
			1:12	6%	0%								
			2:12										
-87.3	86.5	5.0	0:54	(0.2)	(0.0)	RUN-15							
			0:26	4%	0%								
			0:07										
			0:13										
-92.3	91.5	5.0	1:19	(0.0)	(0.0)	RUN-16							
			1:42	0%	0%								
			0:33										
			0:29										
-97.3	96.5	5.0	0:46	(0.6)	(0.0)	RUN-17							
			2:07	12%	0%								
			0:57										
			0:42										
-102.3	101.5	5.0	0:18	(1.4)	(0.0)	RUN-18							
			0:35	28%	0%								
			0:52										
			0:50										
			0:49										
			0:53										
			1:04										

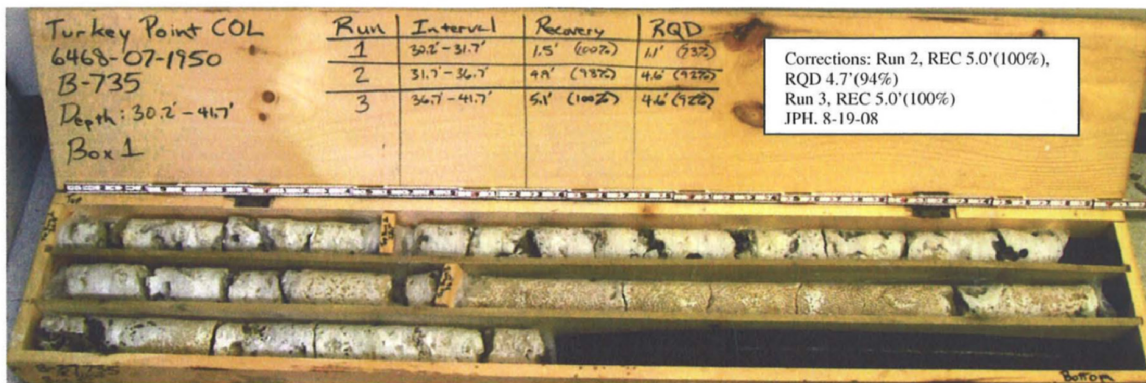
TURKEY POINT COL CORE, TURKEY POINT, GPJ, TURKEY POINT COL, GDT, 5/30/08



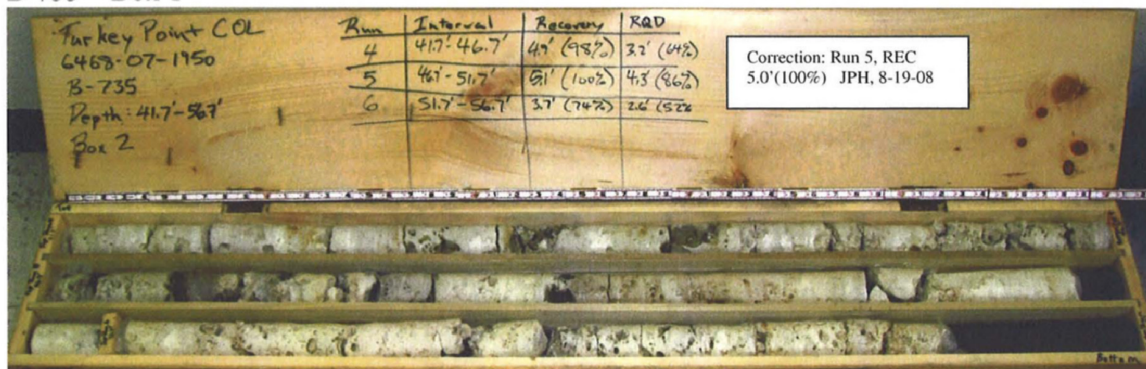
SHEET 2 OF 2

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. Rhodes/ K. Guy			GROUND WATER (ft)	
BORING NO.: B-735				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core			0 HR.	NA
GROUND ELEV.: -0.8 ft (NAVD88)				NORTHING: 395,825 US ft (NAD83/90)				EASTING: 875,689 US ft (NAD83/90)			24 HR.	NA
TOTAL DEPTH: 128.0 ft				CASING DEPTH: 4" to 29.1', 3" to 118.6'						HAMMER (ID): 140 lb. Auto (MEC-12)		
DATE STARTED: 3/20/08		COMPLETED: 3/25/08		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
-107.3	106.5	5.0	1:15 0:40	(1.3)	(0.0)	RUN-19						LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, fossiliferous (Lower Fort Thompson Formation) (continued) 106.5ft: trace shell molds and casts
-112.3	111.5	5.0	0:11 0:57 0:36 1:09 1:05	(2.1)	(0.0)	RUN-20						111.5ft: little vugs
-117.3	116.5		0:30 0:34 0:33 0:34 0:35	42%	0%		(1.2) 34%	(NA)				POORLY GRADED SAND with silt (SP-SM), white (2.5Y8/1), medium dense, wet, strong HCl reaction, fine to coarse grained sand, cemented sand fragments, trace shell fragments (Tamiami Formation) Coring Terminated at Elevation -117.3
									</			

TURKEY POINT COL CORE: TURKEY POINT.GPJ TURKEY POINT COL.GDT 5.30/08



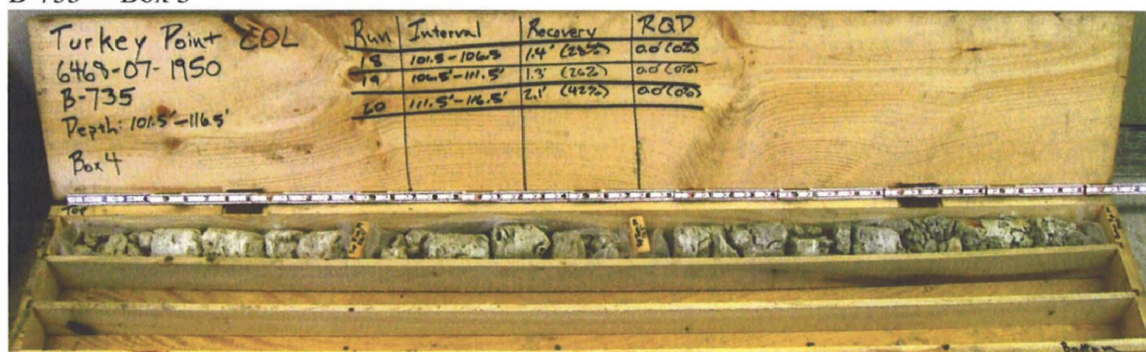
B-735 - Box 1



B-735 - Box 2



B-735 - Box 3



B-735 - Box 4



SHEET 2 OF 2

BECHTEL PROJECT NO.: 25409			MACTEC PROJECT NO.: 6468-07-1950			COUNTY: Miami-Dade			GEOLOGIST: S. Lehman				
SITE DESCRIPTION: Turkey Point COL			DRILL MACHINE: CME-45C (RAL)			DRILLER: D. Rhodes/ N. Vasquez			GROUND WATER (ft)				
BORING NO.: B-736			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA				
GROUND ELEV.: -0.5 ft (NAVD88)			NORTHING: 395,809 US ft (NAD83/90)			EASTING: 876,107 US ft (NAD83/90)			24 HR. NA				
TOTAL DEPTH: 125.0 ft			BORING DIAMETER: 4" to 24.8", 3" to 125.0'			CASING DEPTH: 4" to 24.8", 3" to 113.3'			HAMMER (ID): 140 lb. Auto (MEC-12)				
DATE STARTED: 4/5/08			COMPLETED: 4/8/08			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			
-75.3					Continued from previous page								
-77.6	77.1										RUN-10		LIMESTONE, boundstone, white (2.5Y8/1), moderately hard to hard, moderately indurated to indurated, few vugs, recrystallized calcite, trace to few shell molds and casts (Lower Fort Thompson Formation) (continued) 77.1ft: moderately hard to hard, moderately indurated to indurated, trace coarse grained sand
-82.6	82.1										RUN-11		
-87.6	87.1										RUN-12		87.1ft: hard, indurated
-92.6	92.1										RUN-13		92.1ft: moderately indurated to indurated, little medium to coarse sand, possible interbedded sand layers; based on recovery and drilling rates
-97.6	97.1										RUN-14		97.1ft: medium hard to hard, few shell molds and casts
-102.6	102.1										RUN-15		102.1ft: hard, indurated, little shell molds and casts
-107.6	107.1										RUN-16		107.1ft: possible interbedded sand layers; based on recovery and drilling rates
-112.6	112.1										RUN-17		112.1ft: soft to moderately hard, friable to moderately indurated, little sand
-117.6	117.1	14	8	5							736-11		POORLY GRADED SAND (SP-SM), light gray (5Y7/2), medium dense, wet, fine grained sand, weak HCl reaction, fragments of cemented sand (Tamiami Formation) 117.1ft: Switch sampling method to SPT
-124.0	123.5	5	8	7							736-12		114.5
													125.0
Boring Terminated at Elevation -125.5 ft.													

TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL GDT 8/9/08



SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: S. Lehman
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-45C (RAL)	DRILLER: D. Rhodes/ N. Vasquez	GROUND WATER (ft)
BORING NO.: B-736	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -0.5 ft (NAVD88)	NORTHING: 395,809 US ft (NAD83/90)	EASTING: 876,107 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 125.0 ft	CASING DEPTH: 4" to 24.8', 3" to 113.3'	HAMMER (ID): 140 lb. Auto (MEC-12)	
DATE STARTED: 4/5/08	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) %	L O G	DESCRIPTION AND REMARKS
										Begin Coring @ 33.6 ft
-34.1	33.6	3.5	0:52 0:46 0:25	(0.6) 17%	(0.0) 0%	RUN-1	(6.8) 50%	(3.1) 23%		LIMESTONE, boundstone, white (2.5Y8/1), medium hard, indurated (Upper Fort Thompson Formation) <i>(continued)</i> 33.6ft: little vugs
-37.6	37.1	5.0	0:34/0.5 1:40 1:22	(2.0) 40%	(0.0) 0%	RUN-2				
-42.6	42.1	5.0	0:56 0:59 0:37	(4.2) 84%	(3.1) 62%	RUN-3				42.1ft: few vugs, recrystallized calcite
-47.6	47.1	5.0	1:20 1:41 2:01 2:06 2:32	(5.0) 100%	(4.7) 94%	RUN-4	(42.9) 64%	(34.9) 52%	-47.6	LIMESTONE, boundstone, white (2.5Y8/1), moderately hard to hard, moderately indurated to indurated, few vugs, recrystallized calcite, trace to few shell molds and casts (Lower Fort Thompson Formation)
-52.6	52.1	5.0	1:12 1:02 1:09	(5.0) 100%	(5.0) 100%	RUN-5				52.1ft: medium hard to hard
-57.6	57.1	5.0	0:59 0:50 1:39 1:27 1:37	(4.4) 88%	(4.1) 82%	RUN-6				57.1ft: moderately hard, trace vugs
-62.6	62.1	5.0	0:48 0:56 0:34 1:09 1:32	(1.9) 38%	(0.9) 18%	RUN-7				62.1ft: few to little shell molds and casts
-67.6	67.1	5.0	0:58 0:49 0:50 0:51 0:23	(3.3) 66%	(3.0) 60%	RUN-8				67.1ft: moderately hard to hard, moderately indurated to indurated, trace shell molds and casts
-72.6	72.1	5.0	0:38 0:42 2:06 1:35 1:54	(4.0) 80%	(3.8) 76%	RUN-9				72.1ft: moderately hard, moderately indurated, trace vugs, fossiliferous
-77.6	77.1	5.0	0:54 1:06 0:54 1:27 0:52	(3.5) 70%	(3.5) 70%	RUN-10				77.1ft: moderately hard to hard, moderately indurated to indurated, trace coarse grained sand
-82.6	82.1	5.0	0:52 1:16	(2.9) 58%	(1.8) 36%	RUN-11				
-87.6	87.1	5.0	0:46 1:06 0:45 0:54 2:01	(1.6) 32%	(1.1) 22%	RUN-12				87.1ft: hard, indurated
-92.6	92.1	5.0	1:38 1:40 1:39 2:04 3:34	(1.8) 36%	(1.0) 20%	RUN-13				92.1ft: moderately indurated to indurated, little medium to coarse sand, possible interbedded sand layers; based on recovery and drilling rates
-97.6	97.1	5.0	0:26 0:42 0:34 0:12 0:34	(3.4) 68%	(2.1) 42%	RUN-14				97.1ft: medium hard to hard, few shell molds and casts
-102.6	102.1	5.0	0:54 1:26 1:14 1:30 1:54	(3.9) 78%	(3.9) 78%	RUN-15				102.1ft: hard, indurated, little shell molds and casts
-107.6	107.1	5.0	0:55 0:47 0:38 1:02 1:12	(1.3) (0.0)		RUN-16				107.1ft: possible interbedded sand layers; based on recovery and drilling rates

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