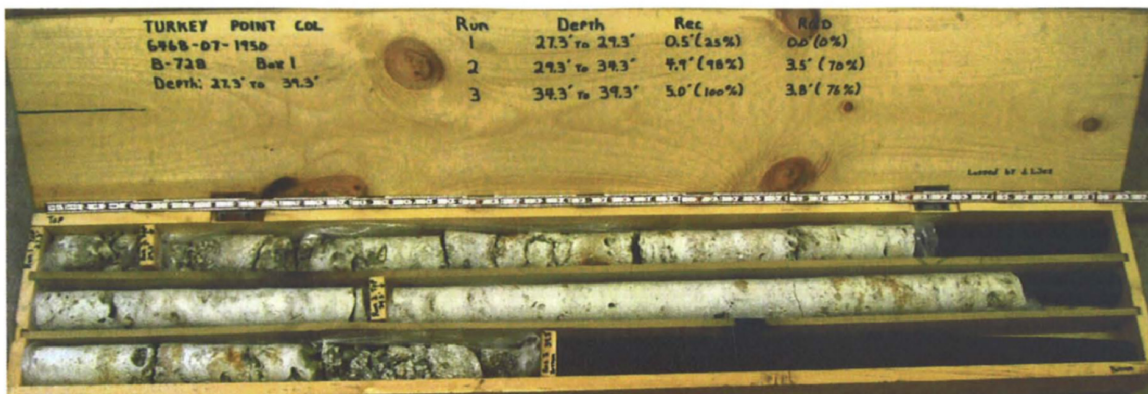
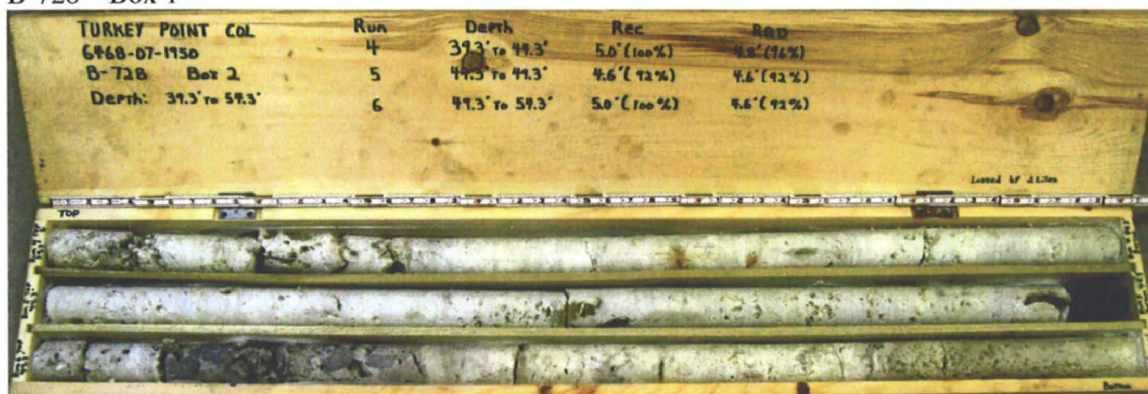




B-728 - Box 1



B-728 - Box 2



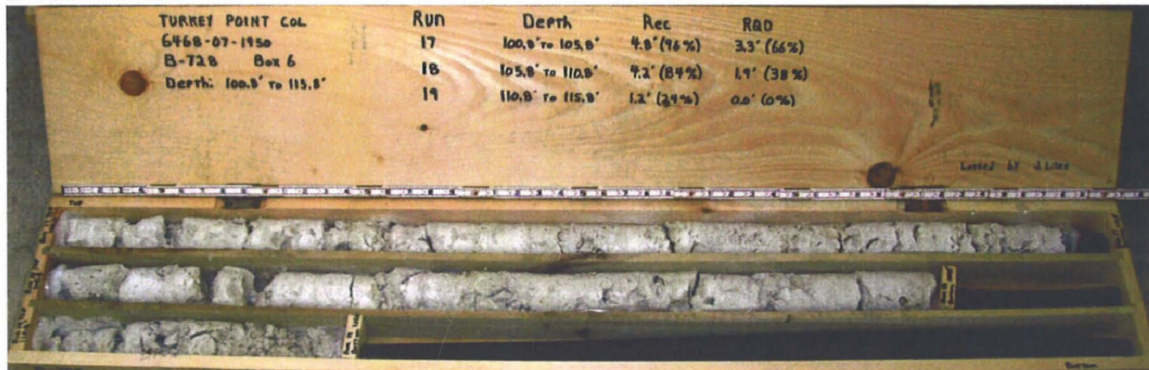
B-728 - Box 3



B-728 - Box 4



B-728 - Box 5



B-728 - Box 6



GEOTECHNICAL BORING LOG

Prepared By PPA Date 5-3-08
Checked By PPA Date 5-3-08

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-729		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA							
GROUND ELEV.: -1.2 ft (NAVD88)		NORTHING: 396,971 US ft (NAD83/90)		EASTING: 875,493 US ft (NAD83/90)		24 HR. NA							
TOTAL DEPTH: 100.9 ft		BORING DIAMETER: 4" to 30.0', 3" to 100.9'		CASING DEPTH: 4" to 30.0'		HAMMER (ID): 140 lb. Auto (M06)							
DATE STARTED: 3/7/08		COMPLETED: 3/11/08		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			
-1.2	0.0	WOH	WOH	WOH	Ground Surface					729-1		-1.2	0.0
-3.7	2.5	WOH	4	4	SEE LEGEND FOR ROCK HARDNESS CRITERIA BASED ON SPT DATA					729-2A/B		-4.5	3.3
-6.2	5.0	2	7	10						729-3			
-8.5	7.3	2	12	5						729-4			
-10.7	9.5	2	5	8						729-5			
-13.2	12.0	2	11	12						729-6		12.0ft: soft	
-15.8	14.6	2	14	28						729-7		14.6ft: medium hard	
-21.5	20.3	3	5	11						729-8		20.3ft: very soft	
-26.3	25.1	3	8	12						729-9		-25.2	24.0
-32.5	31.3	17	50/0.1							729-10		LIMESTONE, boundstone, white (2.5Y7/1), very soft, wet, strong HCl reaction, trace coral (Upper Fort Thompson Formation)	
-33.1	31.9									RUN-1		31.3ft: hard 31.9ft: Switch sampling method to coring 31.9ft: white (2.5Y8/1), hard, indurated, strong HCl reaction, little vugs, coralline	
-37.1	35.9									RUN-2		35.9ft: recrystallized calcite	
-42.1	40.9									RUN-3		40.9ft: very hard, extremely indurated	
-47.1	45.9									RUN-4		45.9ft: white (2.5Y8/1) to 48.1ft, then light gray (10YR7/1) to 50.9 ft, some vugs	
-52.1	50.9									RUN-5		-52.1	50.9
-57.1	55.9									RUN-6		LIMESTONE, boundstone, white (2.5Y8/1), very hard, extremely indurated, little vugs, trace recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation)	
-62.1	60.9									RUN-7		55.9ft: moderately hard, moderately indurated	
-67.1	65.9									RUN-8		65.9 to 70.1ft: medium hard 70.1ft: hard, indurated, some vugs	
-72.1	70.9									RUN-9			

TURKEY POINT COL BORE, TURKEY POINT GP, TURKEY POINT COL GDF 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-729			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA						
GROUND ELEV.: -1.2 ft (NAVD88)			NORTHING: 396,971 US ft (NAD83/90)			EASTING: 875,493 US ft (NAD83/90)			24 HR. NA						
TOTAL DEPTH: 100.9 ft			BORING DIAMETER: 4" to 30.0', 3" to 100.9'			CASING DEPTH: 4" to 30.0'			HAMMER (ID): 140 lb. Auto (M06)						
DATE STARTED: 3/7/08			COMPLETED: 3/11/08			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				
-76.0		Continued from previous page													
-77.1	75.9											RUN-10	LIMESTONE, boundstone, white (2.5Y8/1), very hard, extremely indurated, little vugs, trace recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation) <i>(continued)</i> 75.9ft: few vugs 80.9ft: moderately hard, moderately indurated, fossiliferous 85.9ft: some vugs 91.9ft: medium hard, sandy		
-82.1	80.9											RUN-11			
-87.1	85.9											RUN-12			
-92.1	90.9											RUN-13			
-97.1	95.9											RUN-14			
													-102.1	100.9	Boring Terminated at Elevation -102.1 ft

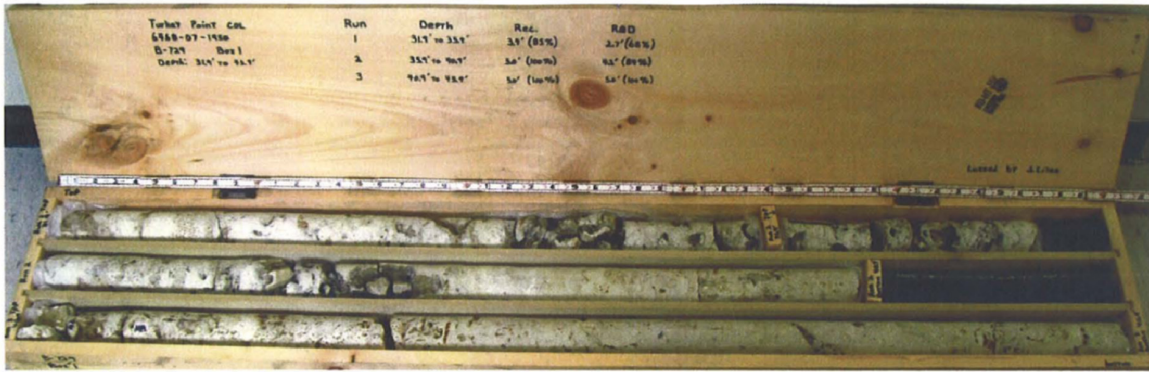
TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL.GDT 5:30/08



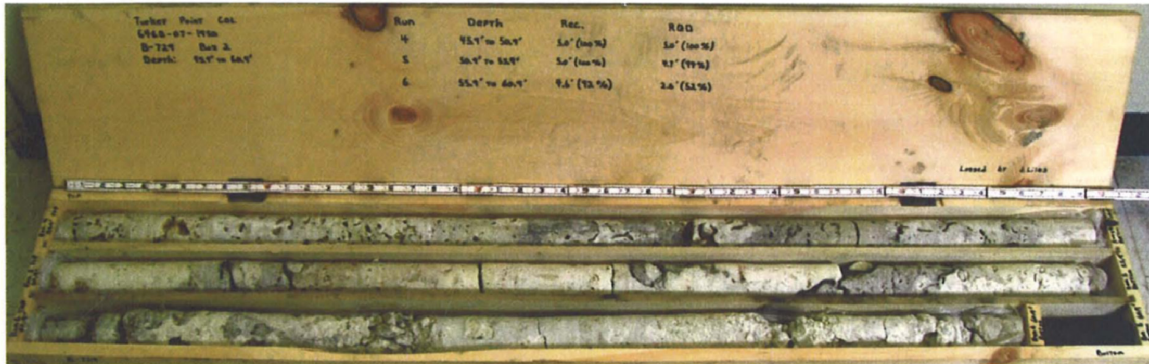
SHEET 1 OF 1

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade		GEOLOGIST: J. Liles			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550 (Miller)				DRILLER: R. White/ J. Dugger/ C. White				GROUND WATER (ft)	
BORING NO.: B-729				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.2 ft (NAVD88)				NORTHING: 396,971 US ft (NAD83/90)				EASTING: 875,493 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 100.9 ft				CASING DEPTH: 4" to 30.0'						HAMMER (ID): 140 lb. Auto (M06)			
DATE STARTED: 3/7/08		COMPLETED: 3/11/08		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 @ 31.9 ft	
-33.1	31.9	4.0	1:47 1:03 1:00 0:59	(3.4) 85%	(2.7) 68%	RUN-1	(18.4) 97%	(16.9) 89%				LIMESTONE, boundstone, white (2.5Y7/1), very soft, wet, strong HCl reaction, trace coral (Upper Fort Thompson Formation) (continued)	
-37.1	35.9											31.9ft: white (2.5Y8/1), hard, indurated, strong HCl reaction, little vugs, coralline	
		5.0	0:50 0:45 1:17 1:37 1:53	(5.0) 100%	(4.2) 84%	RUN-2						35.9ft: recrystallized calcite	
-42.1	40.9												
		5.0	1:36 1:29 2:18 1:46 1:52	(5.0) 100%	(5.0) 100%	RUN-3						40.9ft: very hard, extremely indurated	
-47.1	45.9												
		5.0	1:34 1:27 2:04 1:32 1:39	(5.0) 100%	(5.0) 100%	RUN-4						45.9ft: white (2.5Y8/1) to 48.1ft, then light gray (10YR7/1) to 50.9 ft, some vugs	
-52.1	50.9												
		5.0	1:40 1:21 0:45 0:51 0:43	(5.0) 100%	(4.7) 94%	RUN-5	(36.8) 74%	(20.4) 41%				LIMESTONE, boundstone, white (2.5Y8/1), very hard, extremely indurated, little vugs, trace recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation)	
-57.1	55.9												
		5.0	1:00 0:48 0:55 0:32 0:37	(4.6) 92%	(2.6) 52%	RUN-6						55.9ft: moderately hard, moderately indurated	
-62.1	60.9												
		5.0	1:16 0:40 0:26 0:48 0:43	(3.8) 76%	(1.8) 36%	RUN-7							
-67.1	65.9												
		5.0	0:28 0:13 0:05 0:11 0:16	(2.6) 52%	(0.8) 16%	RUN-8						65.9 to 70.1ft: medium hard 70.1ft: hard, indurated, some vugs	
-72.1	70.9												
		5.0	1:04 1:10 1:01 1:01 1:03	(4.9) 98%	(3.5) 70%	RUN-9							
-77.1	75.9												
		5.0	1:05 0:21 0:02 0:32 0:43	(3.6) 72%	(1.9) 38%	RUN-10						75.9ft: few vugs	
-82.1	80.9												
		5.0	0:14 0:10 0:12 0:21 0:29	(1.9) 38%	(0.0) 0%	RUN-11						80.9ft: moderately hard, moderately indurated, fossiliferous	
-87.1	85.9												
		5.0	0:26 0:27 0:25 1:25 1:16	(4.2) 84%	(2.4) 48%	RUN-12						85.9ft. some vugs	
-92.1	90.9												
		5.0	0:40 0:21 0:24 0:25 0:21	(4.3) 86%	(2.7) 54%	RUN-13						91.9ft: medium hard, sandy	
-97.1	95.9												
		5.0	0:21 0:15 0:20 0:19 0:12	(1.9) 38%	(0.0) 0%	RUN-14							
-102.1	100.9												
												Coring Terminated at Elevation -102.1	

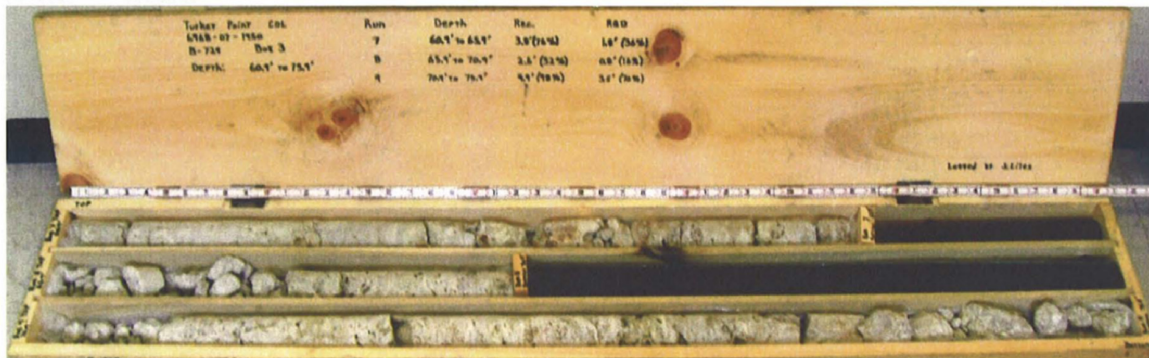
TURKEY POINT COL CORE TURKEY POINT GPT TURKEY POINT COL GDT 5/30/08



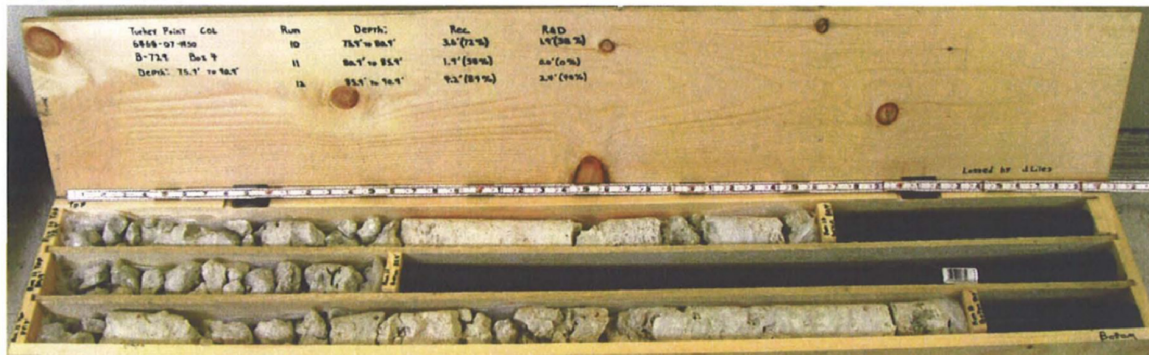
B-729 - Box 1



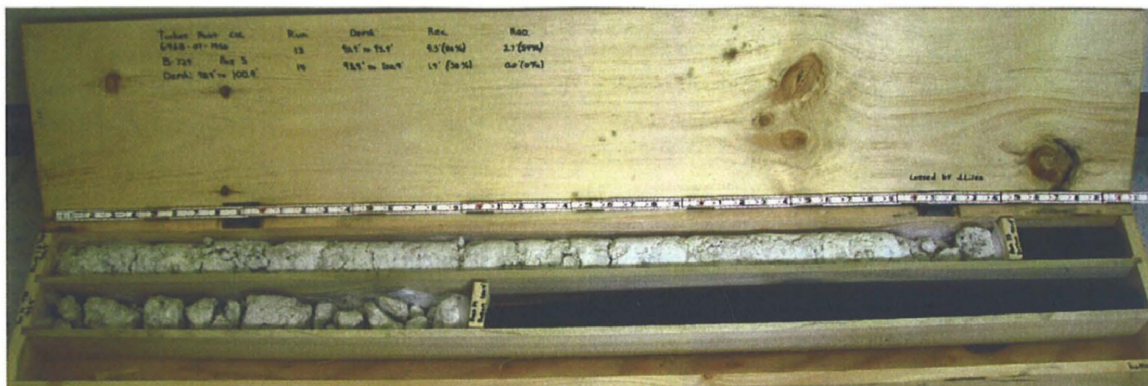
B-729 - Box 2



B-729 - Box 3



B-729 - Box 4



B-729 - Box 5



GEOTECHNICAL BORING LOG

Prepared By 2002 Date 5-30-08
Checked By PPM Date 5-30-08

SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409					MACTEC PROJECT NO.: 6468-07-1950					COUNTY: Miami-Dade			GEOLOGIST: L. Bisson				
SITE DESCRIPTION: Turkey Point COL					DRILL MACHINE: CME-550 (ATL)					DRILLER: L. Carter/ J. Landeros					GROUND WATER (ft)		
BORING NO.: B-730					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core					0 HR. NA		
GROUND ELEV.: -1.0 ft (NAVD88)					NORTHING: 396,868 US ft (NAD83/90)					EASTING: 875,621 US ft (NAD83/90)					24 HR. NA		
TOTAL DEPTH: 103.2 ft			BORING DIAMETER: 4" to 20.0', 3" to 103.2'					CASING DEPTH: 4" to 20.0'					HAMMER (ID): 140 lb. Auto (MEC-03)				
DATE STARTED: 2/9/08			COMPLETED: 2/11/08			CORE SIZE: HQ3			BITS USED: 4 1/4" & 3 7/8" Drag Bit								
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	L O G	SOIL AND ROCK DESCRIPTION				
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100							
-1.0					Ground Surface												
-1.0	0.0	WOH	WOH	WOH	• 0						730-1				-1.0 0.0		
-2.5	1.5	WOR	WOH	WOH	• 0						730-2						
-4.9	3.9				• 16						730-3				-5.0 4.0		
-7.0	6.0	6	6	10	• 12						730-4						
-9.6	8.6	4	5	7	• 10						730-5						
-12.0	11.0	6	4	6	• 17						730-6						
-14.4	13.4	5	5	12	• 27						730-7						
-20.6	19.6	5	17	10	• 30						730-8						
-25.6	24.6	23	21	9							730-9				-25.0 24.0		
-26.5	25.5	14	50/0.4							84/0.9	RUN-1						
-29.1	28.1										RUN-2						
-34.0	33.0										RUN-3						
-38.3	37.3										RUN-4						
-39.1	38.1										RUN-5						
-44.1	43.1										RUN-6						
-49.1	48.1										RUN-7				-49.8 48.8		
-54.2	53.2										RUN-8						
-59.2	58.2										RUN-9						
-60.6	59.6										RUN-10						
-64.2	63.2										RUN-11						
-69.2	68.2										RUN-12						
-71.0	70.0										RUN-13						
-74.2	73.2										RUN-14						

TURKEY POINT COL BORE TURKEY POINT GP1 TURKEY POINT COL GDT 530 08



SHEET 2 OF 2

BECHTEL PROJECT NO.: 25409			MACTEC PROJECT NO.: 6468-07-1950			COUNTY: Miami-Dade			GEOLOGIST: L. Bisson							
SITE DESCRIPTION: Turkey Point COL			DRILL MACHINE: CME-550 (ATL)			DRILLER: L. Carter/ J. Landeros			GROUND WATER (ft)							
BORING NO.: B-730			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA							
GROUND ELEV.: -1.0 ft (NAVD88)			NORTHING: 396,868 US ft (NAD83/90)			EASTING: 875,621 US ft (NAD83/90)			24 HR. NA							
TOTAL DEPTH: 103.2 ft			BORING DIAMETER: 4" to 20.0', 3" to 103.2'			CASING DEPTH: 4" to 20.0'			HAMMER (ID): 140 lb. Auto (MEC-03)							
DATE STARTED: 2/9/08			COMPLETED: 2/11/08			CORE SIZE: HQ3			BITS USED: 4 1/4" & 3 7/8" Drag Bit							
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											
-79.2	78.2										RUN-15			gas flow was detected at boring. 73.2ft: sandy LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, fossiliferous, trace recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation) (continued) 78.2ft: shell molds		
-84.2	83.2										RUN-16					
-89.2	88.2										RUN-17					
-94.2	93.2										RUN-18					
-99.2	98.2										RUN-19					
														98.2ft: medium hard, moderately indurated		
														-104.2	103.2	Boring Terminated at Elevation -104.2 ft

TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL GDT 530008



SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade		GEOLOGIST: L. Bisson			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550 (ATL)				DRILLER: L. Carter/ J. Landeros				GROUND WATER (ft)	
BORING NO.: B-730				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.0 ft (NAVD88)				NORTHING: 396,868 US ft (NAD83/90)				EASTING: 875,621		US ft (NAD83/90)		24 HR. NA	
TOTAL DEPTH: 103.2 ft				CASING DEPTH: 4" to 20.0'						HAMMER (ID): 140 lb. Auto (MEC-03)			
DATE STARTED: 2/9/08		COMPLETED: 2/11/08		CORE SIZE: HQ3		CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)							
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC (ft) %		RQD (ft) %	SAMP. NO.	STRATA REC (ft) %		RQD (ft) %	L O G	DESCRIPTION AND REMARKS	
												Begin Coring @ 25.5 ft	
-26.5	25.5	2.6	0:47	(2.6)	(1.8)	RUN-1	(22.2)	(17.4)				LIMESTONE, boundstone, light gray (2.5Y7/1), hard, wet, strong HCl reaction, fossiliferous (Upper Fort Thompson Formation) (continued)	
-29.1	28.1		1:06	100%	69%		95%	75%				25.5ft: white (2.5Y8/1), hard, indurated, trace vugs, coralline	
		4.9	0:59/0.6	(4.7)	(3.4)	RUN-2						28.1ft: mottled pale yellow (2.5Y7/3), sand filled vugs	
			1:52	(4.7)	(3.4)								
			0:31	96%	69%								
-34.0	33.0		0:46										
		4.3	1:35	(4.3)	(3.4)	RUN-3						33.0ft: white (2.5Y8/1), to light brownish gray (2.5Y6/2), recrystallized calcite	
			1:55/0.9	(4.3)	(3.4)								
			1:19	100%	79%								
-38.3	37.3		0:47										
		0.8	0:04/0.3	(0.8)	(0.8)	RUN-4						37.3ft: light olive brown (2.5Y5/3)	
-39.1	38.1		0:56	(0.8)	(0.8)							38.1ft: light yellowish brown (2.5Y6/3)	
		5.0	0:54/0.8	100%	100%	RUN-5							
			0:36	(4.2)	(3.4)								
			1:19	84%	68%								
-44.1	43.1		1:38										
		5.0	1:28	(4.9)	(4.2)	RUN-6						43.1ft: light gray (2.5Y7/1) to 46.5ft, then gray (2.5Y5/1), recrystallized calcite in vugs, shell content increases with depth	
			1:19	98%	84%								
-49.1	48.1		1:02										
		5.1	1:03	(5.1)	(4.7)	RUN-7							
			1:24	100%	92%		(40.1)	(20.4)				48.1ft: light gray (5Y7/1) to 48.8ft	
-54.2	53.2		0:53	(5.1)	(4.7)		74%	38%				LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, fossiliferous, trace recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation)	
		5.0	0:41/1.1	(4.2)	(2.2)	RUN-8						53.2ft: trace vugs	
			0:45	(4.2)	(2.2)								
			0:32	84%	44%								
-59.2	58.2		1:02										
		1.4	0:18	(1.4)	(0.4)	RUN-9						58.2ft: medium hard	
-60.6	59.6		0:29	100%	29%							59.6ft: moderately hard	
		3.6	0:47/0.4	(3.6)	(2.5)	RUN-10							
			0:55/0.6	(3.6)	(2.5)								
-64.2	63.2		0:56	100%	69%								
		5.0	0:48	(2.4)	(0.4)	RUN-11						63.2ft: indurated	
			0:56	(2.4)	(0.4)								
			0:18	48%	8%								
-69.2	68.2		0:16										
		1.8	0:07	(1.0)	(0.0)	RUN-12						68.2ft: hard	
-71.0	70.0		0:08	56%	0%								
		3.2	3:33/0.8	(3.2)	(1.1)	RUN-13						70.0ft: Gas pocket encountered when retrieving inner barrel for Run 12. Drilling operations stopped and gas vented for approximately 0.5 hrs. Work resumed after no gas flow was detected at boring.	
-74.2	73.2		0:11/0.2	(3.2)	(1.1)							73.2ft: sandy	
		5.0	0:31	100%	34%								
			1:05	(4.6)	(4.0)	RUN-14							
			0:58	92%	80%								
-79.2	78.2		1:01										
		5.0	0:53	(4.9)	(1.1)	RUN-15						78.2ft: shell molds	
			0:34	98%	22%								
-84.2	83.2		0:26										
		5.0	0:39	(3.2)	(2.0)	RUN-16							
			0:47	64%	40%								
-89.2	88.2		0:14	(4.0)	(1.4)	RUN-17							
		5.0	0:05	80%	28%								
			0:21	(2.1)	(0.6)	RUN-18							
-94.2	93.2		0:23	42%	12%								
		5.0	0:08										
-99.2	98.2		0:08	(1.1)	(0.4)	RUN-19						98.2ft: medium hard, moderately indurated	
		5.0	0:35	22%	8%								
			0:11										
			0:18										
			0:13										
			0:20										
			0:16										
			1:49										

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

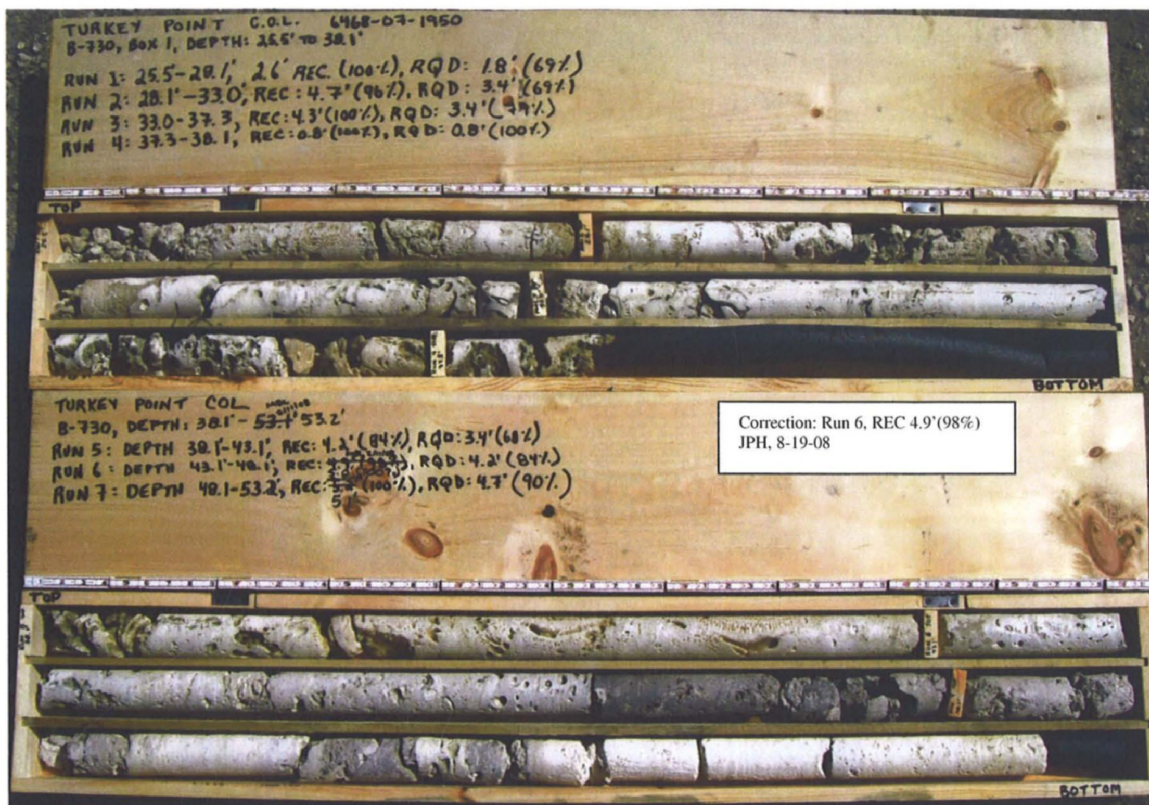


SHEET 2 OF 2

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: L. Bisson
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 (ATL)	DRILLER: L. Carter/ J. Landeros	GROUND WATER (ft)
BORING NO.: B-730	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.0 ft (NAVD88)	NORTHING: 396,868 US ft (NAD83/90)	EASTING: 875,621 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 103.2 ft	CASING DEPTH: 4" to 20.0'	HAMMER (ID): 140 lb. Auto (MEC-03)	
DATE STARTED: 2/9/08	COMPLETED: 2/11/08	CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

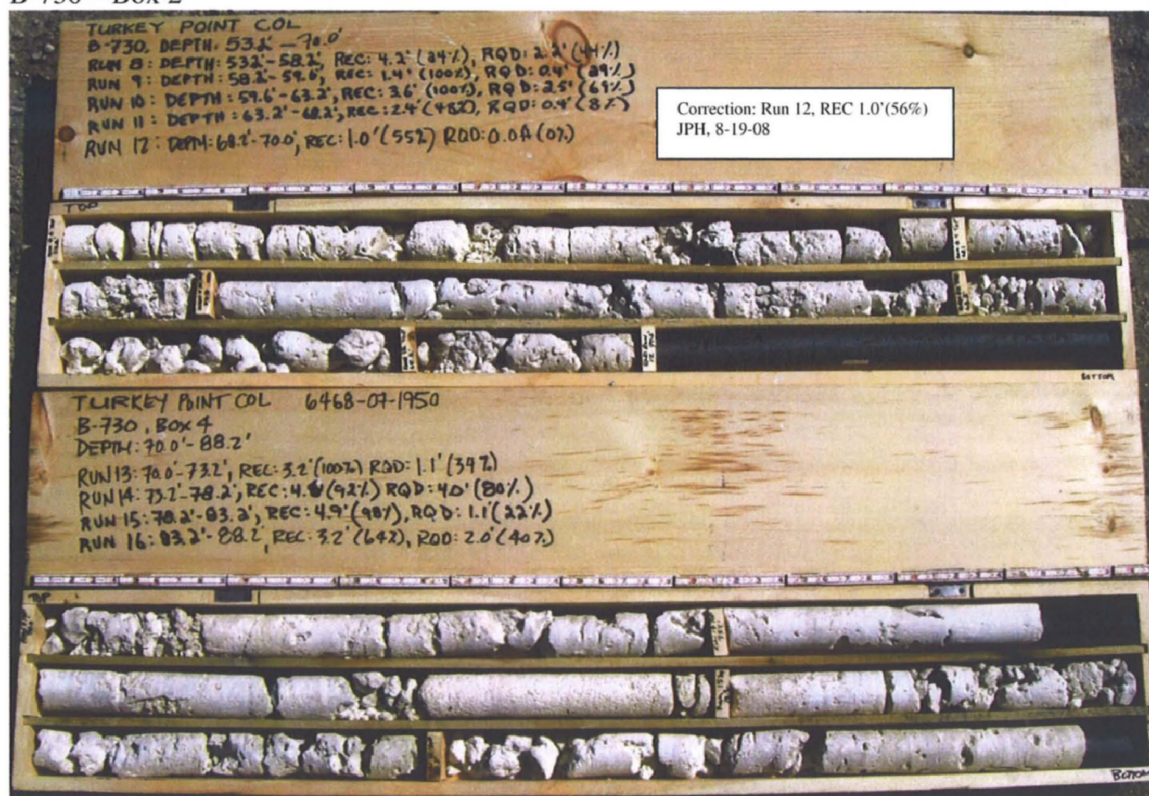
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		L O G	DESCRIPTION AND REMARKS
				REC. (ft) %	RQD (ft) %		REC. (ft) %	RQD (ft) %		
										Continued from previous page
-104.2	103.2		0.15 0.24 0.32							LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, fossiliferous, trace recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation) (continued) Coring Terminated at Elevation -104.2

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



B-730 - Box 1

B-730 - Box 2



B-730 - Box 3

B-730 - Box 4