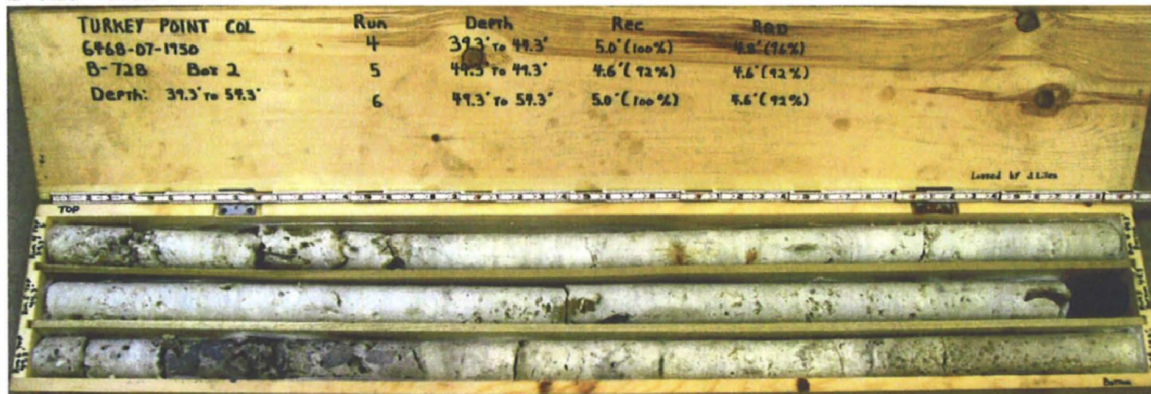
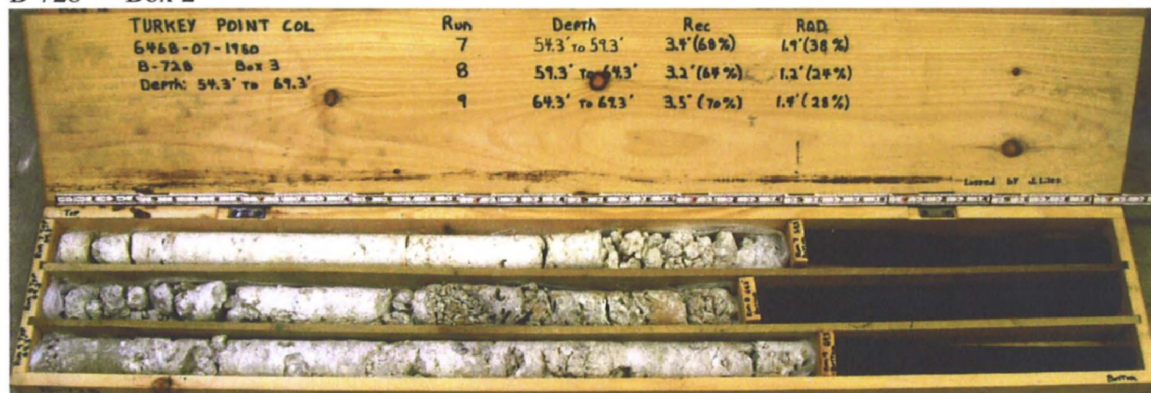


B-728 - Box 1



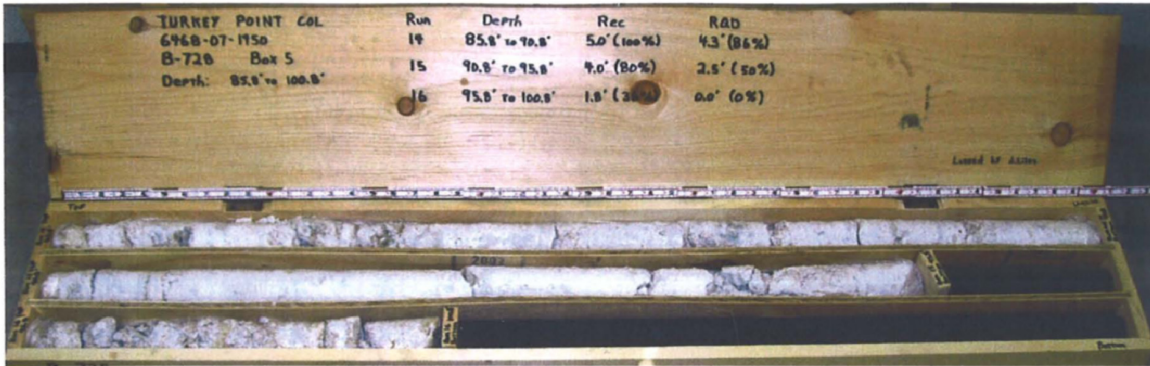
B-728 - Box 2



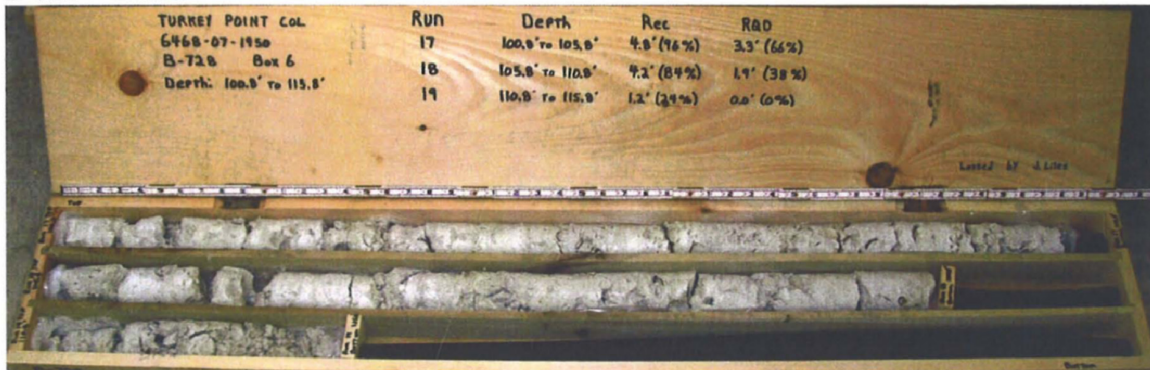
B-728 - Box 3



B-728 - Box 4



B-728 - Box 5



B-728 - Box 6





GEOTECHNICAL BORING LOG

Prepared By PPA Date 5-30-08

Checked By TM 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 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					Ground Surface								
-1.2	0.0	WOH	WOH	WOH									0.0
-3.7	2.5									729-1		MUCK, very dark gray (2.5Y3/2), very soft, wet, organics, strong HCl reaction, fibrous	
-6.2	5.0	WOH	4	4						729-2A/B		2.5ft: soft	3.3
-8.5	7.3	2	7	10						729-3		LIMESTONE, boundstone, light gray (2.5Y7/2), very soft, wet, strong HCl reaction (Miami Formation)	
-10.7	9.5	2	12	5						729-4		5.0ft: white (10YR7/1), oolitic	
-13.2	12.0	2	5	8						729-5			
-15.8	14.6	2	11	12						729-6		12.0ft: soft	
		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		LIMESTONE, boundstone, white (2.5Y7/1), very soft, wet, strong HCl reaction, trace coral (Upper Fort Thompson Formation)	24.0
-32.5	31.3									729-10		31.3ft: hard	
-33.1	31.9	17	50/0.1							RUN-1		31.9ft: Switch sampling method to coring	
										RUN-2		31.9ft: white (2.5Y8/1), hard, indurated, strong HCl reaction, little vugs, coralline	
-37.1	35.9									RUN-3		35.9ft: recrystallized calcite	
-42.1	40.9									RUN-4		40.9ft: very hard, extremely indurated	
-47.1	45.9									RUN-5		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-6			50.9
										RUN-7		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									RUN-8		55.9ft: moderately hard, moderately indurated	
-62.1	60.9									RUN-9			
-67.1	65.9											65.9 to 70.1ft: medium hard	
-72.1	70.9											70.1ft: hard, indurated, some vugs	

TURKEY POINT COL BORE, TURKEY POINT COL G.P.J. TURKEY POINT COL G.D.F. 5-30-08



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		
-76.0					Continued from previous page										
-77.1	75.9												LIMESTONE, boundstone, white (2.5Y8/1), very hard, extremely indurated, little vugs, trace recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation) (continued) 75.9ft: few vugs 80.9ft: moderately hard, moderately indurated, fossiliferous 85.9ft: some vugs 91.9ft: medium hard, sandy		
-82.1	80.9														
-87.1	85.9														
-92.1	90.9														
-97.1	95.9														
													-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

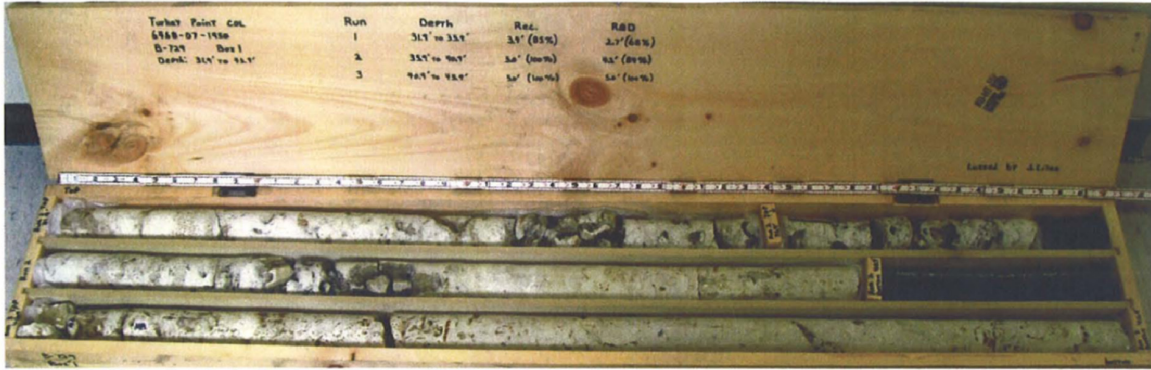




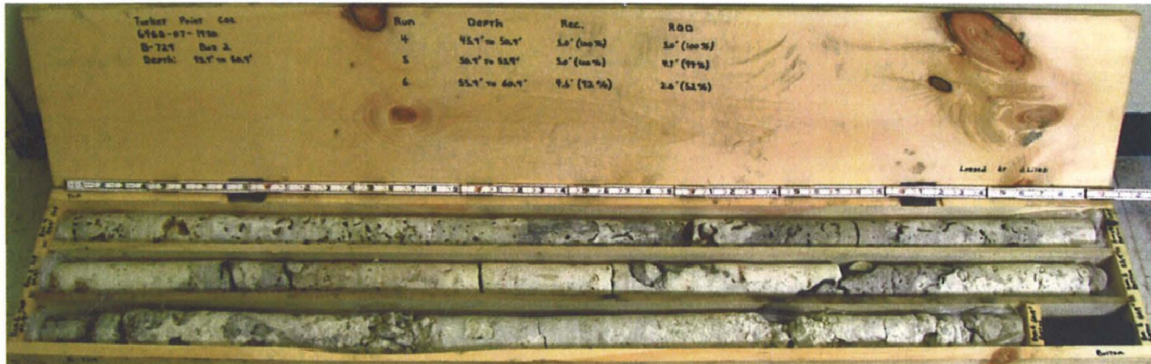
BECHTEL PROJECT NO.: 25409		MACTEC PROJECT NO.: 6468-07-1950		COUNTY: Miami-Dade	GEOLOGIST: J. Liles
SITE DESCRIPTION: Turkey Point COL		DRILL MACHINE: CME-550 (Miller)		DRILLER: R. White/ J. Dugger/ C. White	
BORING NO.: B-729		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core	
GROUND ELEV.: -1.2 ft (NAVD88)		NORTHING: 396,971 US ft (NAD83/90)		EASTING: 875,493 US ft (NAD83/90)	
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		SAMP. NO.	STRATA		LOG	DESCRIPTION AND REMARKS
				REC (ft) %	RQD (ft) %		REC (ft) %	RQD (ft) %		
										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) 31.9ft: white (2.5Y8/1), hard, indurated, strong HCl reaction, little vugs, coralline
-37.1	35.9	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%	-52.1	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								-102.1	Coring Terminated at Elevation -102.1
										100.9

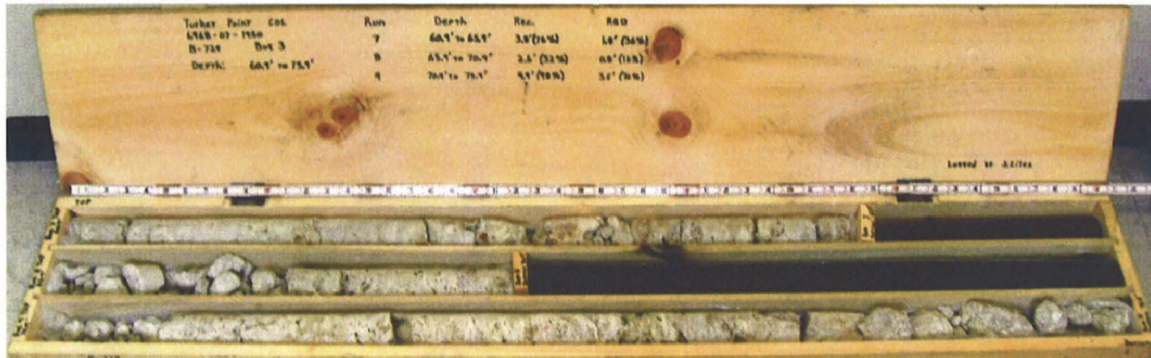
TURKEY POINT COL CORE TURKEY POINT.GPI TURKEY POINT COL.GDT 5/30/08



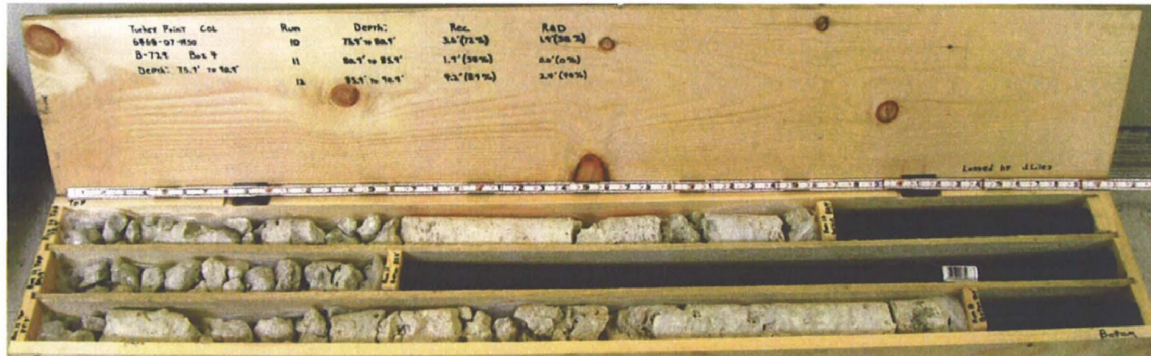
B-729 - Box 1



B-729 - Box 2

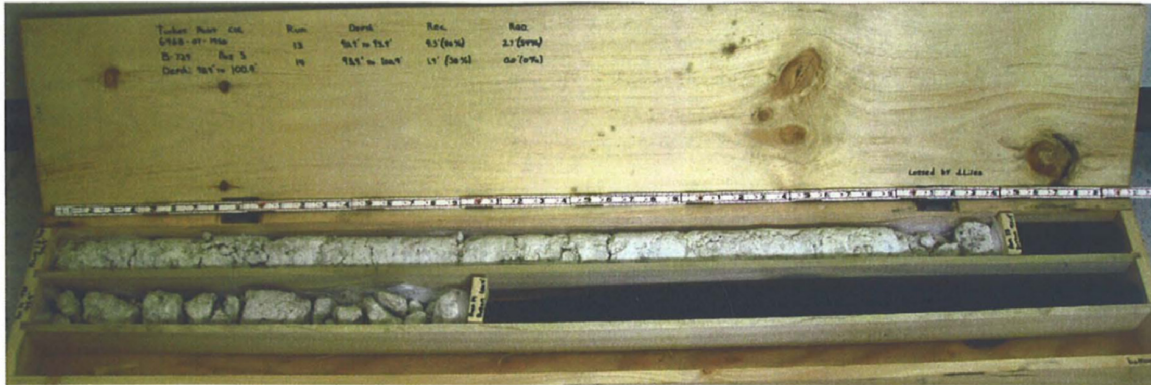


B-729 - Box 3



B-729 - Box 4





B-729 - Box 5



GEOTECHNICAL BORING LOG

Prepared By JPJ Date 5-30-08

Checked By PM 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	LOG	SOIL AND ROCK DESCRIPTION		
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100	
-1.0					Ground Surface									0.0	
-1.0	0.0	WOH	WOH	WOH	●0						730-1			MUCK, light brownish gray (2.5Y6/2), to black (5Y2.5/2), very soft, wet, strong HCl reaction, trace shell fragments, mostly organic	
-2.5	1.5	WOR	WOH	WOH	●0						730-2				
-4.9	3.9				●0										4.0
-7.0	6.0	6	6	10	●16						730-3			LIMESTONE, boundstone, white (5Y8/1), very soft, wet, fossiliferous, oolitic (Miami Formation)	
-9.6	8.6	4	5	7	●12						730-4			6.0ft: mottled very dark gray (N3/)	
-12.0	11.0	6	4	6	●10						730-5			11.0ft: white (2.5Y8/1)	
-14.4	13.4	5	5	12	●17						730-6			13.4ft: light gray (2.5Y7/1), to white (2.5Y8/1), soft, trace shell fragments	
-20.6	19.6	5	17	10	●27						730-7			19.6ft: light gray (2.5Y7/1), to pale yellow (2.5Y8/1), mottled dark gray (2.5Y4/1)	
-25.6	24.6	23	21	9	●30						730-8				24.0
-26.5	25.5	14	50/0.4							●64/0.9	730-9			LIMESTONE, boundstone, light gray (2.5Y7/1), hard, wet, strong HCl reaction, fossiliferous (Upper Fort Thompson Formation)	
-29.1	28.1										RUN-1			25.5ft: Switch sampling method to coring	
-34.0	33.0										RUN-2			25.5ft: white (2.5Y8/1), hard, indurated, trace vugs, coralline	
-38.3	37.3										RUN-3			28.1ft: mottled pale yellow (2.5Y7/3), sand filled vugs	
-39.1	38.1										RUN-4			33.0ft: white (2.5Y8/1), to light brownish gray (2.5Y6/2), recrystallized calcite	
-44.1	43.1										RUN-5			37.3ft: light olive brown (2.5Y5/3)	
-49.1	48.1										RUN-6			38.1ft: light yellowish brown (2.5Y6/3)	
-54.2	53.2										RUN-7			43.1ft: light gray (2.5Y7/1) to 46.5ft, then gray (2.5Y5/1), recrystallized calcite in vugs, shell content increases with depth	
-59.2	58.2										RUN-8			48.1ft: light gray (5Y7/1) to 48.8ft	48.8
-60.6	59.6										RUN-9			LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, fossiliferous, trace recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation)	
-64.2	63.2										RUN-10			53.2ft: trace vugs	
-69.2	68.2										RUN-11			58.2ft: medium hard	
-71.0	70.0										RUN-12			59.6ft: moderately hard	
-74.2	73.2										RUN-13			63.2ft: indurated	
											RUN-14			68.2ft: hard	
														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	

TURKEY POINT COL BORE TURKEY POINT GP TURKEY POINT COL GDT 530 US





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.	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											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-15				
-89.2	88.2										RUN-16			
-94.2	93.2										RUN-17			
-99.2	98.2										RUN-18			
											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 5/30/08



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		LOG	DESCRIPTION AND REMARKS
				REC (%)	RQD (%)		REC (%)	RQD (%)		
										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) 25.5ft: white (2.5Y8/1), hard, indurated, trace vugs, coralline 28.1ft: mottled pale yellow (2.5Y7/3), sand filled vugs
-29.1	28.1	4.9	0:59/0.6	(4.7)	(3.4)	RUN-2				
			1:52							
			0:31							
			0:46							
			1:35							
-34.0	33.0	4.3	1:55/0.9	(4.3)	(3.4)	RUN-3				33.0ft: white (2.5Y8/1), to light brownish gray (2.5Y6/2), recrystallized calcite
			1:19							
			1:11							
			0:47							
-38.3	37.3	0.8	0:04/0.3	(0.8)	(0.8)	RUN-4				37.3ft: light olive brown (2.5Y5/3)
-39.1	38.1	5.0	0:56	(4.2)	(3.4)	RUN-5				38.1ft: light yellowish brown (2.5Y6/3)
			0:54/0.8							
			0:36							
			1:19							
			1:38							
			1:28							
			1:19							
-44.1	43.1	5.0	1:17	(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
			1:02							
			1:03							
			1:24							
			0:53							
-49.1	48.1	5.1	0:55	(5.1)	(4.7)	RUN-7	(40.1)	(20.4)		48.1ft: light gray (5Y7/1) to 48.8ft
			1:43							48.8ft: LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, fossiliferous, trace recrystallized calcite, strong HCl reaction (Lower Fort Thompson Formation)
			1:38							
			1:27							
			0:41/1.1							
-54.2	53.2	5.0	0:45	(4.2)	(2.2)	RUN-8				53.2ft: trace vugs
			0:32							
			1:02							
			0:18							
			0:29							
-59.2	58.2	1.4	0:33	(1.4)	(0.4)	RUN-9				58.2ft: medium hard
			0:47/0.4							
			0:55/0.6							
			0:56							
			0:48							
			0:56							
-64.2	63.2	3.6	0:56	(3.6)	(2.5)	RUN-10				59.6ft: moderately hard
			0:56							
			0:48							
			0:56							
			0:18							
			0:16							
			0:07							
			0:07							
			0:08							
-69.2	68.2	5.0	0:23	(2.4)	(0.4)	RUN-11				63.2ft: indurated
			3:33/0.8							
			0:23							
			0:33/0.8							
			0:11/0.2							
			0:31							
			1:05							
			0:58							
			1:01							
			0:53							
			0:34							
			0:26							
			0:39							
-71.0	70.0	5.0	0:47	(4.9)	(1.1)	RUN-15				78.2ft: shell molds
			0:14							
			0:05							
			0:21							
			0:23							
-84.2	83.2	5.0	0:08	(3.2)	(2.0)	RUN-16				
			0:08							
			0:35							
			0:42							
			1:58							
-89.2	88.2	5.0	0:35	(4.0)	(1.4)	RUN-17				
			0:11							
			0:18							
			0:13							
			0:20							
-94.2	93.2	5.0	0:14	(2.1)	(0.6)	RUN-18				
			0:20							
			0:17							
			0:16							
			0:16							
-99.2	98.2	5.0	0:16	(1.1)	(0.4)	RUN-19				98.2ft: medium hard, moderately indurated
			1:49							

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

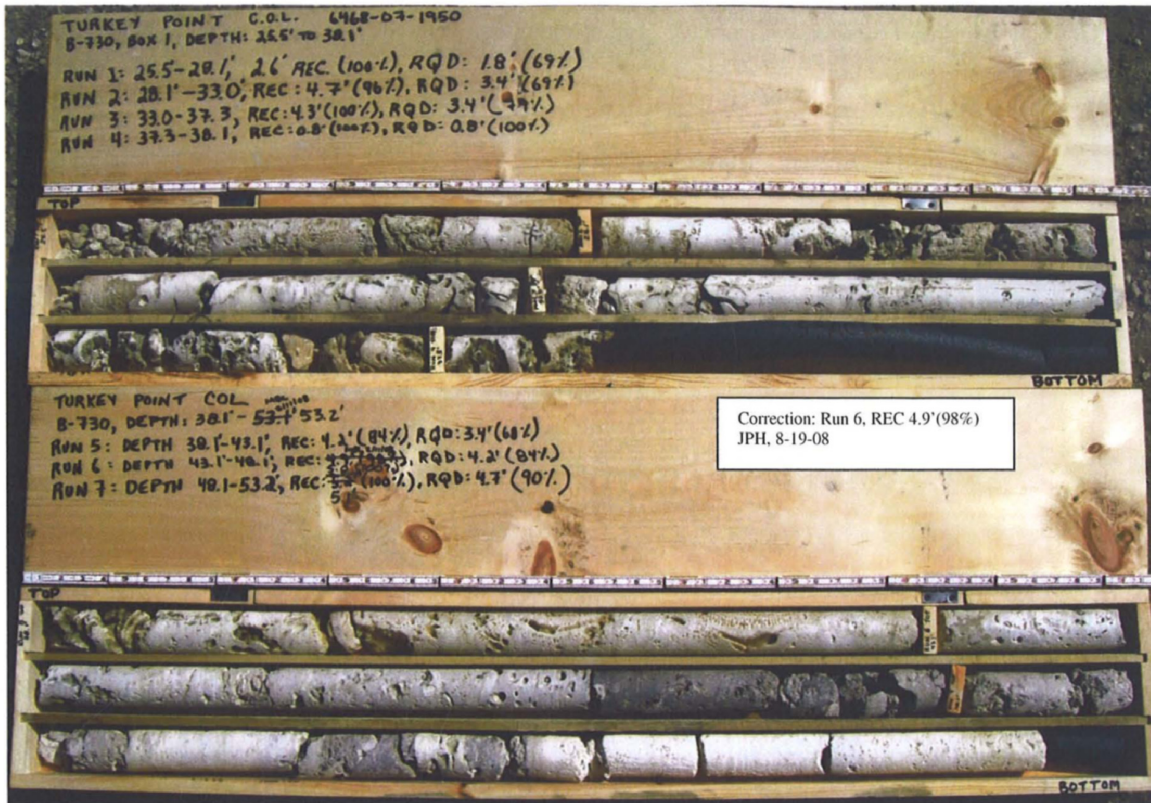




BECHTEL PROJECT NO.: 25409		MACTEC PROJECT NO.: 6468-07-1950		COUNTY: Miami-Dade	GEOLOGIST: L. Bisson	
SITE DESCRIPTION: Turkey Point COL		DRILL MACHINE: CME-550 (ATL)		DRILLER: L. Carter/ J. Landeros		GROUND WATER (ft) 0 HR. NA 24 HR. NA
BORING NO.: B-730		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		
GROUND ELEV.: -1.0 ft (NAVD88)		NORTHING: 396,868 US ft (NAD83/90)		EASTING: 875,621 US ft (NAD83/90)		
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)

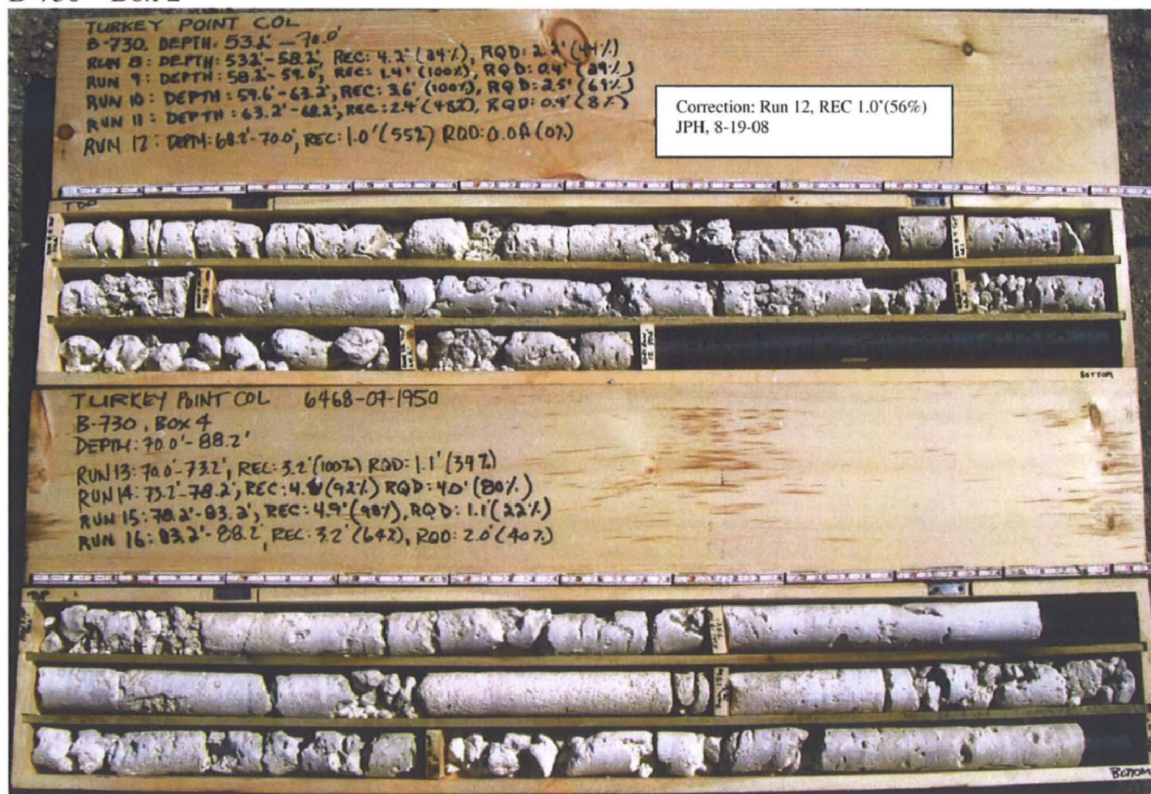
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		LOG	DESCRIPTION AND REMARKS
				REC. (%)	RQD (%)		REC. (%)	RQD (%)		
										Continued from previous page
-104.2	103.2		0.15 0.24 0.32							LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, fossiliferous, trace recrystallized 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