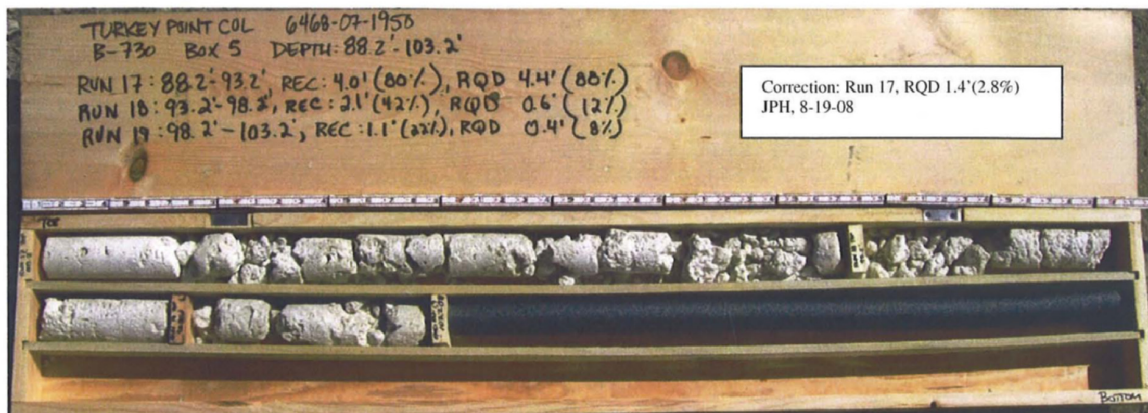




B-730 - Box 5



GEOTECHNICAL BORING LOG

Prepared By 227 Date 7-10-08Checked By MM Date 7-10-08

SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409					MACTEC PROJECT NO.: 6468-07-1950					COUNTY: Miami-Dade					GEOLOGIST: G. Pillappa				
SITE DESCRIPTION: Turkey Point COL					DRILL MACHINE: CME-550 (ATL)					DRILLER: L. Carter/ J. Rosser					GROUND WATER (ft)				
BORING NO.: B-731					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core					0 HR.		NA		
GROUND ELEV.: -1.5 ft (NAVD88)					NORTHING: 396,646 US ft (NAD83/90)					EASTING: 875,423 US ft (NAD83/90)					24 HR.		NA		
TOTAL DEPTH: 103.2 ft			BORING DIAMETER: 4" to 16.0', 3" to 103.2'					CASING DEPTH: 4" to 16.0'					HAMMER (ID): 140 lb. Auto (MEC-03)						
DATE STARTED: 5/1/08			COMPLETED: 5/3/08			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									
-1.5					Ground Surface														
-1.5	0.0	WOH	WOH	WOH	●0						731-1			-1.5	0.0	MUCK, light gray (10YR7/2), to very dark gray (10YR3/1), very soft, wet, mostly organic, strong HCl reaction			
-4.0	2.5										731-2			-4.0	2.5	LIMESTONE, boundstone, white (2.5YR8/1), very soft, wet, trace fine grained sand, strong HCl reaction, oolitic (Miami Formation)			
-6.5	5.0	3	7	12	●19						731-3					7.5ft: white (10YR8/1)			
-9.0	7.5	7	5	7	●12						731-4					12.5ft: white (2.5YR8/1)			
-11.5	10.0	10	7	5	●12						731-5								
-14.0	12.5	13	11	6	●17						731-6								
-16.5	15.0	11	11	7	●18						731-7					15.0ft: hard			
-17.5	16.0	14	50/0.3							64/0.8	RUN-1					16.0ft: Switch sampling method to coring			
-19.7	18.2										RUN-2					16.0ft: white (10YR8/1), to light gray (10YR7/1), to gray (10YR6/1), hard, indurated, trace fine grained sand, fossiliferous, locally interconnected vugs partially filled with cemented sand			
-24.7	23.2										RUN-3			-26.5	25.0	18.2ft: soft to hard, friable to indurated			
-29.7	28.2										RUN-4					LIMESTONE, boundstone, white (10YR8/1), to gray (10YR6/1), to very pale brown (10YR7/3), soft to hard, moderately indurated to indurated, coralline, fossiliferous, few vugs, strong HCl reaction, recrystallized calcite (Upper Fort Thompson Formation)			
-34.7	33.2										RUN-5					28.2ft: hard, indurated			
-39.7	38.2										RUN-6								
-44.7	43.2										RUN-7					43.2ft: white (10YR8/1) to 46.2ft, then gray (10YR6/1) to 48.2ft, trace vugs			
-49.7	48.2										RUN-8			-49.7	48.2	LIMESTONE, boundstone, white (10YR8/1), to light gray (10YR7/2), hard, indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)			
-54.7	53.2										RUN-9					53.2ft: white (10YR8/1), moderately indurated to indurated, trace fine grained sand			
-59.7	58.2										RUN-10					58.2ft: moderately hard to hard			
-64.7	63.2										RUN-11					58.2 to 68.2ft: possible interbedded sand layers; based on recoveries and drilling rates			
-69.7	68.2										RUN-12					63.2ft: hard, indurated, no vugs			
-74.7	73.2										RUN-13					68.2ft: white (10YR8/1), to light gray (10YR7/2), few vugs			
																73.2ft: white (10YR8/1), trace vugs, trace fine grained sand			



SHEET 2 OF 2

BECHTEL PROJECT NO.: 25409			MACTEC PROJECT NO.: 6468-07-1950			COUNTY: Miami-Dade			GEOLOGIST: G. Pillappa						
SITE DESCRIPTION: Turkey Point COL			DRILL MACHINE: CME-550 (ATL)			DRILLER: L. Carter/ J. Rosser			GROUND WATER (ft)						
BORING NO.: B-731			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA						
GROUND ELEV.: -1.5 ft (NAVD88)			NORTHING: 396,646 US ft (NAD83/90)			EASTING: 875,423 US ft (NAD83/90)			24 HR. NA						
TOTAL DEPTH: 103.2 ft			BORING DIAMETER: 4" to 16.0', 3" to 103.2'			CASING DEPTH: 4" to 16.0'			HAMMER (ID): 140 lb. Auto (MEC-03)						
DATE STARTED: 5/1/08			COMPLETED: 5/3/08			CORE SIZE: HQ3			BITS USED: 2 15/16" Tricone						
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					
-76.3					Continued from previous page										
-79.7	78.2										RUN-14		LIMESTONE, boundstone, white (10YR8/1), to light gray (10YR7/2), hard, indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued) 78.2ft: shell molds and casts		
-84.7	83.2										RUN-15				
-89.7	88.2										RUN-16		88.2ft: moderately hard, moderately indurated		
-94.7	93.2										RUN-17		93.2ft: hard, indurated, possible interbedded sand layers; based on recovery and drilling rates		
-99.7	98.2										RUN-18		98.2ft: moderately hard to hard, moderately indurated to indurated, little shell molds and casts		
													-104.7	103.2	Boring Terminated at Elevation -104.7 ft

TURKEY POINT COL BORE TURKEY POINT GP 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: G. Pillappa			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550 (ATL)				DRILLER: L. Carter/ J. Rosser				GROUND WATER (ft)	
BORING NO.: B-731				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.5 ft (NAVD88)				NORTHING: 396,646 US ft (NAD83/90)				EASTING: 875,423		US ft (NAD83/90)		24 HR. NA	
TOTAL DEPTH: 103.2 ft				CASING DEPTH: 4" to 16.0'						HAMMER (ID): 140 lb. Auto (MEC-03)			
DATE STARTED: 5/1/08		COMPLETED: 5/3/08		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 @ 16.0 ft	
-17.5	16.0	2.2	2:08	(2.2)	(1.6)	100%	RUN-1	(3.7)	(1.6)	41%	18%		LIMESTONE, boundstone, white (2.5YR8/1), very soft, wet, trace fine grained sand, strong HCl reaction, oolitic (Miami Formation) (continued)
-19.7	18.2	5.0	0:12/0.2	(1.0)	(0.0)	20%	RUN-2						16.0ft: white (10YR8/1), to light gray (10YR7/1), to gray (10YR6/1), hard, indurated, trace fine grained sand, fossiliferous, locally interconnected vugs partially filled with cemented sand
-24.7	23.2	5.0	1:14 0:38 0:31 0:29 0:44	(3.7)	(1.3)	74%	RUN-3						18.2ft: soft to hard, friable to indurated
-29.7	28.2	5.0	1:17 1:47 2:14 2:16	(4.8)	(4.1)	96%	RUN-4	(21.1)	(14.2)	91%	61%		LIMESTONE, boundstone, white (10YR8/1), to gray (10YR6/1), to very pale brown (10YR7/3), soft to hard, moderately indurated to indurated, coralline, fossiliferous, few vugs, strong HCl reaction, recrystallized calcite (Upper Fort Thompson Formation)
-34.7	33.2	5.0	0:54 1:04 1:01 0:58	(3.8)	(2.4)	76%	RUN-5						28.2ft: hard, indurated
-39.7	38.2	5.0	1:25 1:51 1:46 0:51 0:27	(4.3)	(1.8)	86%	RUN-6						
-44.7	43.2	5.0	1:05 2:36 2:44 2:07 2:31	(5.0)	(4.6)	100%	RUN-7						43.2ft: white (10YR8/1) to 46.2ft, then gray (10YR6/1) to 48.2ft, trace vugs
-49.7	48.2	5.0	1:42 1:00 1:14 1:42 2:04	(4.9)	(4.9)	98%	RUN-8	(40.3)	(24.2)	73%	44%		LIMESTONE, boundstone, white (10YR8/1), to light gray (10YR7/2), hard, indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)
-54.7	53.2	5.0	1:54 1:31 1:27 1:18 1:21	(4.6)	(3.5)	92%	RUN-9						53.2ft: white (10YR8/1), moderately indurated to indurated, trace fine grained sand
-59.7	58.2	5.0	1:24 2:26 2:39 2:18 2:06	(2.7)	(1.3)	54%	RUN-10						58.2ft: moderately hard to hard
-64.7	63.2	5.0	1:11 1:35 1:47 0:41	(1.3)	(0.0)	26%	RUN-11						58.2 to 68.2ft: possible interbedded sand layers; based on recoveries and drilling rates
-69.7	68.2	5.0	0:54 1:31 0:39 0:06 1:36	(1.3)	(0.0)	26%	RUN-12						63.2ft: hard, indurated, no vugs
-74.7	73.2	5.0	4:15 3:05 3:28 2:11 1:42	(5.0)	(4.6)	100%	RUN-13						68.2ft: white (10YR8/1), to light gray (10YR7/2), few vugs
-79.7	78.2	5.0	1:24 2:04 2:15 1:14 1:32	(4.8)	(3.4)	96%	RUN-14						73.2ft: white (10YR8/1), trace vugs, trace fine grained sand
-84.7	83.2	5.0	0:46 1:27 0:52 2:20 0:32	(3.7)	(1.0)	74%	RUN-15						78.2ft: shell molds and casts
-89.7	88.2	5.0	0:51 0:50 3:05 4:08 2:38	(4.3)	(1.7)	86%	RUN-16						
		5.0	2:05 1:23	(4.0)	(2.1)	80%	RUN-16					88.2ft: moderately hard, moderately indurated	

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

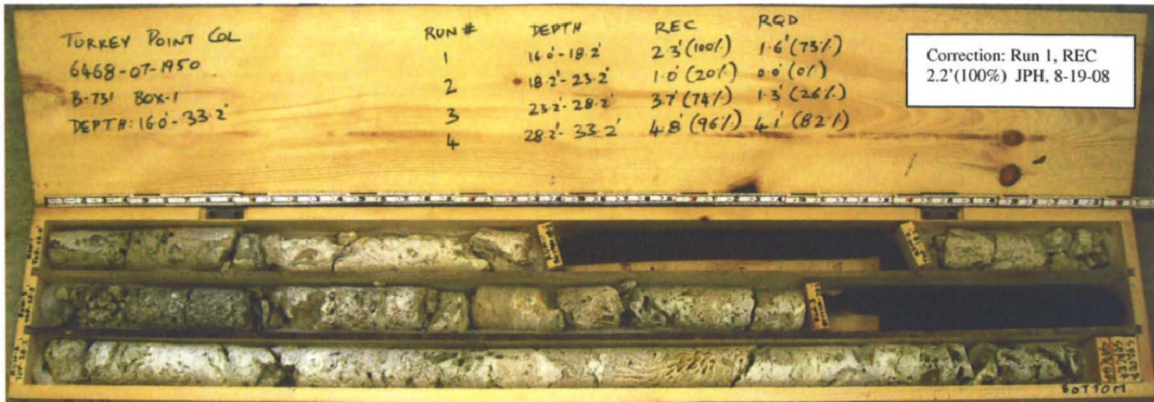


SHEET 2 OF 2

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: G. Pillappa
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 (ATL)	DRILLER: L. Carter/ J. Rosser	GROUND WATER (ft)
BORING NO.: B-731	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.5 ft (NAVD88)	NORTHING: 396,646 US ft (NAD83/90)	EASTING: 875,423 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 103.2 ft	CASING DEPTH: 4" to 16.0'	HAMMER (ID): 140 lb. Auto (MEC-03)	
DATE STARTED: 5/1/08	COMPLETED: 5/3/08	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
-94.7	93.2		0:47 0:51 0:54							LIMESTONE, boundstone, white (10YR8/1), to light gray (10YR7/2), hard, indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued)
		5.0	0:26 0:25 0:12 0:40 0:39	(1.4) 28%	(0.0) 0%	RUN-17				93.2ft: hard, indurated, possible interbedded sand layers; based on recovery and drilling rates
-99.7	98.2									
		5.0	3:22 1:04 2:00 1:21 0:53	(3.6) 72%	(1.7) 34%	RUN-18				98.2ft: moderately hard to hard, moderately indurated to indurated, little shell molds and casts
-104.7	103.2									
										-104.7
										103.2
										Coring Terminated at Elevation -104.7

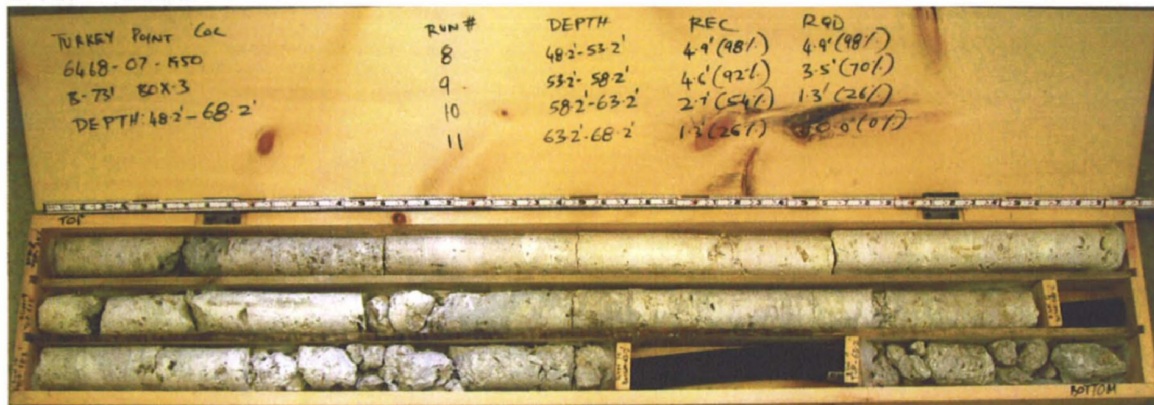
TURKEY POINT COL CORE TURKEY POINT GPI TURKEY POINT COL GDT 7/10/08



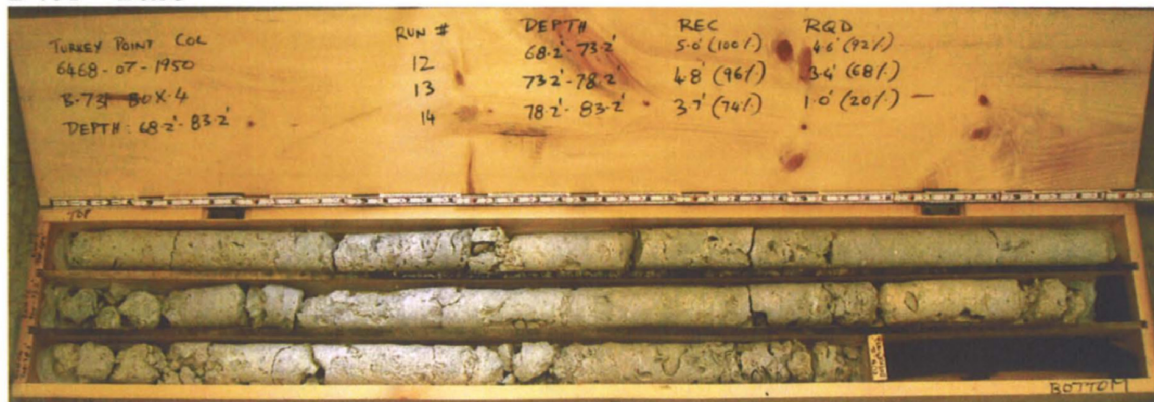
B-731 - Box 1



B-731 - Box 2



B-731 - Box 3



B-731 - Box 4



B-731 - Box 5



GEOTECHNICAL BORING LOG

Prepared By JDH Date 5-30-08

Checked By JM Date 5-30-08

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-750 (Miller)			DRILLER: G.Bilbrey/P.McKorkle/J.Tucker			GROUND WATER (ft)		
BORING NO.: B-732			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA		
GROUND ELEV.: -1.0 ft (NAVD88)			NORTHING: 396,412 US ft (NAD83/90)			EASTING: 875,682 US ft (NAD83/90)			24 HR. NA		
TOTAL DEPTH: 104.5 ft			BORING DIAMETER: 4" to 104.5'			CASING DEPTH: 4" to 24.5'			HAMMER (ID): 140 lb. Auto (07)		
DATE STARTED: 5/14/08			COMPLETED: 5/18/08			CORE SIZE: HQ3			BITS USED: 3 7/8" Tricone		

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			
-1.0					Ground Surface								
-1.0	0.0	WOH	WOH	WOH							732-1		MUCK, light gray (5Y7/2), to light brownish gray (10YR6/2), very soft, moist to wet, strong HCl reaction, some organics
-3.5	2.5	WOH	WOH	2							732-2A&B		2.5ft: very dark grayish brown (10YR3/2)
-6.0	5.0	7	9	6							732-3		LIMESTONE, boundstone, pale yellow (5Y8/2), very soft, friable, wet, strong HCl reaction, fragmented, oolitic (Miami Formation)
-8.5	7.5	40	14	5							732-4		
-11.0	10.0	3	5	6							732-5		10.0ft: white (5Y8/1)
-13.5	12.5	9	13	16							732-6		12.5ft: soft
-16.0	15.0	7	10	17							732-7		
-19.0	18.0	7	18	15							732-8		18.0ft: medium hard
-24.0	23.0										732-9		23.0ft: moderately hard
-25.5	24.5	4	9	50/0.5							RUN-1		24.5ft: Switch sampling method to coring
-30.5	29.5										RUN-2		LIMESTONE, boundstone, white (5Y8/1), hard, indurated, wet, strong HCl reaction, fossiliferous, coralline, some shell molds and casts, little vugs, recrystallized calcite (Upper Fort Thompson Formation)
-35.5	34.5										RUN-3		29.5ft: few vugs, loss of circulation
-40.5	39.5										RUN-4		35.0ft: return of circulation
-45.5	44.5										RUN-5		37.5ft: loss of circulation
-50.5	49.5										RUN-6		44.5ft: white (5Y8/1) to 46.5ft, then gray (5Y6/1) to 48.0ft
-55.5	54.5										RUN-7		LIMESTONE, boundstone, very pale brown (10YR8/2), to white (5Y8/1), hard, indurated, few vugs, fossiliferous, few to little gastropod shell molds and casts (Lower Fort Thompson Formation)
-60.5	59.5										RUN-8		49.5ft: very pale brown (10YR8/2) to white (5Y8/2)
-65.5	64.5										RUN-9		54.5ft: white (5Y8/1)
-70.5	69.5										RUN-10		64.5 to 70.5ft: moderately hard, with possible interbedded sand layers
-75.5	74.5												70.5ft: hard, some sand

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

BECHTEL PROJECT NO.: 25409					MACTEC PROJECT NO.: 6468-07-1950					COUNTY: Miami-Dade		GEOLOGIST: R. Clark			
SITE DESCRIPTION: Turkey Point COL					DRILL MACHINE: CME-750 (Miller)					DRILLER: G.Bilbrey/P.McKorkle/J.Tucker				GROUND WATER (ft)	
BORING NO.: B-732					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.0 ft (NAVD88)					NORTHING: 396,412 US ft (NAD83/90)					EASTING: 875,682 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 104.5 ft			BORING DIAMETER: 4" to 104.5'					CASING DEPTH: 4" to 24.5'				HAMMER (ID): 140 lb. Auto (07)			
DATE STARTED: 5/14/08			COMPLETED: 5/18/08			CORE SIZE: HQ3				BITS USED: 3 7/8" Tricone					
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					
-75.8					Continued from previous page										
-80.5	79.5									RUN-11			74.5ft: moderately hard Limestone, boundstone, very pale brown (10YR8/2), to white (5Y8/1), hard, indurated, few vugs, fossiliferous. few to little gastropod shell molds and casts (Lower Fort Thompson Formation) (continued)		
-85.5	84.5									RUN-12					
-90.5	89.5									RUN-13			84.5ft: hard		
-95.5	94.5									RUN-14			92.0ft: no recovery, possible sand (SM) based on recovery and drilling rates		
-100.5	99.5									RUN-15			97.5ft: Limestone, boundstone, white (5Y8/1), hard, indurated, wet, strong HCl reaction, fossiliferous, mostly shell molds and casts		
										RUN-16					
													Boring Terminated at Elevation -105.5 ft		

TURKEY POINT COLBORE TURKEY POINT.GPJ TURKEY POINT COLGDT 5/30/08



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-750 (Miller)				DRILLER: G.Bilbrey/P.McKorkle/J.Tucker			GROUND WATER (ft)	
BORING NO.: B-732				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core			0 HR. NA	
GROUND ELEV.: -1.0 ft (NAVD88)				NORTHING: 396,412 US ft (NAD83/90)				EASTING: 875,682 US ft (NAD83/90)		24 HR. NA		
TOTAL DEPTH: 104.5 ft				CASING DEPTH: 4" to 24.5'						HAMMER (ID): 140 lb. Auto (07)		
DATE STARTED: 5/14/08		COMPLETED: 5/18/08		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) %		RQD (ft) %	SAMP. NO.	STRATA REC. (ft) %		RQD (ft) %	L O G	DESCRIPTION AND REMARKS
												Begin Coring @ 24.5 ft
-25.5	24.5	5.0	2:54 2:50 5:13 6:38 10:21	(4.9) 98%	(1.8) 36%	RUN-1	(22.9) 97%	(16.7) 71%				-25.5 LIMESTONE, boundstone, white (5Y8/1), hard, indurated, wet, strong HCl reaction, fossiliferous, coralline, some shell molds and casts, little vugs, recrystallized calcite (Upper Fort Thompson Formation) 24.5
-30.5	29.5	5.0	3:21 3:43 3:19 2:55 3:15	(5.0) 100%	(4.6) 92%	RUN-2						29.5ft: few vugs, loss of circulation
-35.5	34.5	5.0	2:19 2:31 2:15 1:43 3:22	(5.0) 100%	(3.2) 64%	RUN-3						35.0ft: return of circulation 37.5ft: loss of circulation
-40.5	39.5	5.0	3:10 2:57 2:25 2:37 2:55	(4.5) 90%	(4.5) 90%	RUN-4						
-45.5	44.5	5.0	1:53 1:01 1:37 2:25 2:25	(5.0) 100%	(3.8) 76%	RUN-5						44.5ft: white (5Y8/1) to 46.5ft, then gray (5Y6/1) to 48.0ft
-50.5	49.5	5.0	2:21 1:50 1:59 1:45 2:27	(5.0) 100%	(3.5) 70%	RUN-6	(30.5) 69%	(9.0) 20%				-49.0 LIMESTONE, boundstone, very pale brown (10YR8/2), to white (5Y8/1), hard, indurated, few vugs, fossiliferous, few to little gastropod shell molds and casts (Lower Fort Thompson Formation) 48.0 49.5ft: very pale brown (10YR8/2) to white (5Y8/2)
-55.5	54.5	5.0	1:45 1:48 1:44 3:41 3:49	(3.0) 60%	(0.0) 0%	RUN-7						54.5ft: white (5Y8/1)
-60.5	59.5	5.0	1:27 1:05 1:11 1:14 1:51	(4.0) 80%	(2.5) 50%	RUN-8						
-65.5	64.5	5.0	0:23 0:23 1:45 0:55 0:11	(1.4) 28%	(0.0) 0%	RUN-9						64.5 to 70.5ft: moderately hard, with possible interbedded sand layers
-70.5	69.5	5.0	1:35 1:33 1:01 1:56 1:58	(2.8) 56%	(0.6) 12%	RUN-10						70.5ft: hard, some sand
-75.5	74.5	5.0	0:40 0:49 1:21 1:45 1:28	(3.9) 78%	(0.9) 18%	RUN-11						74.5ft: moderately hard
-80.5	79.5	5.0	1:05 1:04 0:58 0:28 0:12	(2.3) 46%	(0.0) 0%	RUN-12						
-85.5	84.5	5.0	1:21 1:35 1:33 2:25 2:59	(4.1) 82%	(0.3) 6%	RUN-13						84.5ft: hard
-90.5	89.5	5.0	1:12 0:54 0:49 0:13 0:13	(3.1) 62%	(0.0) 0%	RUN-14						
-95.5	94.5	5.0	0:15 0:12 0:17 1:18 1:11	(2.8) 56%	(0.0) 0%	RUN-15	(1.4) 25%	(0.0) 0%				-93.0 92.0ft: no recovery, possible sand (SM) based on recovery and drilling rates 92.0
-100.5	99.5	5.0					(5.5) (0.0)					-98.5 97.5

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

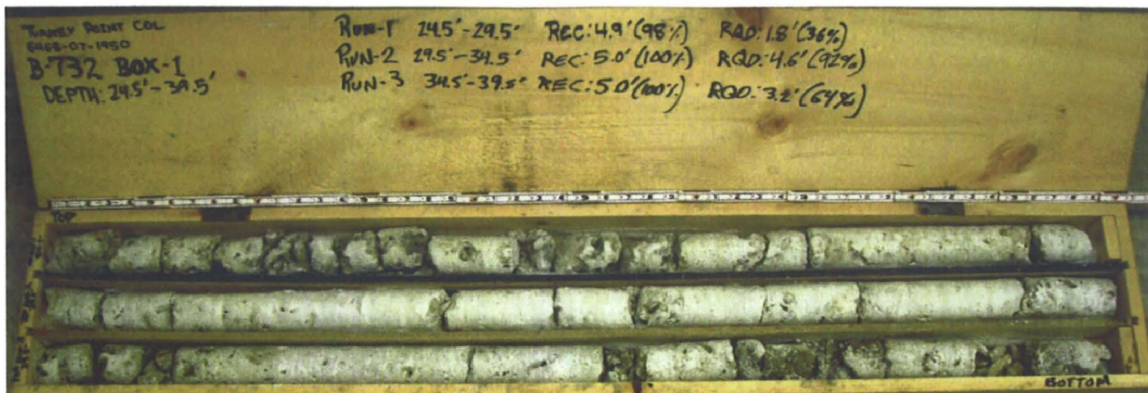


SHEET 2 OF 2

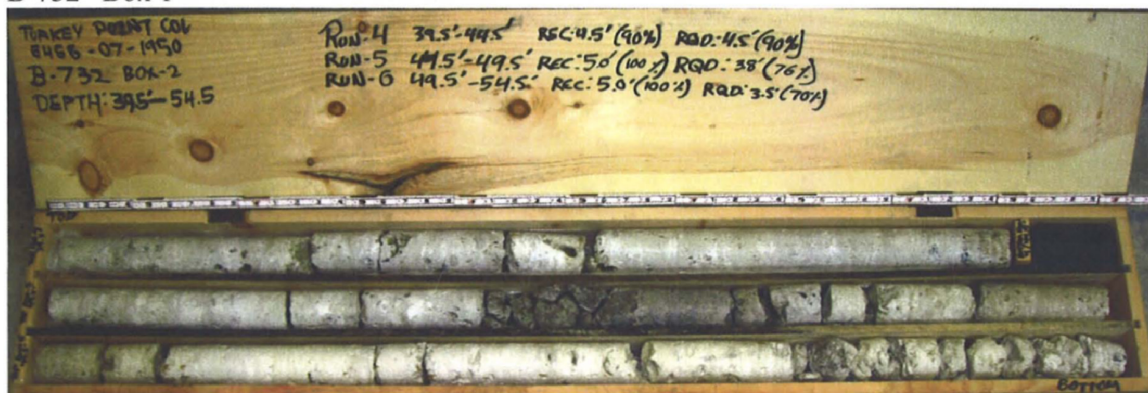
BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: R. Clark
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-750 (Miller)	DRILLER: G.Bilbrey/P.McKorkle/J.Tucker	GROUND WATER (ft)
BORING NO.: B-732	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.0 ft (NAVD88)	NORTHING: 396,412 US ft (NAD83/90)	EASTING: 875,682 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 104.5 ft	CASING DEPTH: 4" to 24.5'	HAMMER (ID): 140 lb. Auto (07)	
DATE STARTED: 5/14/08	COMPLETED: 5/18/08	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) %		
										Continued from previous page
		5.0	0.32 0.42 0.36 0.23 0.42	(3.5) 70%	(0.0) 0%	RUN-16	79%	0%		LIMESTONE, boundstone, white (5Y8/1), hard, indurated, wet, strong HCl reaction, fossiliferous, mostly shell molds and casts (<i>continued</i>)
-105.5	104.5									-105.5
										Coring Terminated at Elevation -105.5

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



B-732- Box 1



B-732 - Box 2



B-732 - Box 3



B-732 - Box 4



B-732 - Box 5



GEOTECHNICAL BORING LOG

Prepared By JP Date 5-30-08Checked By JP 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-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			BORING DIAMETER: 4" to 28.0', 3" to 103.5'					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			BITS USED: 3" 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						733-1			-1.0	0.0	MUCK - no recovery
-3.5	2.5				WOH						733-2			-3.5	2.5	LIMESTONE, boundstone, white (10YR8/1), to gray (10YR6/1), soft, wet, trace sand, oolitic, strong HCl reaction (Miami Formation)
-6.0	5.0	9	9	12		●21					733-3					5.0ft: white (10YR8/1), very soft
-8.5	7.5	9	8	5		●13					733-4					7.5ft: white (10YR8/1), to light gray (10YR7/2), fossiliferous
-11.0	10.0	8	4	3		●7					733-5					10.0ft: white (2.5Y8/1), to light gray (2.5Y7/1), trace vugs
-13.5	12.5	3	7	3		●10					733-6					12.5ft: white (10YR8/1), to very pale brown (10YR8/2), soft
-16.0	15.0	10	14	8		●22					733-7					15.0ft: white (10YR8/10), soft
-19.4	18.4	2	3	4		●7					733-8					
-24.4	23.4	7	5	7		●12										
-29.4	28.4	4	2	6		●8					733-9					
-30.9	29.9	15	44	50/0.5						●94/1.0	733-10			-27.0	26.0	LIMESTONE, boundstone, pale yellow (2.5Y8/2), hard, wet, coralline, little vugs, strong HCl reaction (Upper Fort Thompson Formation)
-34.5	33.5										RUN-1					29.9ft: Switch sampling method to coring
											RUN-2					29.9ft: white (10YR8/1), indurated, some vugs, recrystallized calcite
-39.5	38.5															32.0ft: loss of circulation
																33.5ft: little vugs
-44.5	43.5										RUN-3					38.5ft: white (10YR8/1), to light gray (10YR7/1), few vugs
-49.5	48.5										RUN-4					43.5ft: white (10YR8/1), to light gray (10YR7/2), moderately hard, moderately indurated, trace sand
-54.5	53.5										RUN-5			-49.5	48.5	LIMESTONE, boundstone, light gray (10YR7/2), to white (10YR8/1), hard, indurated, fossiliferous, trace vugs, strong HCl reaction (Lower Fort Thompson Formation)
-59.5	58.5										RUN-6					53.5ft: white (10YR8/1)
-64.5	63.5										RUN-7					58.5ft: mottled light greenish gray (10Y7/1), moderately hard, moderately indurated
-69.5	68.5										RUN-8					63.5ft: light gray (10YR7/1)
-74.5	73.5										RUN-9					66.0 to 93.5ft: possible interbedded sand; based on drilling rates and recovery
											RUN-10					68.5ft: white (10YR8/1)

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

[illegible]

TURKEY POINT COL BORE TURKEY POINT C/PJ TURKEY POINT COL GDT 5:30/08