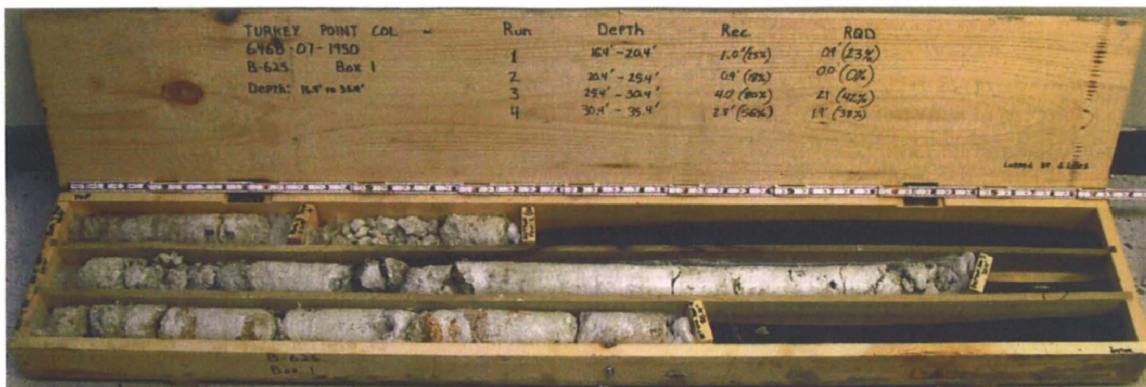
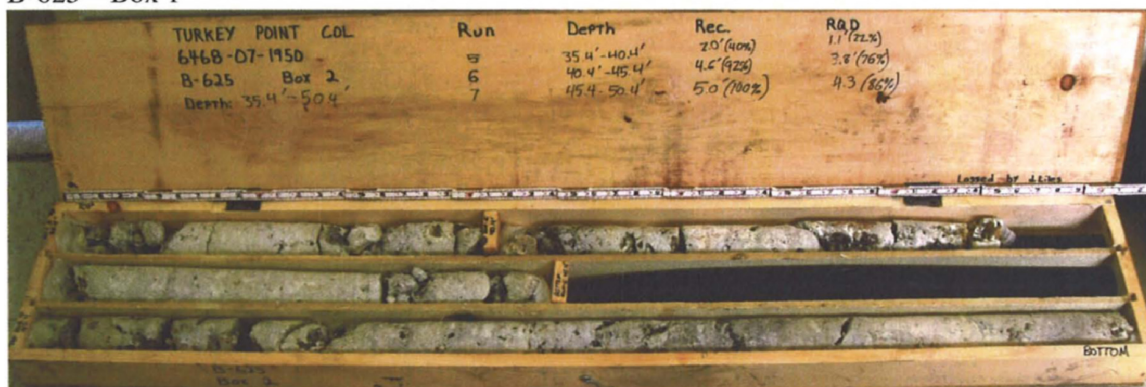
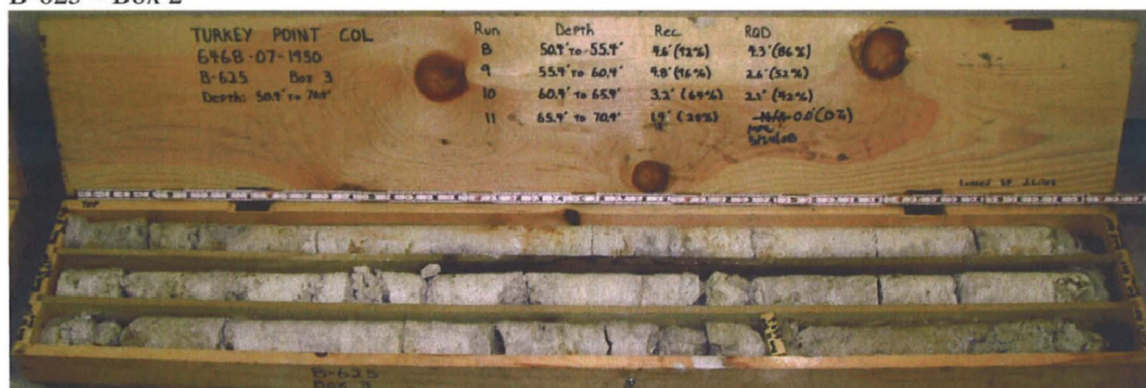




B-625 - Box 1



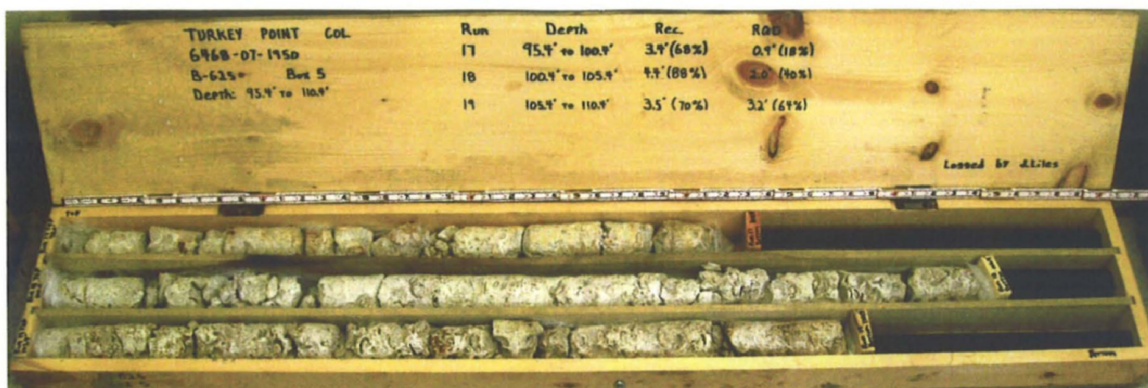
B-625 - Box 2



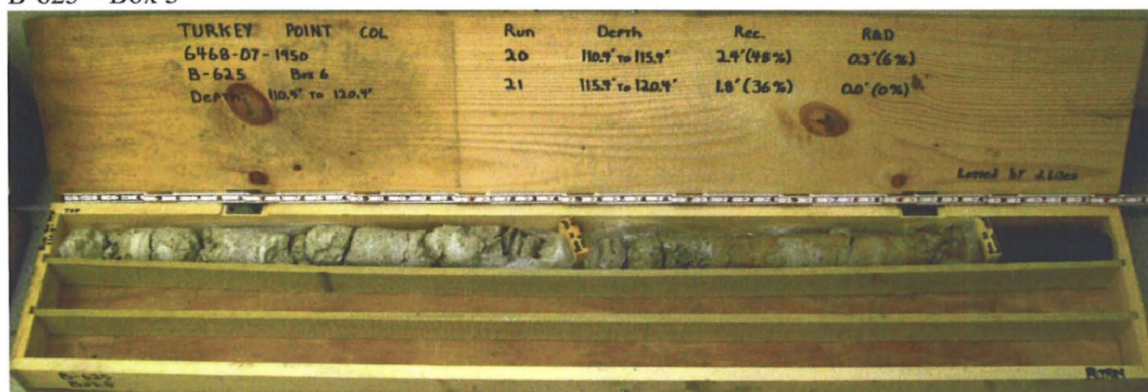
B-625 - Box 3



B-625 - Box 4



B-625 - Box 5



B-625 - Box 6



GEOTECHNICAL BORING LOG

Prepared By PPZ Date 5-30-08Checked By PPZ 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				GROUND WATER (ft)	
BORING NO.: B-626					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.6 ft (NAVD88)					NORTHING: 396,875 US ft (NAD83/90)					EASTING: 876,857 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 100.6 ft			BORING DIAMETER: 4" to 29.4', 3" to 100.6'					CASING DEPTH: 4" to 29.4'				HAMMER (ID):140 lb. Auto (M06)			
DATE STARTED: 3/18/08			COMPLETED: 3/20/08			CORE SIZE: HQ3			BITS USED: 2 7/8" Roller Cone						
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					
-1.6					Ground Surface										
-1.6	0.0	WOH	WOH	WOH	0						626-1		-1.6	0.0	
-4.5	2.9										626-2A&B				
-6.6	5.0	WOH	7	10							626-3		-5.1	3.5	
-9.0	7.4	10	10	6							626-4				
-11.1	9.5	9	4	4							626-5				
		3	5	3							626-6				
-14.1	12.5	9	8	9							626-7				
-16.5	14.9	6	17	31							626-8		14.9ft: moderately hard		
-20.2	18.6												18.6ft: very soft		
		2	6	8											
-28.3	26.7												-25.6	24.0	
-28.7	27.1	50/0.4									626-9				
-30.2	28.6										RUN-1				
											RUN-2				
-35.2	33.6														
											RUN-3		27.5ft: loss of circulation		
													28.6ft: hard, indurated		
-40.2	38.6												33.6ft: moderately hard, moderately indurated, recrystallized calcite		
											RUN-4				
													38.6ft: moderately indurated to indurated, little vugs		
-45.2	43.6														
											RUN-5				
													43.6ft: white (2.5Y8/1) to 45.3ft then light gray (10YR6/1) to 48.6ft		
-50.2	48.6												-50.2	48.6	
											RUN-6				
													LIMESTONE, boundstone, white (2.5Y8/1), moderately hard, moderately indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)		
-55.2	53.6														
											RUN-7				
-60.2	58.6														
											RUN-8				
-65.2	63.6														
											RUN-9				
													63.6ft: moderately hard to hard, moderately indurated to indurated		
-70.2	68.6														
											RUN-10				
-75.2	73.6														
											RUN-11				

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



SHEET 2 OF 2

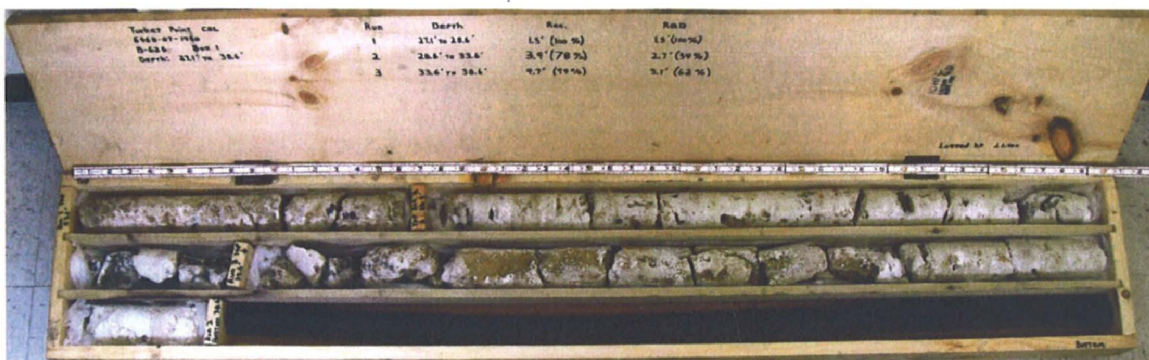
BECHTEL PROJECT NO.: 25409			MACTEC PROJECT NO.: 6468-07-1950			COUNTY: Miami-Dade			GEOLOGIST: J. Liles					
SITE DESCRIPTION: Turkey Point COL			DRILL MACHINE: CME-550 (Miller)			DRILLER: R. White/ J. Dugger			GROUND WATER (ft)					
BORING NO.: B-626			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA					
GROUND ELEV.: -1.6 ft (NAVD88)			NORTHING: 396,875 US ft (NAD83/90)			EASTING: 876,857 US ft (NAD83/90)			24 HR. NA					
TOTAL DEPTH: 100.6 ft			BORING DIAMETER: 4" to 29.4", 3" to 100.6'			CASING DEPTH: 4" to 29.4'			HAMMER (ID): 140 lb. Auto (M06)					
DATE STARTED: 3/18/08			COMPLETED: 3/20/08			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			
-76.4					Continued from previous page									
-80.2	78.6									RUN-12		LIMESTONE, boundstone, white (2.5Y8/1), moderately hard, moderately indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued) 88.6ft: medium hard to moderately hard, friable to moderately indurated		
-85.2	83.6									RUN-13				
-90.2	88.6									RUN-14				
-95.2	93.6									RUN-15				
-100.2	98.6									RUN-16				
												-102.2	100.6	Boring Terminated at Elevation -102.2 ft

TURKEY POINT COL BORE TURKEY POINT GP1 TURKEY POINT COL.GDF 5/30/08



SHEET 1 OF 1

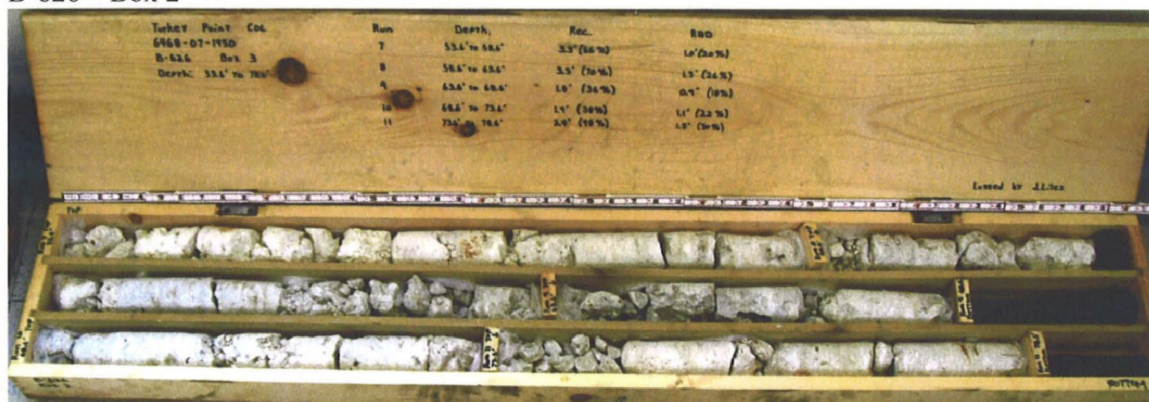
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SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550 (Miller)				DRILLER: R. White/ J. Dugger			GROUND WATER (ft)	
BORING NO.: B-626				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				
GROUND ELEV.: -1.6 ft (NAVD88)				NORTHING: 396,875 US ft (NAD83/90)				EASTING: 876,857 US ft (NAD83/90)		0 HR. NA		
TOTAL DEPTH: 100.6 ft				CASING DEPTH: 4" to 29.4'						HAMMER (ID): 140 lb. Auto (M06)		
DATE STARTED: 3/18/08		COMPLETED: 3/20/08		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 @ 27.1 ft		
-28.7	27.1	1.5	1:47	(1.5)	(1.5)	RUN-1	(19.7)	(15.1)		LIMESTONE, boundstone, white (2.5Y8/1), hard, wet, strong HCl reaction (Upper Fort Thompson Formation) 27.1ft: Switch sampling method to coring (<i>continued</i>) 27.1ft: white (2.5Y8/1), moderately hard, moderately indurated, fossiliferous, strong HCl reaction, few vugs 27.5ft: loss of circulation 28.6ft: hard, indurated 33.6ft: moderately hard, moderately indurated, recrystallized calcite 38.6ft: moderately indurated to indurated, little vugs 43.6ft: white (2.5Y8/1) to 45.3ft then light gray (10YR6/1) to 48.6ft		
-30.2	28.6	5.0	0:41/0.5	100%	100%	RUN-2	92%	70%				
			0:53	(3.9)	(2.7)							
			1:03	78%	54%							
			1:00									
			1:15									
-35.2	33.6	5.0	0:35	(4.7)	(3.1)	RUN-3						
			0:42	94%	62%							
			0:51									
			1:03									
			0:49									
-40.2	38.6	5.0	0:53	(4.6)	(3.0)	RUN-4						
			1:00	92%	60%							
			1:18									
			0:57									
			1:03									
			1:01	(5.0)	(4.8)	RUN-5						
-50.2	48.6	5.0	1:37	100%	96%							
			1:32									
			1:30									
			1:09	(5.0)	(3.8)	RUN-6	(30.9)	(14.4)				
-55.2	53.6	5.0	1:20	100%	76%		59%	28%				
			0:59									
			1:02									
			0:52									
			1:00	(3.3)	(1.0)	RUN-7						
			0:51	66%	20%							
			0:47									
			0:30									
			0:43									
-60.2	58.6	5.0	1:23	(3.5)	(1.3)	RUN-8						
			0:36	70%	26%							
			1:16									
			0:32									
			0:18									
			1:08	(1.8)	(0.9)	RUN-9						
-70.2	68.6	5.0	0:41	36%	18%							
			0:40									
			0:45									
			0:26									
			0:25	(1.9)	(1.1)	RUN-10						
			1:20	38%	22%							
			0:46									
			0:14									
			0:27									
			0:24	(2.4)	(1.5)	RUN-11						
-75.2	73.6	5.0	0:10	48%	30%							
			0:10									
			0:20									
			1:08									
			1:35	(1.3)	(0.3)	RUN-12						
-80.2	78.6	5.0	1:10	26%	6%							
			1:12									
			1:09									
			0:48									
			0:31	(3.5)	(1.5)	RUN-13						
-85.2	83.6	5.0	0:46	70%	30%							
			1:05									
			1:21									
			1:38									
			1:39	(2.9)	(0.4)	RUN-14						
-90.2	88.6	5.0	0:47	58%	8%							
			0:46									
			1:03									
			0:55									
			0:33	(3.8)	(2.6)	RUN-15						
-95.2	93.6	5.0	0:45	76%	52%							
			0:19									
			0:41									
			0:12									
			0:37	(1.5)	(0.0)	RUN-16						
-100.2	98.6	2.0	0:29	75%	0%							
			0:36									
-102.2	100.6											
	</											



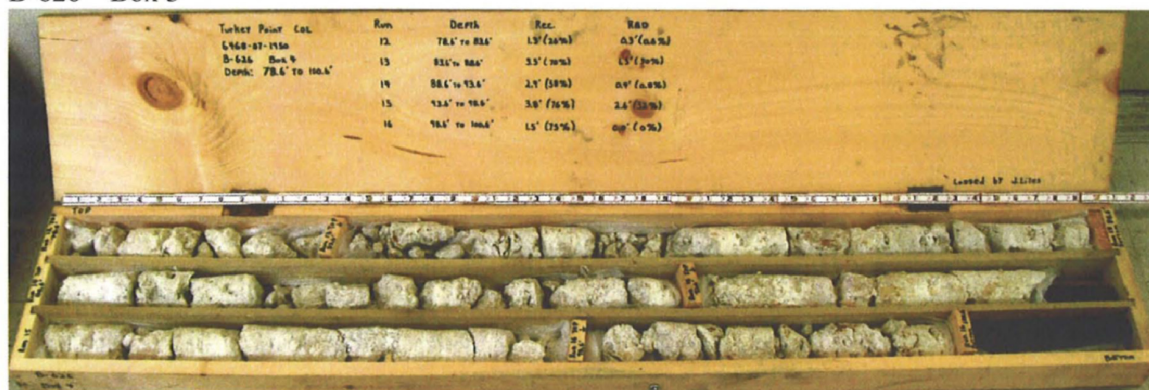
B-626 - Box 1



B-626 - Box 2



B-626 - Box 3



B-626 - Box 4



GEOTECHNICAL BORING LOG

Prepared By 277 Date 5-30-08Checked By MM 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-627					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core					0 HR. NA		
GROUND ELEV.: -1.3 ft (NAVD88)					NORTHING: 396,835 US ft (NAD83/90)					EASTING: 876,333 US ft (NAD83/90)					24 HR. NA		
TOTAL DEPTH: 102.0 ft			BORING DIAMETER: 4" to 30.0', 3" to 102.0'					CASING DEPTH: 4" to 30.0'					HAMMER (ID): 140 lb. Auto (MEC-03)				
DATE STARTED: 4/8/08			COMPLETED: 4/9/08			CORE SIZE: HQ3			BITS USED: 4" Roller Cone								
ELEV.	DEPTH	BLOW COUNT			BLOWS PER FOOT						SAMP.	LOG	SOIL AND ROCK DESCRIPTION				
(ft)	(ft)	0.5ft	0.5ft	0.5ft	0	20	40	60	80	100	NO.						
-1.3					Ground Surface												
-1.3	0.0	WOR	WOR	WOR	0							627-1		-1.3	0.0		
-3.8	2.5				8							627-2		-4.2	2.9		
-6.3	5.0	4	3	5								627-3					
-8.8	7.5	8	7	6								627-4					
-11.3	10.0	14	5	6								627-5					
-13.8	12.5	5	4	7								627-6					
-16.3	15.0	11	9	10								627-7					
-20.5	19.2	6	16	17								627-8					
		4	8	4													
-25.5	24.2											627-9					
		4	20	18													
-30.5	29.2											627-10		-28.3	27.0		
-31.6	30.3	6	49	50/0.1								RUN-1					
-34.3	33.0									99/0.6		RUN-2					
												RUN-3					
-39.3	38.0											RUN-4					
												RUN-5					
-44.3	43.0											RUN-6					
												RUN-7					
-49.3	48.0											RUN-8		-48.8	47.5		
												RUN-9					
-54.3	53.0											RUN-10					
-59.3	58.0																
-64.3	63.0																
-69.3	68.0																
-74.3	73.0																

TURKEY POINT COL BORE 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: L. Bisson									
SITE DESCRIPTION: Turkey Point COL		DRILL MACHINE: CME-550 (ATL)		DRILLER: L. Carter/ J. Landeros		GROUND WATER (ft)									
BORING NO.: B-627		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA									
GROUND ELEV.: -1.3 ft (NAVD88)		NORTHING: 396,835 US ft (NAD83/90)		EASTING: 876,333 US ft (NAD83/90)		24 HR. NA									
TOTAL DEPTH: 102.0 ft		BORING DIAMETER: 4" to 30.0', 3" to 102.0'		CASING DEPTH: 4" to 30.0'		HAMMER (ID): 140 lb. Auto (MEC-03)									
DATE STARTED: 4/8/08		COMPLETED: 4/9/08		CORE SIZE: HQ3		BITS USED: 4" 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					
-76.1					Continued from previous page										
-79.3	78.0										RUN-11		73.0ft: soft to medium hard, and possible thin sand lenses LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, fossiliferous, trace vugs, trace shell molds and cast, strong HCl reaction (Lower Fort Thompson Formation) (continued) 78.0ft: white (10YR8/1), to light gray (10YR7/1), medium hard to moderately hard, moderately indurated to indurated, sandy, trace to few shell molds and casts 83.0ft: moderately indurated 88.0ft: white (2.5Y8/1), hard, indurated 93.0ft: medium hard to hard, moderately indurated 98.0ft: moderately hard, moderately indurated		
-84.3	83.0										RUN-12				
-89.3	88.0										RUN-13				
-94.3	93.0										RUN-14				
-99.3	98.0										RUN-15				
													-103.3	102.0	Boring Terminated at Elevation -103.3 ft

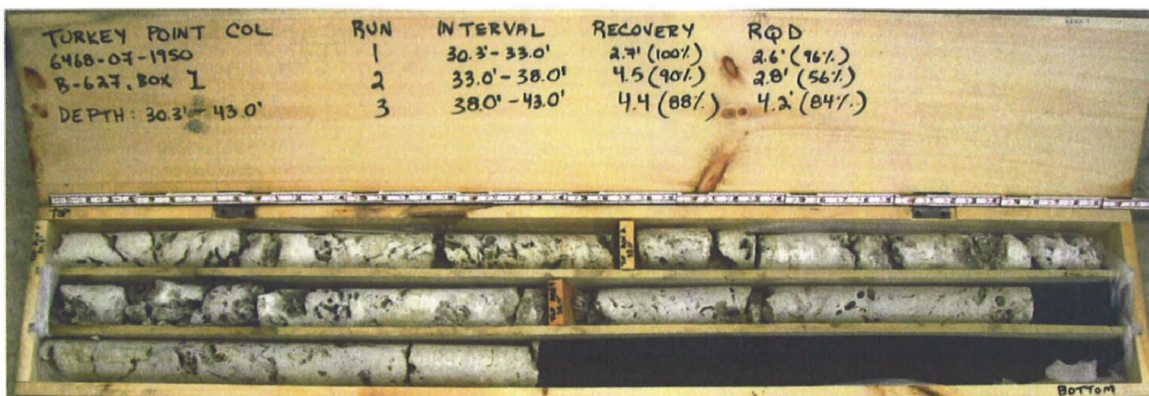
TURKEY POINT COL BORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 5 30:08



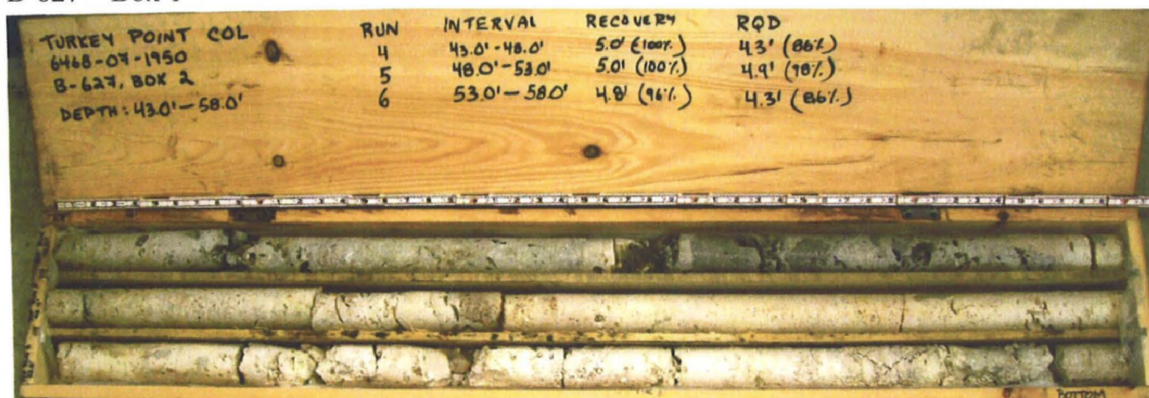
SHEET 1 OF 1

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade		GEOLOGIST: 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-627				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core			
GROUND ELEV.: -1.3 ft (NAVD88)				NORTHING: 396,835 US ft (NAD83/90)				EASTING: 876,333 US ft (NAD83/90)			
TOTAL DEPTH: 102.0 ft				CASING DEPTH: 4" to 30.0'						HAMMER (ID): 140 lb. Auto (MEC-03)	
DATE STARTED: 4/8/08		COMPLETED: 4/9/08		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 @ 30.3 ft	
-31.6	30.3	2.7	1:52	(2.7)	(2.6)	RUN-1	(16.1)	(13.3)		LIMESTONE, boundstone, white (2.5Y8/1), hard, wet, fossiliferous, strong HCl reaction (Upper Fort Thompson Formation) (continued) 30.3ft: white (10YR8/1), hard, indurated, fossiliferous, trace recrystallized calcite, coralline, strong HCl reaction, few vugs 33.0ft: white (10YR8/1), to light gray (2.5Y7/1), medium hard to hard	
-34.3	33.0		1:42	100%	96%		94%	77%			
		5.0	1:26/0.7	(4.5)	(2.8)	RUN-2					
			2:15	90%	56%						
			1:30								
			1:35								
-39.3	38.0		1:22								
		5.0	0:56	(4.4)	(4.2)	RUN-3				38.0ft: white (2.5Y8/1), hard	
			1:46	88%	84%						
			1:27								
			1:41								
-44.3	43.0		1:51								
		5.0	1:35	(5.0)	(4.3)	RUN-4				43.0ft: white (2.5Y8/1) to 46.0ft then gray (2.5Y6/1) to 47.5ft	
			2:25	100%	86%						
			1:57								
-49.3	48.0		2:17								
		5.0	1:55	(5.0)	(4.9)	RUN-5	(42.7)	(26.3)	-48.8	LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, fossiliferous, trace vugs, trace shell molds and cast, strong HCl reaction (Lower Fort Thompson Formation) 48.0ft: trace shell molds and casts	
			1:12	100%	98%		78%	48%			
			0:52								
-54.3	53.0		1:32								
		5.0	1:16	(4.8)	(4.3)	RUN-6				53.0ft: white (10YR8/1), moderately hard, sandy, trace to few shell molds and casts	
			0:48	96%	86%						
			1:12								
-59.3	58.0		2:07								
		5.0	1:04	(5.0)	(3.4)	RUN-7				58.0ft: hard	
			1:07	100%	68%						
			0:53								
			1:34								
			2:12								
-64.3	63.0		1:22	(3.2)	(0.0)	RUN-8				63.0ft: white (2.5Y8/1), soft to medium hard, moderately indurated	
		5.0	0:47	64%	0%						
			0:21								
			0:22								
			0:22								
-69.3	68.0		0:25	(2.5)	(0.5)	RUN-9				68.0 to 71.0ft: fine grained sand, white (10YR8/1), to light gray (10YR7/1), unconsolidated, strong HCl reaction	
		5.0	0:45	50%	10%					71.0ft: LIMESTONE, boundstone, light gray (10YR7/1), medium hard, moderately indurated, sandy, strong HCl reaction	
			0:03								
			0:04								
			0:08								
-74.3	73.0		0:36	(1.3)	(0.4)	RUN-10				73.0ft: soft to medium hard, and possible thin sand lenses	
		5.0	1:45	26%	8%						
			0:21								
			0:08								
			0:22								
-79.3	78.0		0:16	(4.3)	(2.5)	RUN-11				78.0ft: white (10YR8/1), to light gray (10YR7/1), medium hard to moderately hard, moderately indurated to indurated, sandy, trace to few shell molds and casts	
		5.0	0:08	86%	50%						
			1:07								
			1:25								
-84.3	83.0		0:59	(4.0)	(2.2)	RUN-12				83.0ft: moderately indurated	
		5.0	1:02	80%	44%						
			1:43								
			0:06								
			0:26								
-89.3	88.0		1:55	(5.0)	(4.0)	RUN-13				88.0ft: white (2.5Y8/1), hard, indurated	
		5.0	2:45	100%	80%						
			1:01								
			1:13								
			1:15								
-94.3	93.0		1:13	(3.3)	(2.0)	RUN-14				93.0ft: medium hard to hard, moderately indurated	
		5.0	0:41	66%	40%						
			0:05								
			0:32								
			0:43								
-99.3	98.0		1:04	(3.8)	(1.6)	RUN-15				98.0ft: moderately hard, moderately indurated	
		4.0	1:02	95%	40%						
			0:53								
			0:37								
-103.3	102.0		0:49								
			0:32								
										Coring Terminated at Elevation -103.3	

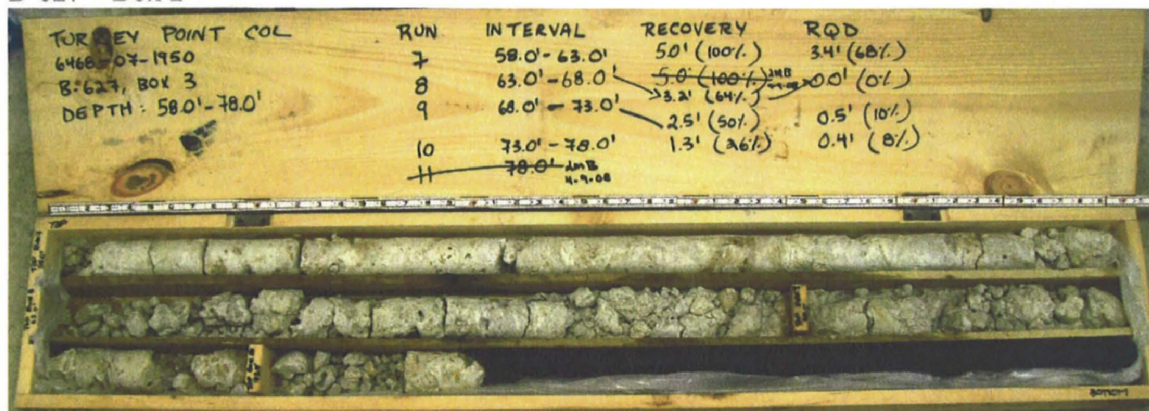
TURKEY POINT COL CORE TURKEY POINT GP TURKEY POINT COL GDT 530.08



B-627 - Box 1



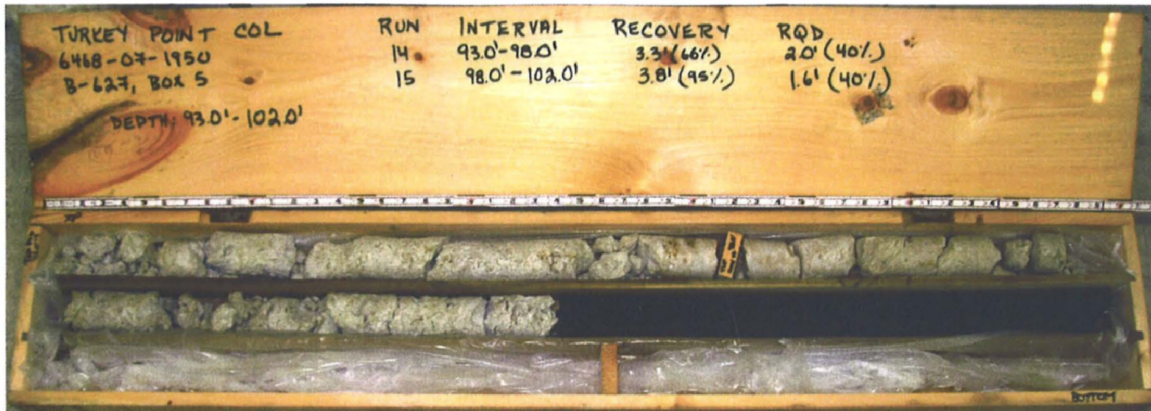
B-627 - Box 2



B-627 - Box 3



B-627 - Box 4



B-627 - Box 5

GEOTECHNICAL BORING LOG

Prepared By JPZ Date 8-19-08

Checked By 502 Date 8/19/08

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-628					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core					0 HR. NA		
GROUND ELEV.: -1.5 ft (NAVD88)					NORTHING: 397,073 US ft (NAD83/90)					EASTING: 876,473 US ft (NAD83/90)					24 HR. NA		
TOTAL DEPTH: 127.9 ft					BORING DIAMETER: 4" to 36.0', 3" to 127.9'					CASING DEPTH: 4" to 36.0', 3" to 118.0'					HAMMER (ID):140 lb. Auto (07)		
DATE STARTED: 2/19/08					COMPLETED: 2/21/08					CORE SIZE: HQ3					BITS USED: 2 15/16" & 3 7/8" Tricones		
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				
-1.5					Ground Surface												
-1.5	0.0	WOH	WOH	WOH	0							-1.5	MUCK, light brownish gray (10YR6/2), very soft to soft, wet, strong HCl reaction, mostly organic, shells fragments	0.0			
-4.3	2.8																
-6.8	5.3	WOH	4	8								-5.3	LIMESTONE, boundstone, pale yellow (5Y8/3), very soft, wet, strong HCl reaction, fossiliferous (Miami Formation)	3.8			
-9.3	7.8																
-11.7	10.2												7.8ft: friable, with clasts or infilled voids				
-14.2	12.7												10.2ft: soft				
-16.6	15.1												12.7ft: medium hard				
-19.8	18.3																
													18.3ft: very soft				
-24.8	23.3																
-29.5	28.0											-25.5	LIMESTONE, boundstone, pale yellow (5Y8/2), medium hard, wet, friable, porous, fossiliferous, strong HCl reaction (Upper Fort Thompson Formation)	24.0			
-34.5	33.0																
-37.5	36.0												33.0ft: hard, coralline				
													36.0ft: Switch sampling method to coring				
-42.5	41.0												36.0ft: white (2.5Y8/1), hard, indurated, fossiliferous, little vugs lined with recrystallized calcite, strong HCl reaction				
-47.5	46.0												39.0ft: loss of circulation				
													41.0ft: pale yellow (5Y8/3)				
-52.5	51.0											-49.9	46.0ft: pale yellow (5Y8/3) to 46.4ft then light gray (N7) to 48.4ft	48.4			
-57.5	56.0												LIMESTONE, boundstone, white (5Y8/1), hard, indurated, porous, few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)				
-62.5	61.0												56.0ft: moderately hard, moderately indurated, trace sand lenses				
-67.5	66.0												61.0ft: medium to moderately hard, friable to moderately indurated, few shell molds				
-72.5	71.0												66.0ft: moderately indurated to indurated				



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-628			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA		
GROUND ELEV.: -1.5 ft (NAVD88)			NORTHING: 397,073 US ft (NAD83/90)			EASTING: 876,473 US ft (NAD83/90)			24 HR. NA		
TOTAL DEPTH: 127.9 ft			BORING DIAMETER: 4" to 36.0', 3" to 127.9'			CASING DEPTH: 4" to 36.0', 3" to 118.0'			HAMMER (ID): 140 lb. Auto (07)		
DATE STARTED: 2/19/08			COMPLETED: 2/21/08			CORE SIZE: HQ3			BITS USED: 2 15/16" & 3 7/8" Tricones		

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			
-76.3					Continued from previous page								
-77.5	76.0										RUN-9		LIMESTONE, boundstone, white (5Y8/1), hard, indurated, porous, few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued)
-82.5	81.0										RUN-10		75.0ft: some circulation returned
-87.5	86.0										RUN-11		81.0ft: moderately hard to hard, moderately indurated to indurated, little vugs
-92.5	91.0										RUN-12		86.0ft: fine to medium grained calcareous sand lenses
-97.5	96.0										RUN-13		91.0ft: medium hard, friable to moderately indurated, some vugs filled with calcareous medium grained sand
-102.5	101.0										RUN-1		96.0ft: moderately hard, indurated
-107.5	106.0										RUN-15		101ft: hard, indurated, shell molds and casts
-112.5	111.0										RUN-16		
-117.5	116.0	7	7	4							628-12		116.0ft: Switch sampling method to SPT
-122.9	121.4	5	5	6							628-13		Silty SAND (SM), light greenish gray (10YR8/1), medium dense, wet, strong HCl reaction, fine grained sand
-127.9	126.4	3	2	3							628-14		126.4ft: loose
													Boring Terminated at Elevation -129.4 ft

TURKEY POINT COL BORE, TURKEY POINT GPJ, TURKEY POINT COL GDT, 8/18/08



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) 0 HR. NA 24 HR. NA	
BORING NO.: B-628				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core					
GROUND ELEV.: -1.5 ft (NAVD88)				NORTHING: 397,073 US ft (NAD83/90)				EASTING: 876,473		US ft (NAD83/90)			
TOTAL DEPTH: 127.9 ft				CASING DEPTH: 4" to 36.0', 3" to 118.0'						HAMMER (ID): 140 lb. Auto (07)			
DATE STARTED: 2/19/08		COMPLETED: 2/21/08		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) %		SAMP. NO.	STRATA REC. (ft) %		RQD (ft) %	L O G	DESCRIPTION AND REMARKS		
											Begin Coring @ 36.0 ft		
-37.5	36.0	5.0	1:06 0:43 1:28 2:07	(5.0) 100%	(4.5) 90%	RUN-1	(12.4) 100%	(11.9) 96%			LIMESTONE, boundstone, pale yellow (5Y8/2), medium hard, wet, friable, porous, fossiliferous, strong HCl reaction (Upper Fort Thompson Formation) (continued) 36.0ft: white (2.5Y8/1), hard, indurated, fossiliferous, little vugs lined with recrystallized calcite, strong HCl reaction		
-42.5	41.0	5.0	2:02 1:16 1:56 1:36 1:33	(5.0) 100%	(5.0) 100%	RUN-2					39.0ft: loss of circulation 41.0ft: pale yellow (5Y8/3) 46.0ft: pale yellow (5Y8/3) to 46.4ft then light gray (N7/) to 48.4ft		
-47.5	46.0	5.0	1:14 2:11 3:05 3:36 3:26	(5.0) 100%	(5.0) 100%	RUN-3					48.4		
-52.5	51.0	5.0	2:02 1:33 2:36 2:14 1:28	(5.0) 100%	(5.0) 100%	RUN-4	(44.8) 66%	(32.7) 48%			LIMESTONE, boundstone, white (5Y8/1), hard, indurated, porous, few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)		
-57.5	56.0	5.0	2:21 2:33 1:05 0:45 2:05	(4.6) 92%	(4.2) 84%	RUN-5					56.0ft: moderately hard, moderately indurated, trace sand lenses		
-62.5	61.0	5.0	1:14 1:22 1:05 0:52 0:29	(3.2) 64%	(2.3) 46%	RUN-6					61.0ft: medium to moderately hard, friable to moderately indurated, few shell molds		
-67.5	66.0	5.0	1:20 0:33 0:21 0:33 1:40	(2.8) 56%	(1.2) 24%	RUN-7					66.0ft: moderately indurated to indurated		
-72.5	71.0	5.0	0:52 0:51 1:02 0:33 1:33	(3.1) 62%	(1.4) 28%	RUN-8					75.0ft: some circulation returned		
-77.5	76.0	5.0	0:29 0:22 1:45 2:13 2:02	(1.1) 22%	(0.4) 8%	RUN-9					81.0ft: moderately hard to hard, moderately indurated to indurated, little vugs		
-82.5	81.0	5.0	0:58 0:51 2:24 0:22 0:03	(2.6) 52%	(0.9) 18%	RUN-10					86.0ft: fine to medium grained calcareous sand lenses		
-87.5	86.0	5.0	0:01 0:40 0:46 1:01 2:25	(2.2) 44%	(1.1) 22%	RUN-11					91.0ft: medium hard, friable to moderately indurated, some vugs filled with calcareous medium grained sand		
-92.5	91.0	5.0	0:52 0:32 1:31 0:44 1:11	(4.2) 84%	(3.0) 60%	RUN-12					96.0ft: moderately hard, indurated		
-97.5	96.0	5.0	1:02 1:01 0:55 1:05 1:09	(2.7) 54%	(1.8) 36%	RUN-13					101ft: hard, indurated, shell molds and casts		
-102.5	101.0	5.0	0:41 0:36 0:53 0:39 0:54	(4.2) 84%	(3.4) 68%	RUN-14							
-107.5	106.0	5.0	0:45 0:52 0:35 0:36 0:54	(5.0) 100%	(4.8) 96%	RUN-15							
-112.5	111.0												

TURKEY POINT COL CORE TURKEY POINT GPJ TURKEY POINT COL GDT 8/18/08



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-628	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.5 ft (NAVD88)	NORTHING: 397,073 US ft (NAD83/90)	EASTING: 876,473 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 127.9 ft	CASING DEPTH: 4" to 36.0', 3" to 118.0'	HAMMER (ID): 140 lb. Auto (07)	
DATE STARTED: 2/19/08	COMPLETED: 2/21/08	CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

ELEV (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		L O G	DESCRIPTION AND REMARKS
				REC (ft) %	RQD (ft) %		REC (ft) %	RQD (ft) %		
										Continued from previous page
		5.0	0.26 0.15 0.28 0.24 0.48	(1.5) 30%	(0.6) 12%	RUN-16				LIMESTONE, boundstone, white (5Y8/1), hard, indurated, porous, few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued)
-117.5	116.0									-117.5 116.0
										Coring Terminated at Elevation -117.5

TURKEY POINT COL CORE TURKEY POINT COL GDT 8/18/08