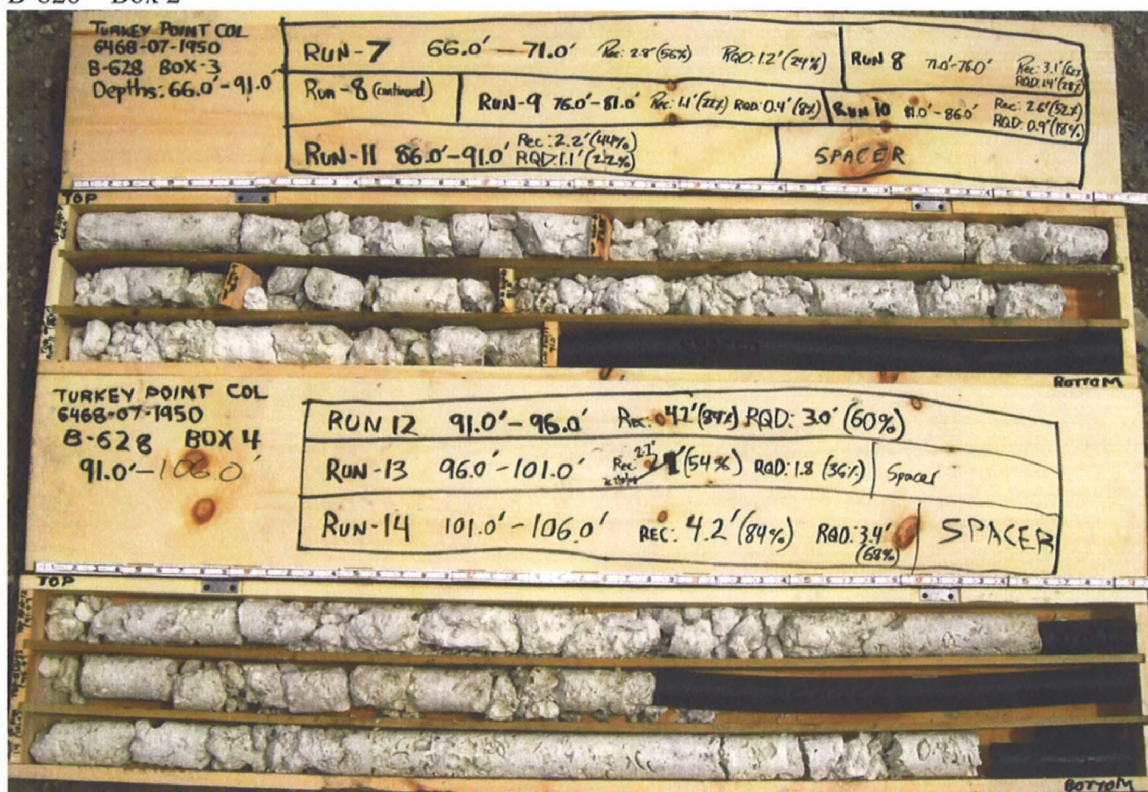




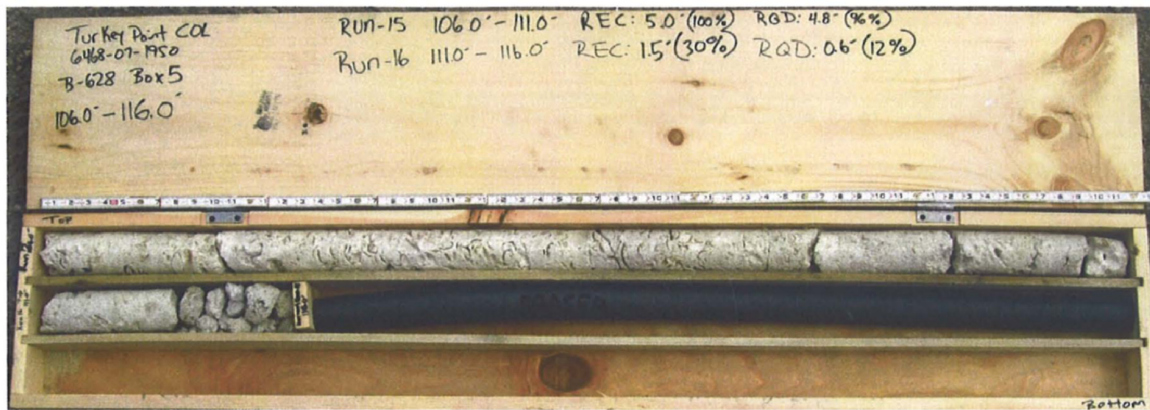
B-628 - Box 1

B-628 - Box 2



B-628 - Box 3

B-628 - Box 4



B-628 - Box 5



GEOTECHNICAL BORING LOG

Prepared By JPJ Date 5-30-08

Checked By [Signature] 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-629					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core				0 HR. NA			
GROUND ELEV.: -1.1 ft (NAVD88)					NORTHING: 396,972 US ft (NAD83/90)					EASTING: 876,346 US ft (NAD83/90)				24 HR. NA			
TOTAL DEPTH: 100.3 ft			BORING DIAMETER: 4" to 35.0', 3" to 100.3'					CASING DEPTH: 4" to 35.0'				HAMMER (ID): 140 lb. Auto (MEC-03)					
DATE STARTED: 4/6/08			COMPLETED: 4/7/08			CORE SIZE: HQ3			BITS USED: 4" 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							
-1.1					Ground Surface												
-1.1	0.0	WOR	WOR	WOR	0						629-1			-1.1	0.0		
-3.6	2.5	WOR	2	4	6						629-2A/B			-4.6	3.5		
-6.1	5.0	4	5	6	11						629-3			2.5ft: black (10YR2/1)			
-8.6	7.5	5	6	5	11						629-4			LIMESTONE, boundstone, pale yellow (2.5Y8/3), very soft, sandy, strong HCl reaction (Miami Formation)			
-11.1	10.0	4	4	2	6						629-5			5.0ft: fossiliferous, oolitic			
-13.6	12.5	4	14	9	23						629-6			7.5ft: pale yellow (2.5Y8/2), to light gray (2.5Y7/1)			
-16.1	15.0	6	15	12	27						629-7			12.5ft: white (2.5Y8/1), to light gray (2.5Y7/1), soft			
-20.5	19.4	4	3	2	5						629-8			19.4ft: white (10YR8/1), very soft			
-25.5	24.4	3	7	4	11						629-9						
-30.5	29.4	12	21	15	36						629-10			-28.1	27.0		
-35.5	34.4	50/0.3												LIMESTONE, boundstone, white (2.5Y8/1), medium hard, wet, fossiliferous, strong HCl reaction (Upper Fort Thompson Formation)			
-35.8	34.7												629-11			32.0ft: loss of circulation	
-39.4	38.3												RUN-1			34.4ft: hard	
													RUN-2			34.7ft: Switch sampling method to coring	
-44.4	43.3												RUN-3			34.7ft: white (10YR8/1), hard, indurated, fossiliferous, strong HCl reaction, trace vugs	
-48.1	47.0												RUN-4			38.3ft: recrystallized calcite, coralline	
-49.4	48.3												RUN-5			-49.4	48.3
-54.4	53.3												RUN-6			43.3ft: white (10YR8/1) to 46.3ft then gray (10YR6/1), few vugs	
-59.4	58.3												RUN-7			47.0ft: gray (10Y6/1) to 48.3ft	
-64.4	63.3												RUN-8			LIMESTONE, boundstone, white (10YR8/1), medium hard to hard, indurated, fossiliferous, trace vugs, trace shell molds, strong HCl reaction (Lower Fort Thompson Formation)	
-69.4	68.3												RUN-9			53.3ft: white (2.5Y8/1), medium hard, moderately indurated, little sand, few to little shell molds	
-74.4	73.3												RUN-10			58.3ft: white (10YR8/1), soft to medium hard, moderately indurated	
																63.3ft: moderately indurated to indurated	
													73.3ft: white (2.5Y8/1), to light gray (2.5Y7/1)				

TURKEY POINT COL BORE 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-629			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA						
GROUND ELEV.: -1.1 ft (NAVD88)			NORTHING: 396,972 US ft (NAD83/90)			EASTING: 876,346 US ft (NAD83/90)			24 HR. NA						
TOTAL DEPTH: 100.3 ft			BORING DIAMETER: 4" to 35.0', 3" to 100.3'			CASING DEPTH: 4" to 35.0'			HAMMER (ID): 140 lb. Auto (MEC-03)						
DATE STARTED: 4/6/08			COMPLETED: 4/7/08			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	MOI				
-75.9					Continued from previous page										
-79.4	78.3									RUN-11			LIMESTONE, boundstone, white (10YR8/1), medium hard to hard, indurated, fossiliferous, trace vugs, trace shell molds, strong HCl reaction (Lower Fort Thompson Formation) (continued) 78.3ft: medium hard to moderately hard, moderately indurated to indurated, trace shell molds 83.3ft: white (2.5Y8/1), hard, indurated, few shell molds and casts 88.3ft: white (10YR8/1), moderately hard 93.3ft: soft to medium hard, moderately indurated, 98.3ft: medium hard to hard		
-84.4	83.3									RUN-12					
-89.4	88.3									RUN-13					
-94.4	93.3									RUN-14					
-99.4	98.3									RUN-15					
													-101.4	100.3	Boring Terminated at Elevation -101.4 ft

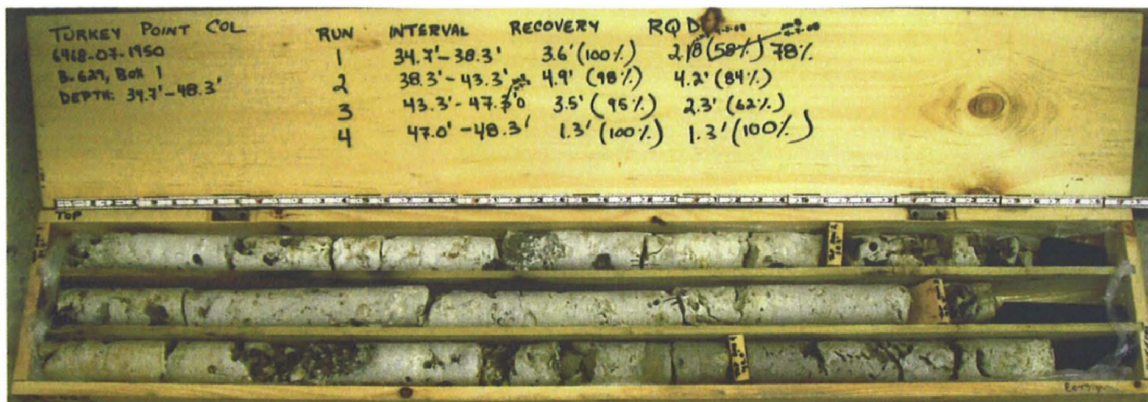
TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL GDT 5 3008



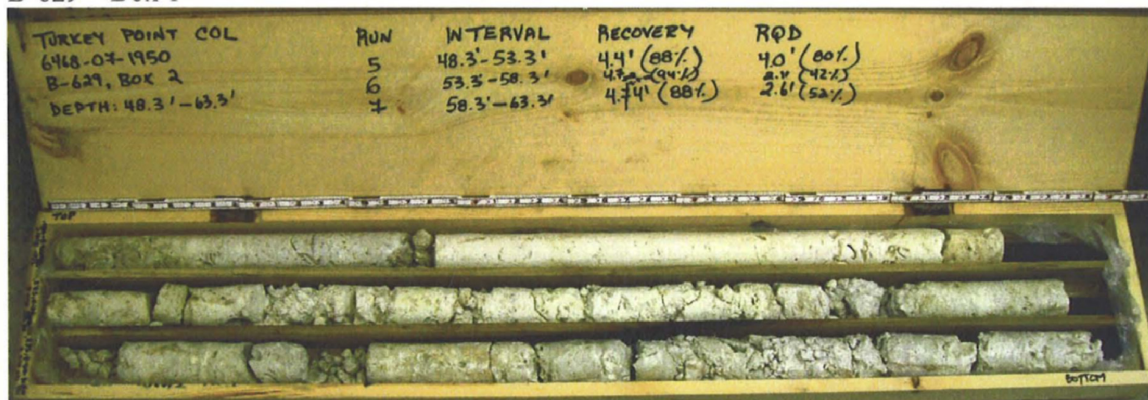
SHEET 1 OF 1

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-629				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.1 ft (NAVD88)				NORTHING: 396,972 US ft (NAD83/90)				EASTING: 876,346 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 100.3 ft				CASING DEPTH: 4" to 35.0'						HAMMER (ID): 140 lb. Auto (MEC-03)			
DATE STARTED: 4/6/08		COMPLETED: 4/7/08		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 @ 34.7 ft	
-35.8	34.7	3.6	1:25 1:30 1:16	(3.6) 100%	(2.8) 78%	RUN-1	(13.3) 98%	(10.6) 78%				LIMESTONE, boundstone, white (2.5Y8/1), medium hard, wet, fossiliferous, strong HCl reaction (Upper Fort Thompson Formation) (continued)	
-39.4	38.3	5.0	0:52/0.6 0:56 1:06 1:09 1:07 0:57	(4.9) 98%	(4.2) 84%	RUN-2						34.7ft: white (10YR8/1), hard, indurated, fossiliferous, strong HCl reaction, trace vugs 38.3ft: recrystallized calcite, coralline	
-44.4	43.3	3.7	1:05 1:02 1:04	(3.5) 95%	(2.3) 62%	RUN-3						43.3ft: white (10YR8/1) to 46.3ft then gray (10YR6/1), few vugs	
-48.1	47.0	1.3	1:27/0.7	(1.3) 100%	(1.3) 100%	RUN-4						47.0ft: gray (10Y6/1) to 48.3ft	
-49.4	48.3	5.0	0:17/0.3 1:11 0:52 1:48 1:07 0:52	(4.4) 88%	(4.0) 80%	RUN-5	(43.5) 84%	(23.2) 45%				LIMESTONE, boundstone, white (10YR8/1), medium hard to hard, indurated, fossiliferous, trace vugs, trace shell molds, strong HCl reaction (Lower Fort Thompson Formation)	
-54.4	53.3	5.0	0:22 0:16 0:11 0:17 0:36	(4.7) 94%	(2.1) 42%	RUN-6						53.3ft: white (2.5Y8/1), medium hard, moderately indurated, little sand, few to little shell molds	
-59.4	58.3	5.0	0:30 1:24 0:59 1:00 1:11	(4.4) 88%	(2.6) 52%	RUN-7						58.3ft: white (10YR8/1), soft to medium hard, moderately indurated	
-64.4	63.3	5.0	0:12 0:21 0:31 0:52 0:43	(2.8) 56%	(0.6) 12%	RUN-8						63.3ft: moderately indurated to indurated	
-69.4	68.3	5.0	0:38 2:01 0:59 2:06 1:37	(4.2) 84%	(1.6) 32%	RUN-9							
-74.4	73.3	5.0	1:26 1:39 0:32 0:27 1:35	(3.3) 66%	(1.5) 30%	RUN-10						73.3ft: white (2.5Y8/1), to light gray (2.5Y7/1)	
-79.4	78.3	5.0	1:10 1:46 1:19 0:51 0:53	(5.0) 100%	(2.7) 54%	RUN-11						78.3ft: medium hard to moderately hard, moderately indurated to indurated, trace shell molds	
-84.4	83.3	5.0	0:55 0:54 0:20 0:47 1:15	(4.5) 90%	(1.5) 30%	RUN-12						83.3ft: white (2.5Y8/1), hard, indurated, few shell molds and casts	
-89.4	88.3	5.0	1:35 1:55 1:50 0:56 0:61	(5.0) 100%	(3.5) 70%	RUN-13						88.3ft: white (10YR8/1), moderately hard	
-94.4	93.3	5.0	1:17 0:37 0:19 0:27 0:08	(3.2) 64%	(1.4) 28%	RUN-14						93.3ft: soft to medium hard, moderately indurated,	
-99.4	98.3	2.0	0:20 0:33	(2.0) 100%	(1.7) 85%	RUN-15						98.3ft: medium hard to hard	
-101.4	100.3											Coring Terminated at Elevation -101.4	

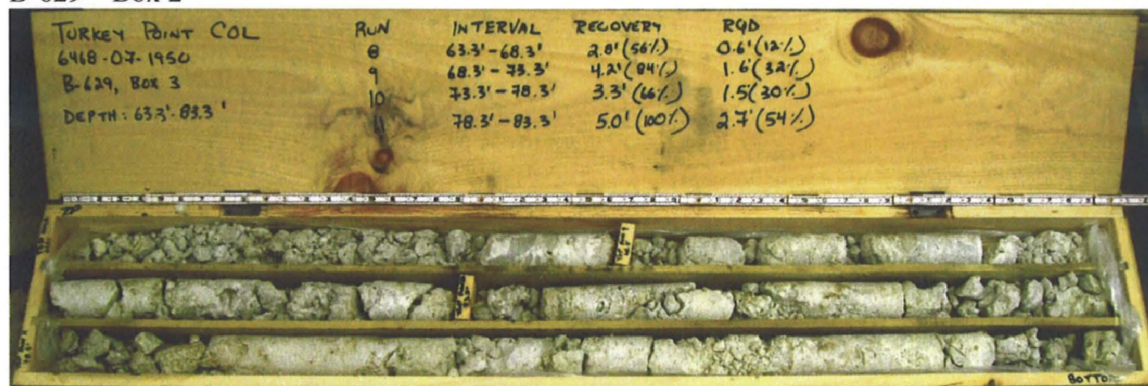
TURKEY POINT COL CORE TURKEY POINT GIP TURKEY POINT COL GDT 5/30/08



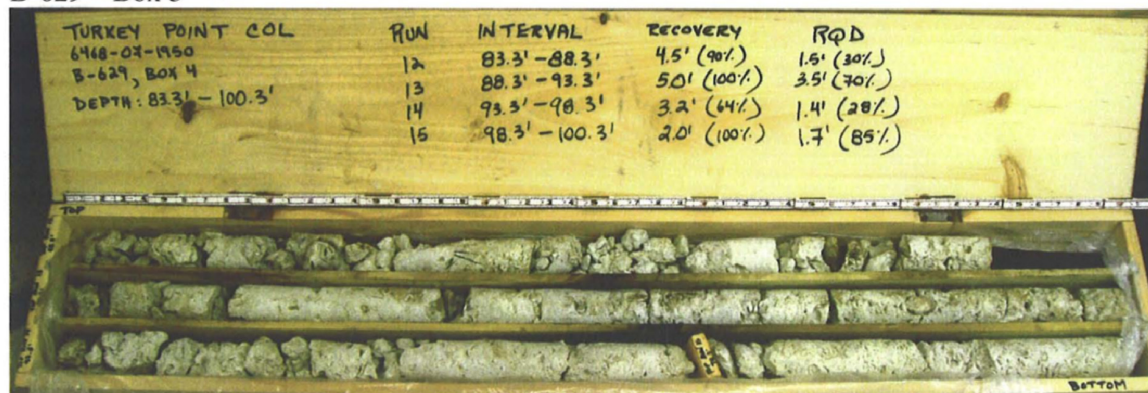
B-629 - Box 1



B-629 - Box 2



B-629 - Box 3



B-629 - Box 4



GEOTECHNICAL BORING LOG

Prepared By JMZ Date 8-19-08

Checked By SS Date 8/19/08

SHEET 1 OF 4

BECHTEL PROJECT NO.: 25409					MACTEC PROJECT NO.: 6468-07-1950					COUNTY: Miami-Dade			GEOLOGIST: S. Woodham				
SITE DESCRIPTION: Turkey Point COL					DRILL MACHINE: CME-550X (ATL)					DRILLER: R. Landeros/ N. Rodriguez					GROUND WATER (ft)		
BORING NO.: B-630					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core/UD					0 HR. NA		
GROUND ELEV.: -1.5 ft (NAVD88)					NORTHING: 396,872 US ft (NAD83/90)					EASTING: 876,462 US ft (NAD83/90)					24 HR. NA		
TOTAL DEPTH: 294.0 ft			BORING DIAMETER: 6" to 108.8', 5" to 294.0'					CASING DEPTH: 4" to 26.0', 6" to 108.8'					HAMMER (ID):140 lb. Auto (MEC-05)				
DATE STARTED: 4/9/08			COMPLETED: 4/29/08			CORE SIZE: HQ3			BITS USED: 4 7/8" & 3 7/8" Roller Cones								
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	WOR	WOR	WOR	0						630-1		-1.5	MUCK, no recovery			
-4.7	3.2										630-2		-4.5				
-6.7	5.2	8	11	9		20					630-3			LIMESTONE, boundstone, pale yellow (5Y8/2), very soft, wet, strong HCl reaction, few fines, oolitic (Miami Formation)			
-9.4	7.9	8	10	12		22					630-4		5.2ft: soft				
-11.5	10.0	6	6	5		11					630-5		7.9ft: very soft				
-14.3	12.8	5	5	4		9					630-6						
		11	13	9		22							12.8ft: soft, fossiliferous				
-19.3	17.8	5	4	7		11					630-7		17.8ft: very soft				
-24.3	22.8	5	8	5		13					630-8		22.8ft: trace fines				
-29.7	28.2												-27.5				
-30.7	29.2	50/0.4									630-9		-26.0	LIMESTONE, boundstone, pale yellow (5Y8/2), hard, wet, strong HCl reaction (Upper Fort Thompson Formation)			
-33.9	32.4										RUN-1		29.2ft: Switch sampling method to coring				
-34.9	33.4										RUN-2		29.6ft: white (2.5YR8/1), hard, indurated, fossiliferous, strong HCl reaction, coralline, trace shell molds, few vugs				
											RUN-3		32.4ft: very hard				
													33.4ft: hard, recrystallized calcite				
-39.9	38.4										RUN-4		38.4ft: white (10YR8/1)				
-44.9	43.4										RUN-5		43.4ft: white (10YR8/1) to 45.1ft then gray (N5/) to 47.9ft				
-49.9	48.4										RUN-6		-49.4	LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, fossiliferous, trace shell molds, strong HCl reaction (Lower Fort Thompson Formation)			
-54.9	53.4										RUN-7		53.4ft: white (10YR8/1)				
-59.9	58.4										RUN-8		58.4ft: trace coarse grained sand				
-64.9	63.4										RUN-9						
-69.9	68.4										RUN-10						
-74.9	73.4										RUN-11						

TURKEY POINT COL BORE: TURKEY POINT GPJ TURKEY POINT COL GDT 8/19/08



SHEET 2 OF 4

BECHTEL PROJECT NO.: 25409		MACTEC PROJECT NO.: 6468-07-1950		COUNTY: Miami-Dade		GEOLOGIST: S. Woodham							
SITE DESCRIPTION: Turkey Point COL		DRILL MACHINE: CME-550X (ATL)		DRILLER: R. Landeros/ N. Rodriguez		GROUND WATER (ft)							
BORING NO.: B-630		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core/UD		0 HR. NA							
GROUND ELEV.: -1.5 ft (NAVD88)		NORTHING: 396,872 US ft (NAD83/90)		EASTING: 876,462 US ft (NAD83/90)		24 HR. NA							
TOTAL DEPTH: 294.0 ft		BORING DIAMETER: 6" to 108.8", 5" to 294.0'		CASING DEPTH: 4" to 26.0', 6" to 108.8'		HAMMER (ID): 140 lb. Auto (MEC-05)							
DATE STARTED: 4/9/08		COMPLETED: 4/29/08		CORE SIZE: HQ3		BITS USED: 4 7/8" & 3 7/8" Roller Cones							
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								
-79.9	78.4										RUN-12		LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, fossiliferous, trace shell molds, strong HCl reaction (Lower Fort Thompson Formation) (continued)
-84.9	83.4										RUN-13		83.4ft: moderately hard
-89.9	88.4										RUN-14		88.4 to 90.6ft: massive
-94.9	93.4										RUN-15		93.4ft: sandy, few vugs
-99.9	98.4										RUN-16		98.4ft: moderately hard, little to some shell molds and casts
-104.9	103.4										RUN-17		103.4ft: hard
-109.9	108.4										RUN-18		
-114.9	113.4										RUN-19		
-119.9	118.4										630-UD-1		115.0ft: Possible Silty SAND (SM); no recovery (Tamiami Formation)
													118.4ft: Switch sampling method to Pitcher barrel
													118.4ft: coarse sand with limestone fragments - recovery 1.4ft
-131.0	129.5										630-UD-2		129.5ft: Silty SAND (SM), light yellowish brown (2.5YR6/3), fine grained sand - recovery 1.2ft
-134.0	132.5										630-UD-3		132.5ft: Silty SAND (SM), greenish gray (10Y6/1), fine grained sand - recovery 1.2ft
-140.0	138.5										630-UD-4		138.6ft: Silty SAND (SM), greenish gray (10Y6/1), layers of cemented sand - recovery 2.0ft
-150.0	148.5										630-UD-5		148.5ft: no recovery

TURKEY POINT COL BORE: TURKEY POINT GPI TURKEY POINT COL GDT 8/19/08



SHEET 3 OF 4

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade				GEOLOGIST: S. Woodham			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550X (ATL)				DRILLER: R. Landeros/ N. Rodriguez				GROUND WATER (ft)			
BORING NO.: B-630				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core/UD				0 HR. NA			
GROUND ELEV.: -1.5 ft (NAVD88)				NORTHING: 396,872 US ft (NAD83/90)				EASTING: 876,462 US ft (NAD83/90)				24 HR. NA			
TOTAL DEPTH: 294.0 ft				BORING DIAMETER: 6" to 108.8', 5" to 294.0'				CASING DEPTH: 4" to 26.0', 6" to 108.8'				HAMMER (ID):140 lb. Auto (MEC-05)			
DATE STARTED: 4/9/08				COMPLETED: 4/29/08				CORE SIZE: HQ3				BITS USED: 4 7/8" & 3 7/8" Roller Cones			
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					
-151.1					Continued from previous page										
-153.0	151.5										630-UD-6			115.0ft: Possible Silty SAND (SM); no recovery (Tamiami Formation) (continued) 151.5ft: Switch sampling method to Shelby tube 151.5ft: no recovery	
-160.0	158.5										630-UD-7			158.5ft: Switch sampling method to Pitcher barrel 158.5ft: no recovery	
-163.0	161.5										630-UD-8			161.5ft: Switch sampling method to Shelby Tube	
-165.0	163.5										630-UD-9			161.5ft: Silty SAND (SM), Greenish gray (10Y6/1), fine grained sand - recovery 1.1ft 163.5ft: no recovery	
-170.0	168.5										630-UD-10			168.5ft: Switch sampling method to Osterberg	
-173.0	171.5										630-UD-11			Silty SAND (SM), Greenish gray (10Y6/1), fine grained sand - recovery 1.1ft 171.5ft: Silty SAND (SM), Greenish gray (10Y6/1), fine grained sand - recovery 0.7ft	
-180.0	178.5										630-UD-12		-180.0	178.5ft: Sandy SILT (ML), Greenish gray (10Y6/1), fine to medium grained sand - recovery 1.5ft	
-190.0	188.5										630-UD-13		-190.0	188.5ft: Silty SAND (SM), Greenish gray (10Y6/1), fine grained sand - recovery 1.0ft	
-193.0	191.5										630-UD-14			191.5ft: Silty SAND (SM), Greenish gray (10Y6/1), fine grained sand - recovery 1.8ft	
-204.5	203.0										630-UD-15			203.0ft: Silty SAND (SM), Greenish gray (10Y6/1), fine grained sand - recovery 1.5ft	
-210.0	208.5										630-UD-16			208.5ft: Silty SAND (SM), Greenish gray (10Y6/1), fine grained sand - recovery 1.9ft	
-220.0	218.5										630-UD-17		-216.5	215.0ft: Hawthorn Group	
-223.0	221.5										630-UD-18			218.5ft: Silty SAND (SM), Greenish gray (10Y6/1), fine grained sand - recovery 0.3ft	
-225.5	224.0													221.5ft: Silty SAND (SM), Greenish gray (10Y6/1), fine grained sand - recovery 0.6ft	

TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL GDT 8 19 08



SHEET 4 OF 4

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade				GEOLOGIST: S. Woodham			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550X (ATL)				DRILLER: R. Landeros/ N. Rodriguez				GROUND WATER (ft)			
BORING NO.: B-630				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core/UD				0 HR.		NA	
GROUND ELEV.: -1.5 ft (NAVD88)				NORTHING: 396,872 US ft (NAD83/90)				EASTING: 876,462 US ft (NAD83/90)				24 HR.		NA	
TOTAL DEPTH: 294.0 ft				BORING DIAMETER: 6" to 108.8', 5" to 294.0'				CASING DEPTH: 4" to 26.0', 6" to 108.8'				HAMMER (ID): 140 lb. Auto (MEC-05)			
DATE STARTED: 4/9/08				COMPLETED: 4/29/08				CORE SIZE: HQ3				BITS USED: 4 7/8" & 3 7/8" Roller Cones			
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.			MOI	
-225.9					Continued from previous page										
-227.0	225.5	9	8	19	● 27						630-10		215.0ft: Hawthorn Group (continued)		
-228.5	227.0	9	50/0.5								630-11		224.5ft: Switch sampling method to SPT		
-230.0	228.5	48	50/0.3		59/1.0 98/0.8						630-12		Silty SAND (SM), light greenish gray (10Y7/1), medium dense, moist, fine grained sand, few fines, strong HCl reaction		
											630-UD-19		225.5ft: very dense		
													228.5ft: Switch sampling method to Pitcher barrel		
													Silty SAND (SM), greenish gray (5GY5/1), fine grained sand - recovery 1.9ft		
													231.0ft: dark greenish gray (10Y4/1)		
-240.0	238.5										630-UD-20		238.5ft: Switch sampling method to Osterberg		
-243.0	241.5										630-UD-21		238.5ft: SAND with silt (SP-SM), greenish gray (10Y6/1), fine grained sand - recovery 0.4ft		
													241.5ft: Switch sampling method to Pitcher barrel		
													241.5ft: SAND with silt (SP-SM), light greenish gray (10Y7/1), fine grained sand - recovery 1.4ft		
-250.0	248.5										630-UD-22		248.5ft: SAND with silt (SP-SM), light greenish gray (10Y6/1), fine grained sand - recovery 2.5ft		
-260.0	258.5										630-UD-23		258.5ft: Silty SAND (SM), dark greenish gray (10Y4/1), fine grained sand - recovery 2.5		
-270.0	268.5										630-UD-24		268.5: Silty SAND (SM), dark greenish gray (5GY4/1), fine grained sand - recovery 2.5ft		
-280.0	278.5										630-UD-25		278.5ft: Silty SAND (SM), dark greenish gray (5GY4/1), fine grained sand - recovery 2.5		
-290.0	288.5										630-UD-26		288.5ft: Silty SAND (SM), dark greenish gray (10Y4/1), fine grained sand - recovery 0.7ft		
-293.0	291.5										630-UD-27		291.5ft: Silty SAND (SM), dark greenish gray (10Y4/1), fine grained sand - recovery 0.8		
													Boring Terminated at Elevation -295.5 ft		

TURKEY POINT COL BORE TURKEY POINT COL GDT 8-19-08



SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade		GEOLOGIST: S. Woodham			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550X (ATL)				DRILLER: R. Landeros/ N. Rodriguez				GROUND WATER (ft) 0 HR. NA 24 HR. NA	
BORING NO.: B-630				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core/UD					
GROUND ELEV.: -1.5 ft (NAVD88)				NORTHING: 396,872 US ft (NAD83/90)				EASTING: 876,462		US ft (NAD83/90)			
TOTAL DEPTH: 294.0 ft				CASING DEPTH: 4" to 26.0', 6" to 108.8'						HAMMER (ID): 140 lb. Auto (MEC-05)			
DATE STARTED: 4/9/08		COMPLETED: 4/29/08		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 @ 29.2 ft			
-30.7	29.2	3.2	0:16 0:56 0.55/1.2	(3.0) 94%	(2.2) 69%	RUN-1	(17.4) 93%	(11.8) 63%		LIMESTONE, boundstone, pale yellow (5Y8/2), hard, wet, strong HCl reaction (Upper Fort Thompson Formation) (continued) 29.6ft: white (2.5YR8/1), hard, indurated, fossiliferous, strong HCl reaction, coralline, trace shell molds, few vugs 32.4ft: very hard 33.4ft: hard, recrystallized calcite			
-33.9	32.4												
-34.9	33.4	1.0	0:49	(1.0)	(0.8)	RUN-2							
		5.0	1:17 1:30 1:05 1:24 2:00	100% (5.0) 100%	80% (3.5) 70%	RUN-3							
-39.9	38.4												
		5.0	1:29 1:50 0:49 1:27 1:04	(3.9) 78%	(2.8) 56%	RUN-4				38.4ft: white (10YR8/1)			
-44.9	43.4												
		5.0	1:52 1:09 1:08 1:24 2:10	(4.7) 94%	(2.7) 54%	RUN-5				43.4ft: white (10YR8/1) to 45.1ft then gray (N5/) to 47.9ft			
-49.9	48.4												
		5.0	0:55 1:20 1:52 1:48 1:08	(5.0) 100%	(4.2) 84%	RUN-6	(48.0) 72%	(29.8) 44%	-49.4	LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, fossiliferous, trace shell molds, strong HCl reaction (Lower Fort Thompson Formation)			
-54.9	53.4												
		5.0	1:01 1:06 0:35 0:32 0:22	(4.8) 96%	(4.0) 80%	RUN-7				53.4ft: white (10YR8/1)			
-59.9	58.4												
		5.0	0:27 0:20 0:32 0:40 0:26	(3.8) 76%	(2.2) 44%	RUN-8				58.4ft: trace coarse grained sand			
-64.9	63.4												
		5.0	0:41 0:39 0:52 1:05 0:52	(2.1) 42%	(0.0) 0%	RUN-9							
-69.9	68.4												
		5.0	0:18 0:44 0:45 0:33 0:34	(3.7) 74%	(1.5) 30%	RUN-10							
-74.9	73.4												
		5.0	0:47 0:49 1:13 0:57 0:25	(3.6) 72%	(2.2) 44%	RUN-11							
-79.9	78.4												
		5.0	0:41 0:39 0:26 0:21 0:28	(2.4) 48%	(1.1) 22%	RUN-12							
-84.9	83.4												
		5.0	0:50 0:23 0:11 0:20 0:23	(1.4) 28%	(0.4) 8%	RUN-13				83.4ft: moderately hard			
-89.9	88.4												
		5.0	0:48 0:50 0:40 0:32 0:38	(3.6) 72%	(2.0) 40%	RUN-14				88.4 to 90.6ft: massive			
-94.9	93.4												
		5.0	0:28 0:34 0:39 0:32 0:38	(5.0) 100%	(4.2) 84%	RUN-15				93.4ft: sandy, few vugs			
-99.9	98.4												
		5.0	0:30 0:19 0:32 0:25 0:25	(3.0) 60%	(0.8) 16%	RUN-16				98.4ft: moderately hard, little to some shell molds and casts			
-104.9	103.4												

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

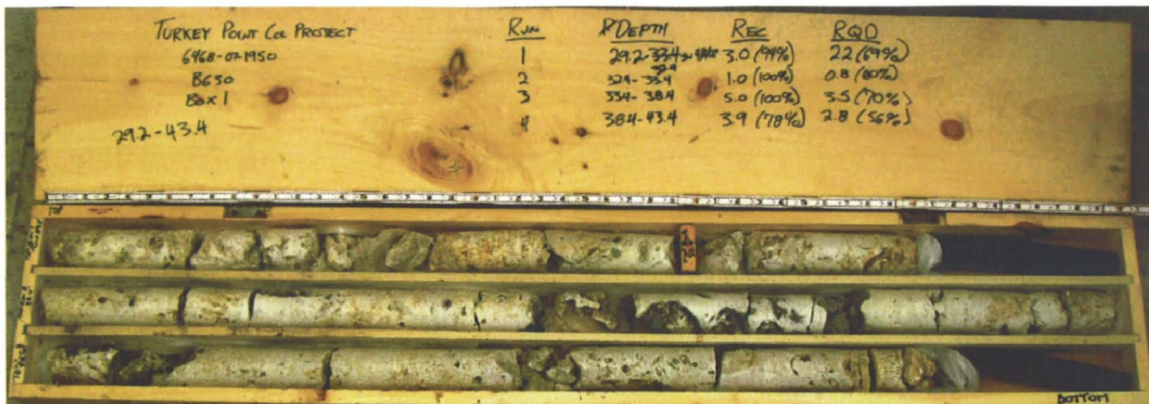


SHEET 2 OF 2

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: S. Woodham
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550X (ATL)	DRILLER: R. Landeros/ N. Rodriguez	GROUND WATER (ft)
BORING NO.: B-630	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core/UD	0 HR. NA
GROUND ELEV.: -1.5 ft (NAVD88)	NORTHING: 396,872 US ft (NAD83/90)	EASTING: 876,462 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 294.0 ft	CASING DEPTH: 4" to 26.0', 6" to 108.8'	HAMMER (ID): 140 lb. Auto (MEC-05)	
DATE STARTED: 4/9/08	COMPLETED: 4/29/08	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
-109.9	108.4	5.0	0.23 0.23 0.25 0.26 0.23	(5.0) 100%	(4.4) 88%	RUN-17				103.4ft: hard LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, fossiliferous, trace shell molds, strong HCl reaction (Lower Fort Thompson Formation) (continued)
-114.9	113.4	5.0	0.21 0.24 0.47 0.33 0.53	(3.9) 78%	(2.2) 44%	RUN-18				
-119.9	118.4	5.0	0.25 0.22 0.15 0.15 0.18	(0.5) 10%	(0.4) 8%	RUN-19	(0.0) 0%	(NA)		115.0ft: Possible Silty SAND (SM): no recovery (Tamiami Formation)
										Coring Terminated at Elevation -119.9

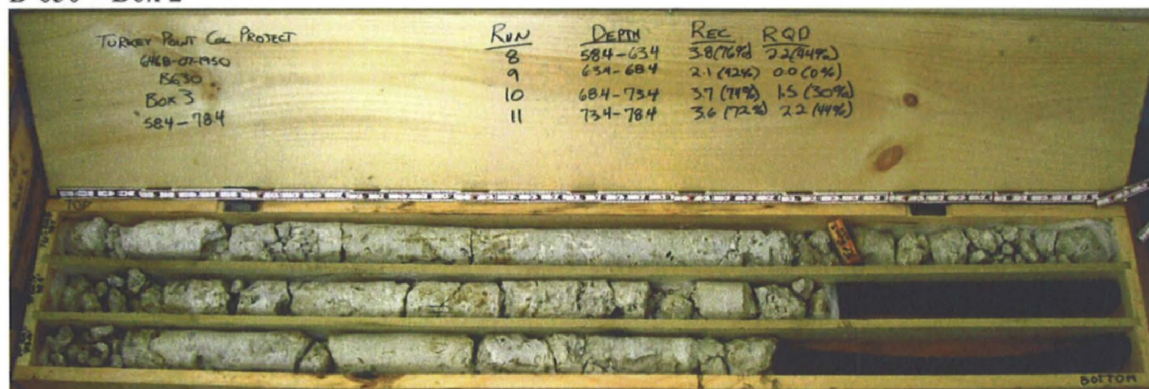
TURKEY POINT COL CORE: TURKEY POINT.CPJ TURKEY POINT COL.GDT 5/30/08



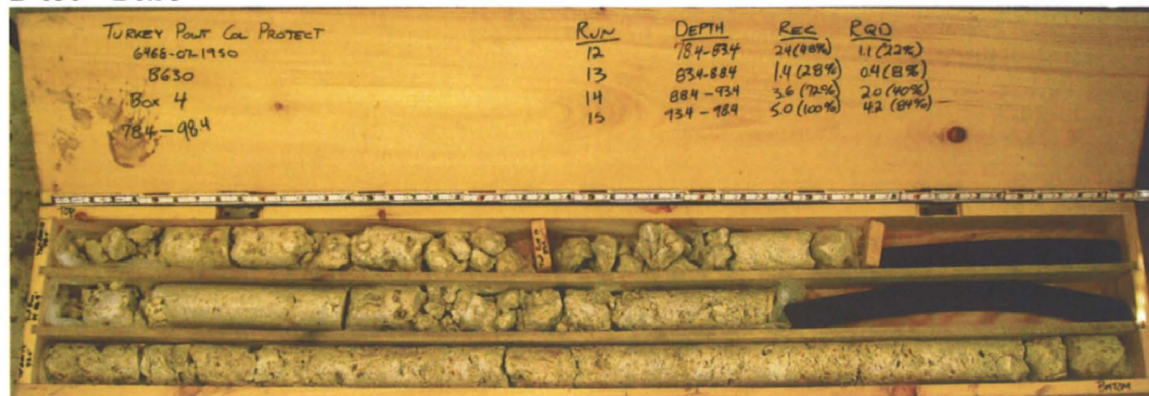
B-630 - Box 1



B-630 - Box 2



B-630 - Box 3



B-630 - Box 4



B-630 - Box 5



GEOTECHNICAL BORING LOG

Prepared By John Date 5-30-08

Checked By Mike 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-631					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.2 ft (NAVD88)					NORTHING: 396,655 US ft (NAD83/90)					EASTING: 876,514 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 100.8 ft			BORING DIAMETER: 4" to 33.5', 3" to 100.8'					CASING DEPTH: 4" to 33.5'				HAMMER (ID): 140 lb. Auto (M06)			
DATE STARTED: 4/30/08			COMPLETED: 5/2/08			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					
-1.2					Ground Surface										
-1.2	0.0	WOH	WOH	WOH	●0						631-1		-1.2	0.0	MUCK, very dark gray (2.5Y3/1), wet, very soft, mostly organic, strong HCl reaction
-3.8	2.6	WOH	1	6	●7						631-2A&B		-4.8	3.6	
-6.2	5.0	5	10	9							631-3				LIMESTONE, boundstone, white (2.5Y8/1), very soft, wet, little to some fine grained sand, strong HCl reaction, oolitic (Miami Formation)
-8.6	7.4	6	7	6	●13						631-4				
-11.2	10.0	3	9	5	●14						631-5				
-13.6	12.4	42	25	12						●37	631-6		12.4ft: medium hard		
-16.1	14.9	14	11	8	●19						631-7		14.9ft: very soft, trace fine grained sand		
-23.0	21.8	7	7	9	●16						631-8				
-28.0	26.8	41	40	25						●65	631-9		-26.2	25.0	LIMESTONE, boundstone, white (2.5Y8/1), hard, wet, trace fine grained sand, strong HCl reaction (Upper Fort Thompson Formation)
-33.0	31.8	11	14	16							631-10		31.8ft: soft		
-35.5	34.3				●30						631-11		34.3ft: hard		
-37.0	35.8	17	40	33						●73	RUN-1		35.8ft: Switched sample method to coring		
													35.8ft: (2.5Y8/1), hard, indurated, strong HCl reaction, fossiliferous		
-42.0	40.8										RUN-2		40.8ft: recrystallized calcite, coralline		
-47.0	45.8										RUN-3		45.8ft: light gray (10YR7/1) to 48.4ft, moderately hard to hard, moderately indurated to indurated	48.4	
-52.0	50.8										RUN-4		LIMESTONE, boundstone, white (2.5Y8/1), moderately hard to hard, moderately indurated to indurated, little vugs, fossiliferous, trace shell molds and casts, strong HCl reaction (Lower Fort Thompson Formation)		
-57.0	55.8										RUN-5		50.8ft: medium hard to moderately hard, friable to moderately indurated, few vugs		
													55.8ft: moderately hard to hard, moderately indurated to indurated		
-62.0	60.8										RUN-6		60.8ft: medium hard to hard, friable to moderately indurated		
-67.0	65.8										RUN-7		65.3ft: 0.3ft-thick sand lense		
													65.8ft: medium hard to moderately hard, little to some fine grained sand		
-72.0	70.8										RUN-8				

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