



BECHTEL PROJECT NO.: 25409					MACTEC PROJECT NO.: 6468-07-1950					COUNTY: Miami-Dade			GEOLOGIST: H. Lyatuu/B. Taylor			
SITE DESCRIPTION: Turkey Point COL					DRILL MACHINE: CME-550 Marsh Buggy					DRILLER: D. White/ R. Hall				GROUND WATER (ft)		
BORING NO.: B-806					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core				0 HR. NA		
GROUND ELEV.: -0.4 ft (NAVD88)					NORTHING: 395,289 US ft (NAD83/90)					EASTING: 877,237 US ft (NAD83/90)				24 HR. NA		
TOTAL DEPTH: 127.4 ft			BORING DIAMETER: 4" to 40.0', 3" to 126.4'					CASING DEPTH: 4" to 40.0', 3" to 120.0'					HAMMER (ID): 140 lb. Auto (893)			
DATE STARTED: 3/23/08			COMPLETED: 3/25/08			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						
-75.2					Continued from previous page											
-77.7	77.3										RUN-12			LIMESTONE, boundstone, white (10YR8/1), hard, indurated, few vugs, fossiliferous, trace fine grained sand, strong HCl reaction (Lower Fort Thompson Formation) (continued)		
-82.7	82.3										806-11			82.3ft: Switch sampling method to SPT		
-84.0	83.6	12	24	50/0.3	74/0.8						RUN-13			82.3ft: hard		
-87.7	87.3													83.6ft: Switch sampling method to coring		
											RUN-14			83.6ft: moderately hard, moderately indurated		
-92.7	92.3															
											RUN-15					
-97.7	97.3															
											RUN-16					
-102.7	102.3													102.3ft: mostly shell molds and casts		
-107.7	107.3										RUN-17					
														107.3ft: hard to moderately hard, indurated to moderately indurated		
-112.7	112.3										RUN-18					
-117.7	117.3	9	9	14							RUN-19			Silty SAND (SM), light gray (10YR7/1), to very pale brown (10YR7/4), medium dense, wet, fine grained sand, strong HCl reaction (Tamiami Formation)		
											806-12			117.3ft: Switch sampling method to SPT		
-126.3	125.9	5	6	6												
											806-13			125.9ft: greenish gray (10Y6/1)		
														Boring Terminated at Elevation -127.8 ft		



SHEET 1 OF 2

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DATE STARTED: 3/23/08		COMPLETED: 3/25/08		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 @ 29.8 ft			
-30.2	29.8	2.5	1:19	(1.6)	(0.0)	RUN-1	(8.9)	(2.7)		LIMESTONE, boundstone, white (10YR8/1), hard, wet, fossiliferous, trace fine grained sand, strong HCl reaction (Upper Fort Thompson Formation) (continued) 29.8ft: white, (10YR8/1), to light greenish gray (5GY8/1), hard to moderately hard, indurated to moderately indurated, strong HCl reaction, strong HCl reaction, fossiliferous, few vugs 32.3ft: white (10YR8/1), hard, indurated, trace fine grained sand			
-32.7	32.3		1:40	64%	0%		51%	15%					
		5.0	0.32/0.5	(1.2)	(0.0)	RUN-2							
			0:40	24%	0%								
			0:34										
-37.7	37.3		0:39										
			0:21										
		5.0	0:54										
			0:35	(2.4)	(1.0)	RUN-3							
			0:49	48%	20%								
			1:07										
-42.7	42.3		0:38										
			0:28										
		3.7	2:11/1.7	(2.4)	(0.4)	RUN-4				42.3ft: coralline			
			2:32	65%	11%								
-46.4	46.0		2:27										
		1.3	2:00	(1.3)	(1.3)	RUN-5							
-47.7	47.3		0:19/0.3	100%	100%	RUN-6	(32.9)	(23.2)		46.0ft: light gray (10YR7/1) 47.3			
		5.0	1:26	(4.1)	(3.0)		39%	28%					
			0:36	82%	60%								
			2:11										
-52.7	52.3		1:48										
			2:06										
		5.0		(4.8)	(4.1)	RUN-7				52.3ft: white (2.5Y8/1)			
			1:14	96%	82%								
			1:46										
			1:34										
-57.7	57.3		1:06										
			0:59										
		5.0		(2.7)	(2.2)	RUN-8				57.3ft: white (10YR8/1), sandy			
			1:23	54%	44%								
			0:21										
			0:23										
-62.7	62.3		0:29										
			0:54										
		5.0		(0.7)	(0.4)	RUN-9				62.3ft: hard to moderately hard, moderately indurated to indurated			
			2:05	14%	8%								
			0:46										
			0:42										
-67.7	67.3		1:35										
			0:17										
		5.0		(2.3)	(1.7)	RUN-10				67.3ft: hard, indurated			
			0:54	46%	34%								
			1:29										
			1:30										
-72.7	72.3		2:21										
		5.0	1:15	(0.0)	(0.0)	RUN-11							
			1:47	0%	0%								
			1:21										
			0:30										
-77.7	77.3		0:28										
			0:47										
		5.0		(0.0)	(0.0)	RUN-12							
			1:40	0%	0%								
			1:15										
			0:37										
-82.7	82.3		0:35										
			1:36										
			N=74/0.8			806-11							
-84.0	83.6	3.7	1:10	(2.2)	(1.0)	RUN-13				82.3ft: Switch sampling method to SPT			
			0:31	59%	27%					82.3ft: hard			
			1:34							83.6ft: Switch sampling method to coring			
-87.7	87.3		1:07/0.7	(1.6)	(0.5)	RUN-14				83.6ft: moderately hard, moderately indurated			
		5.0	0:38	32%	10%								
			1:34										
			0:44										
-92.7	92.3		0:50										
			1:24										
		5.0		(3.2)	(2.6)	RUN-15							
			0:40	64%	52%								
			0:55										
			1:02										
-97.7	97.3		0:27										
			0:33										
		5.0		(4.7)	(3.8)	RUN-16							
			0:29	94%	76%								
			0:43										
			0:42										
-102.7	102.3		0:34										
			0:24										
		5.0		(1.5)	(1.0)	RUN-17				102.3ft: mostly shell molds and casts			
			0:44	30%	20%								
			0:57										

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