



GEOTECHNICAL BORING LOG

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

SHEET 1 OF 3

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade		GEOLOGIST: H. Lyatuu				
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550 Marsh Buggy				DRILLER: F. Cox/ R. Hall				GROUND WATER (ft)		
BORING NO.: B-737				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA		
GROUND ELEV.: -0.6 ft (NAVD88)				NORTHING: 395,804 US ft (NAD83/90)				EASTING: 876,238 US ft (NAD83/90)				24 HR. NA		
TOTAL DEPTH: 153.3 ft		BORING DIAMETER: 4" to 30.0', 3" to 153.3'				CASING DEPTH: 4" to 30.0', 3" to 115.0'				HAMMER (ID):140 lb. Auto (893)				
DATE STARTED: 4/3/08		COMPLETED: 4/5/08		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				
-0.6					Ground Surface								0.0	
-0.6	0.0	WOR	WOR	WOH	•0						737-1		MUCK, light brownish gray (10YR6/2), mottled very dark gray (10YR3/1), and black (10YR2/1), very soft, wet, little fine grained sand, trace shell fragments, strong HCl reaction	
-3.1	2.5			WOH	•0						737-2			
-5.6	5.0	WOH	WOH	WOH	•0						737-3		2.5ft: very dark gray (10YR3/1), weak HCl reaction	4.5
-8.1	7.5	5	5	4	•9						737-4		LIMESTONE, boundstone, white (10YR8/1), very soft, wet, trace shells, strong HCl reaction, oolitic (Miami Formation)	
-10.6	10.0	1	2	15	•17						737-5		10.0ft: trace fine grained sand	
-13.1	12.5	2	2	4	•6						737-6		12.5ft: soft, trace dark brown rocky fragments	
-15.6	15.0	5	7	14	•21						737-7		15.0ft: hard, trace fragments of cemented sands	
-19.2	18.6	8	8	50/0.2						58/0.7	737-8		18.6ft: white (7.5YR8/1), soft, fossiliferous	
-24.2	23.6	17	10	15	•25						737-9		23.6ft: white (2.5Y8/1), very soft	
-29.2	28.6	4	6	3	•9						737-10		28.6ft: white (10YR8/1), mottled greenish gray (5GY5/1), some fine grained sand	
-34.2	33.6				•8						737-11		LIMESTONE, boundstone, white (10YR8/1 and 2.5Y8/1), hard, wet, fossiliferous, strong HCl reaction (Upper Fort Thompson Formation)	32.0
-34.4	33.8	50/0.2								50/0.2	RUN-1		33.8ft: Switch sampling method to coring	
-37.4	36.8										RUN-2		33.8ft: hard, indurated, coralline, trace recrystallized calcite, little locally interconnected vugs, fossiliferous	
-42.4	41.8										RUN-3 737-CS-01		36.8ft: few vugs, interbedded friable layers	
-47.4	46.8										RUN-4		41.8ft: trace vugs	
-52.4	51.8										RUN-5		LIMESTONE, boundstone, white (7.5YR8/1), moderately hard to hard, friable to indurated, trace vugs, fossiliferous, strong HCl reaction, few shell molds and casts (Lower Fort Thompson Formation)	48.1
-57.4	56.8										RUN-6		51.8ft: white (2.5Y8/1), moderately hard, moderately indurated, trace sand	
-62.4	61.8										RUN-7		56.8ft: white (10YR8/1), moderately hard to hard, moderately indurated to indurated	
-67.4	66.8										RUN-8		61.8ft: moderately hard, moderately indurated	
-72.4	71.8										RUN-9		71.8ft: no recovery, possible interbedded soft, friable, limestone and sand layers	

TURKEY POINT COL BORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 7/10/08



SHEET 2 OF 3

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DATE STARTED: 4/3/08				COMPLETED: 4/5/08				CORE SIZE: HQ3				BITS USED: 2 15/16" Tricone			
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	
-75.4					Continued from previous page										
-77.4	76.8										737-12	LIMESTONE, boundstone, white (7.5YR8/1), moderately hard to hard, friable to indurated, trace vugs, fossiliferous, strong HCl reaction, few shell molds and casts (Lower Fort Thompson Formation) (continued) 76.8ft: Switch sampling method to SPT 76.8ft: hard 77.8ft: Switch sampling method to coring 77.8ft: moderately hard, moderately indurated 81.8ft: moderately hard to hard, moderately indurated to indurated, few vugs, trace shell molds and casts 86.8ft: moderately hard to medium hard, trace vugs 91.8ft: medium hard, moderately indurated 96.8ft: Switch sampling method to SPT 96.8ft: moderately hard 98.3ft: Switch sampling method to coring 98.3ft: few vugs, mostly shell molds and casts			
-78.4	77.8	22	50/0.5								RUN-10				
-82.4	81.8										RUN-11				
-87.4	86.8										RUN-12				
-92.4	91.8										RUN-13				
-97.4	96.8										RUN-14				
-98.9	98.3	34	13	27							RUN-15				
-102.4	101.8										RUN-16				
-107.4	106.8										RUN-17				
-112.4	111.8	6	3	6							737-14A&B				
-122.4	121.8	5	5	11							737-15				
-132.4	131.8	5	5	9							737-16				
-142.4	141.8	6	11	15							737-17				



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(ft)	(ft)	0.5ft	0.5ft	0.5ft	0	20	40	60	80	100	NO.										
-150.2					Continued from previous page																
-152.4	151.8	5	8	13	● 21						737-18			-153.9 153.3 Boring Terminated at Elevation -153.9 ft							

TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL GDT 7:10:08