

GEOTECHNICAL BORING LOG

Prepared By DPZ Date 5-30-08

Checked By LM Date 5-30-07

11/11/11 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-710G(DH)					DRILL METHOD: Mud Rotary					SAMPLE METHODS: NA			0 HR. NA	
GROUND ELEV.: -1.4 ft (NAVD88)					NORTHING: 397,075 US ft (NAD83/90)					EASTING: 875,792 US ft (NAD83/90)			24 HR. NA	
TOTAL DEPTH: 273.5 ft					BORING DIAMETER: 4" to 273.5'					CASING DEPTH: 4" to 115.0'			HAMMER (ID): 140 lb. Auto (MEC-05)	
DATE STARTED: 3/10/08					COMPLETED: 3/13/08					CORE SIZE: NA			BITS USED: 3 7/8" Milling & 3 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				
-1.4					Ground Surface								-1.4	0.0
					SEE LEGEND FOR ROCK HARDNESS CRITERIA BASED ON SPT DATA								-4.9	3.5
													-26.4	25.0
													LIMESTONE (Upper Fort Thompson Formation)	
													30.0ft: some loss of circulation	
													-49.9	48.5
													LIMESTONE (Lower Fort Thompson Formation)	

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ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.		SOIL AND ROCK DESCRIPTION
		0.5ft	0.5ft	0.5ft	0	20	40	60	80			

-76.2					Continued from previous page				
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The diagram illustrates a geological cross-section with a borehole profile. The profile is shown as a vertical line with a series of horizontal bars representing different geological layers. The layers are labeled from top to bottom: Limestone (Lower Fort Thompson Formation) (continued), Silty Sand (SM) (Tamiami Formation), and a layer with a stippled pattern. The borehole profile is marked with depth values: -139.7, -144.7, and -146.2. The SPT energy measurements are indicated by dots and lines: 138.3ft SPT energy measurement, 143.3ft SPT energy measurement, and 144.8ft SPT energy measurement. The diagram also includes a grid of dots and a series of vertical lines representing the borehole profile.

Depth (ft)	SPT Energy Measurement (ft)
-139.7	138.3
-144.7	143.3
-146.2	144.8

[illegible]

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