



GEOTECHNICAL BORING LOG

Prepared By JPZ Date 5-30-08Checked By HJM Date 5-30-08

SHEET 1 OF 3

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-715		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA							
GROUND ELEV.: -0.9 ft (NAVD88)		NORTHING: 397,259 US ft (NAD83/90)		EASTING: 875,909 US ft (NAD83/90)		24 HR. NA							
TOTAL DEPTH: 150.1 ft		BORING DIAMETER: 4" to 28.3', 3" to 150.1'		CASING DEPTH: 4" to 28.3', 3" to 120.0'		HAMMER (ID): 140 lb. Auto (M06)							
DATE STARTED: 4/8/08		COMPLETED: 4/10/08		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			
-0.9					Ground Surface								-0.9 0.0
-0.9	0.0	WOH	WOH	WOH									MUCK, black (2.5Y2.5/1), very soft, wet, strong HCl reaction, fibrous
-3.5	2.6												
-5.9	5.0	WOH	2	5									-4.4 3.5
													LIMESTONE, boundstone, white (2.5Y8/1), very soft, wet, strong HCl reaction, oolitic (Miami Formation)
-8.4	7.5	10	7	7									7.5ft: medium hard, trace fine sand
-10.9	10.0	18	27	11									10.0ft: very soft
		4	4	4									
-13.3	12.4	6	6	10									
-15.8	14.9	4	6	18									14.9ft: soft
-22.6	21.7	8	12	14									
-27.7	26.8												-25.9 25.0
-29.2	28.3	13	40	50									LIMESTONE, boundstone, white (2.5Y8/1), hard, wet, strong HCl reaction, trace fine grained sand (Upper Fort Thompson Formation)
-31.2	30.3												28.3ft: Switch sampling method to coring
													28.3ft: moderately hard, moderately indurated, trace vugs, coralline
-36.2	35.3												30.3ft: moderately hard to hard, moderately indurated to indurated, trace recrystallized calcite
													35.3ft: hard, indurated, little vugs
-41.2	40.3												
													40.3ft: trace vugs
-46.2	45.3												
-51.2	50.3												45.3ft: white (2.5Y8/1) to 46.0ft then light gray (10YR7/1) to 48.0ft
													-48.9 48.0
-56.2	55.3												LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, strong HCl reaction (Lower Fort Thompson Formation)
													50.3ft: moderately hard to hard, moderately indurated to indurated
-61.2	60.3												
													55.3ft: moderately hard, moderately indurated
-66.2	65.3												
-71.2	70.3												60.3ft: medium hard to hard, friable to indurated, trace sand, trace shell molds and casts
													65.3ft: interbedded sand, little vugs
													70.3ft: few vugs

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



SHEET 2 OF 3

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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							
-75.7					Continued from previous page												
-76.2	75.3															LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, strong HCl reaction (Lower Fort Thompson Formation) (continued)	
-81.2	80.3															75.3ft: hard, indurated	
-86.2	85.3															80.3ft: moderately hard, moderately indurated	
-91.2	90.3															85.3ft: hard, indurated	
-96.2	95.3															90.3ft: medium hard to hard, friable to indurated, trace vugs, few to little sand	
-101.2	100.3															95.3ft: friable to moderately indurated	
-106.2	105.3															100.3ft: moderately hard, moderately indurated, little shell molds and casts	
-111.2	110.3															105.3ft: moderately hard to hard, moderately indurated to indurated, some vugs	
-113.9	113.0															110.3ft: moderately hard, moderately indurated, little to some fine grained sand	
-119.3	118.4	8	4	3												POORLY GRADED SAND with silt (SP-SM), light gray (5Y7/2), loose, wet, fine grained sand, strong HCl reaction, trace limestone fragments (Tamiami formation)	
-129.0	128.1	3	4	8												118.4ft: Switch sampling method to SPT	
-139.3	138.4	7	9	12												113.0ft: Switch sampling method to SPT	
-149.5	148.6	5	8	10												128.1ft: Switch sampling method to SPT	

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



SHEET 3 OF 3

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-150.5					Continued from previous page									
														148.6ft: fine grained sand Boring Terminated at Elevation -151.0 ft

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