



B-731 - Box 5



GEOTECHNICAL BORING LOG

Prepared By JDH Date 5-30-08

Checked By JM Date 5-30-08

SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409					MACTEC PROJECT NO.: 6468-07-1950					COUNTY: Miami-Dade		GEOLOGIST: R. Clark			
SITE DESCRIPTION: Turkey Point COL					DRILL MACHINE: CME-750 (Miller)					DRILLER: G.Bilbrey/P.McKorkle/J.Tucker				GROUND WATER (ft)	
BORING NO.: B-732					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.0 ft (NAVD88)					NORTHING: 396,412 US ft (NAD83/90)					EASTING: 875,682 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 104.5 ft			BORING DIAMETER: 4" to 104.5'					CASING DEPTH: 4" to 24.5'				HAMMER (ID): 140 lb. Auto (07)			
DATE STARTED: 5/14/08			COMPLETED: 5/18/08			CORE SIZE: HQ3			BITS USED: 3 7/8" Tricone						
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					
-1.0					Ground Surface								-1.0	0.0	
-1.0	0.0	WOH	WOH	WOH	0						732-1		MUCK,light gray (5Y7/2), to light brownish gray (10YR6/2), very soft, moist to wet, strong HCl reaction, some organics		
-3.5	2.5	WOH	WOH	2	2						732-2A&B		2.5ft: very dark grayish brown (10YR3/2)	3.5	
-6.0	5.0	7	9	6	15						732-3		LIMESTONE, boundstone, pale yellow (5Y8/2), very soft, friable, wet, strong HCl reaction, fragmented, oolitic (Miami Formation)		
-8.5	7.5	40	14	5	19						732-4				
-11.0	10.0	3	5	6	11						732-5		10.0ft: white (5Y8/1)		
-13.5	12.5	9	13	16	29						732-6		12.5ft: soft		
-16.0	15.0	7	10	17	27						732-7				
-19.0	18.0	7	18	15	33						732-8		18.0ft: medium hard		
-24.0	23.0										732-9		23.0ft: moderately hard		
-25.5	24.5	4	9	50/0.5	59/1.0						RUN-1		24.5ft: Switch sampling method to coring	24.5	
-30.5	29.5										RUN-2		LIMESTONE, boundstone, white (5Y8/1), hard, indurated, wet, strong HCl reaction, fossiliferous, coralline, some shell molds and casts, little vugs, recrystallized calcite (Upper Fort Thompson Formation)		
-35.5	34.5										RUN-3		29.5ft: few vugs, loss of circulation		
-40.5	39.5										RUN-4		35.0ft: return of circulation		
-45.5	44.5										RUN-5		37.5ft: loss of circulation		
-50.5	49.5										RUN-6		44.5ft: white (5Y8/1) to 46.5ft, then gray (5Y6/1) to 48.0ft	48.0	
-55.5	54.5										RUN-7		LIMESTONE, boundstone, very pale brown (10YR8/2), to white (5Y8/1), hard, indurated, few vugs, fossiliferous. few to little gastropod shell molds and casts (Lower Fort Thompson Formation)		
-60.5	59.5										RUN-8		49.5ft: very pale brown (10YR8/2) to white (5Y8/2)		
-65.5	64.5										RUN-9		54.5ft: white (5Y8/1)		
-70.5	69.5										RUN-10		64.5 to 70.5ft: moderately hard, with possible interbedded sand layers		
-75.5	74.5												70.5ft: hard, some sand		

TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL GDT 53008



SHEET 2 OF 2

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DATE STARTED: 5/14/08		COMPLETED: 5/18/08		CORE SIZE: HQ3		BITS USED: 3 7/8" Tricone									
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					
-75.8					Continued from previous page										
-80.5	79.5										RUN-11		74.5ft: moderately hard LIMESTONE, boundstone, very pale brown (10YR8/2), to white (5Y8/1), hard, indurated, few vugs, fossiliferous, few to little gastropod shell molds and casts (Lower Fort Thompson Formation) (continued) 84.5ft: hard 92.0ft: no recovery, possible sand (SM) based on recovery and drilling rates LIMESTONE, boundstone, white (5Y8/1), hard, indurated, wet, strong HCl reaction, fossiliferous, mostly shell molds and casts		
-85.5	84.5										RUN-12				
-90.5	89.5										RUN-13				
-95.5	94.5										RUN-14				
-100.5	99.5										RUN-15				
											RUN-16				
													-105.5	104.5	Boring Terminated at Elevation -105.5 ft

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