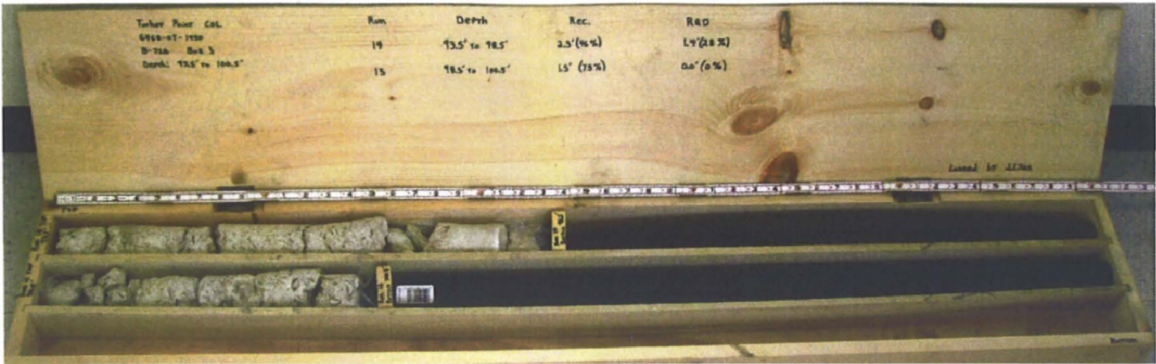




B-726 – Box 5



GEOTECHNICAL BORING LOG

Prepared By 227 Date 5-30-08Checked By MM Date 5-30-08

SHEET 1 OF 2

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/ C. White		GROUND WATER (ft)								
BORING NO.: B-727		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA								
GROUND ELEV.: -1.3 ft (NAVD88)		NORTHING: 397,118 US ft (NAD83/90)		EASTING: 875,666 US ft (NAD83/90)		24 HR. NA								
TOTAL DEPTH: 100.9 ft		BORING DIAMETER: 4" to 25.2", 3" to 100.9"		CASING DEPTH: 4" to 35.0'		HAMMER (ID): 140 lb. Auto (M06)								
DATE STARTED: 4/3/08		COMPLETED: 4/4/08		CORE SIZE: HQ3		BITS USED: 2 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				
-1.3					Ground Surface							-1.3	0.0	
-1.3	0.0	WOH	WOH	WOH	0						727-1		MUCK, black (2.5Y2.5/1), very soft, wet, strong HCl reaction, fibrous	
-4.2	2.9	WOH	WOH	1	1						727-2A&B			
-6.9	5.6	1	1	3	4						727-3		LIMESTONE, boundstone, white (2.5Y8/1), very soft, wet, some fine grained sand, strong HCl reaction, oolitic (Miami Formation)	
-8.8	7.5	3	6	3	9						727-4		7.5ft: few sand	
-11.1	9.8	3	5	5	10						727-5			
-13.5	12.2	4	11	9	20						727-6		12.2ft: soft	
-16.3	15.0	5	13	42	55						727-7		15.0ft: moderately hard	
-22.8	21.5	6	6	4	10						727-8		21.5ft: very soft, some sand	
-28.0	26.7	4	15	35	50						727-9		26.7ft: moderately hard, fine to medium grained sand	
-32.4	31.1	3	8	20	28						727-10		31.1ft: soft, little fine grained sand	
-38.0	36.7												-35.3	34.0
-38.2	36.9	50/0.2									727-11		LIMESTONE, boundstone, white (2.5Y8/1), hard, strong HCl reaction (Upper Fort Thompson Formation)	
-39.2	37.9										RUN-1		36.9ft: Switch sampling method to coring	
											RUN-2		37.9ft: moderately hard, moderately indurated, little vugs, recrystallized calcite, coralline	
-44.2	42.9										RUN-3		42.9ft: white (2.5Y8/1) grading to gray (2.5Y6/1), few vugs	
-49.2	47.9										RUN-4		-50.2	48.9
-54.2	52.9										RUN-5		LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, strong HCl reaction, fossiliferous, trace shell molds and casts (Lower Fort Thompson Formation)	
-59.2	57.9										RUN-6		52.9ft: moderately hard to hard, moderately indurated to indurated, few vugs	
-64.2	62.9										RUN-7		57.9ft: moderately hard, moderately indurated, trace sand	
-69.2	67.9										RUN-8		62.9ft: medium hard to moderately hard, friable to moderately indurated, few to little sand	
-74.2	72.9										RUN-9		67.9ft: moderately hard, moderately indurated	
													72.9ft: soft to moderately hard, friable to	

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



SHEET 2 OF 2

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/ C. White			GROUND WATER (ft)						
BORING NO.: B-727			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA						
GROUND ELEV.: -1.3 ft (NAVD88)			NORTHING: 397,118 US ft (NAD83/90)			EASTING: 875,666 US ft (NAD83/90)			24 HR. NA						
TOTAL DEPTH: 100.9 ft			BORING DIAMETER: 4" to 25.2', 3" to 100.9'			CASING DEPTH: 4" to 35.0'			HAMMER (ID): 140 lb. Auto (M06)						
DATE STARTED: 4/3/08			COMPLETED: 4/4/08			CORE SIZE: HQ3			BITS USED: 2 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	MOI				
-76.1					Continued from previous page										
-79.2	77.9									RUN-10			moderately indurated, possible interbedded sand layers based on recovery and drill rates Limestone, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, strong HCl reaction, fossiliferous, trace shell molds and casts (Lower Fort Thompson Formation) (continued) 77.9ft: medium hard to moderately hard, friable to moderately indurated, few to little fine grained sand 87.9ft: moderately hard to hard, moderately indurated to indurated, trace vugs, trace to few sand 92.9ft: moderately hard, moderately indurated 97.9ft: medium hard to moderately hard, friable to moderately indurated		
-84.2	82.9									RUN-11					
-89.2	87.9									RUN-12					
-94.2	92.9									RUN-13					
-99.2	97.9									RUN-14					
													-102.2	100.9	Boring Terminated at Elevation -102.2 ft

TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL.GPJ 5:30.08