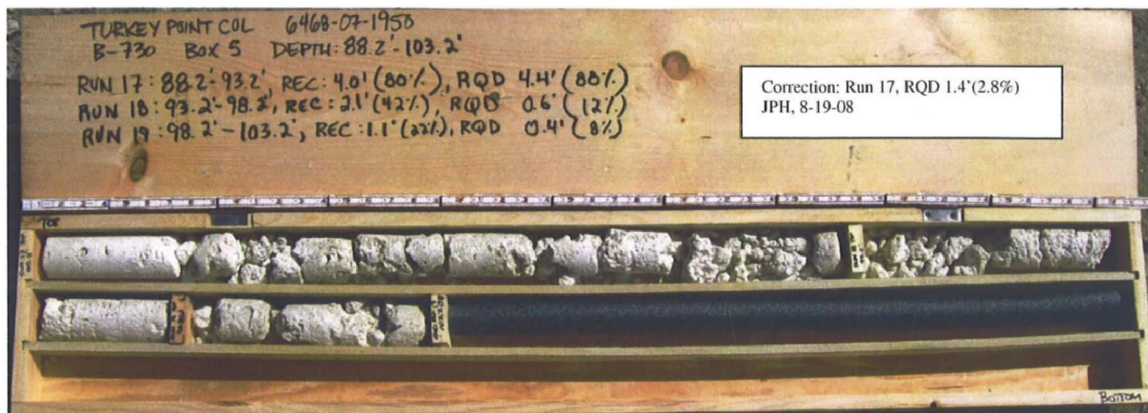




B-730 - Box 5



GEOTECHNICAL BORING LOG

Prepared By 227 Date 7-10-08Checked By MM Date 7-10-08

SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409					MACTEC PROJECT NO.: 6468-07-1950					COUNTY: Miami-Dade			GEOLOGIST: G. Pillappa				
SITE DESCRIPTION: Turkey Point COL					DRILL MACHINE: CME-550 (ATL)					DRILLER: L. Carter/ J. Rosser					GROUND WATER (ft) 0 HR. NA 24 HR. NA		
BORING NO.: B-731					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core							
GROUND ELEV.: -1.5 ft (NAVD88)					NORTHING: 396,646 US ft (NAD83/90)					EASTING: 875,423 US ft (NAD83/90)							
TOTAL DEPTH: 103.2 ft			BORING DIAMETER: 4" to 16.0', 3" to 103.2'					CASING DEPTH: 4" to 16.0'					HAMMER (ID): 140 lb. Auto (MEC-03)				
DATE STARTED: 5/1/08			COMPLETED: 5/3/08			CORE SIZE: HQ3			BITS USED: 2 15/16" Tricone								
ELEV.	DEPTH	BLOW COUNT			BLOWS PER FOOT						SAMP.	MOI	LOG	SOIL AND ROCK DESCRIPTION			
(ft)	(ft)	0.5ft	0.5ft	0.5ft	0	20	40	60	80	100	NO.						
-1.5					Ground Surface												
-1.5	0.0	WOH	WOH	WOH	0						731-1		-1.5	0.0			
-4.0	2.5										731-2		-4.0	2.5			
		3	7	12													
-6.5	5.0										731-3						
		7	5	7													
-9.0	7.5										731-4						
		10	7	5													
-11.5	10.0										731-5						
		13	11	6													
-14.0	12.5										731-6						
		11	11	7													
-16.5	15.0										731-7						
-17.5	16.0	14	50/0.3								RUN-1				15.0ft: hard		
															16.0ft: Switch sampling method to coring		
-19.7	18.2										RUN-2				16.0ft: white (10YR8/1), to light gray		
															(10YR7/1), to gray (10YR6/1), hard, indurated,		
															trace fine grained sand, fossiliferous, locally		
															interconnected vugs partially filled with		
-24.7	23.2										RUN-3				cemented sand		
															18.2ft: soft to hard, friable to indurated		
-29.7	28.2										RUN-4						
-34.7	33.2										RUN-5						
-39.7	38.2										RUN-6						
-44.7	43.2										RUN-7						
-49.7	48.2										RUN-8						
-54.7	53.2										RUN-9						
-59.7	58.2										RUN-10						
-64.7	63.2										RUN-11						
-69.7	68.2										RUN-12						
-74.7	73.2										RUN-13						
										</							



SHEET 2 OF 2

BECHTEL PROJECT NO.: 25409			MACTEC PROJECT NO.: 6468-07-1950			COUNTY: Miami-Dade			GEOLOGIST: G. Pillappa				
SITE DESCRIPTION: Turkey Point COL			DRILL MACHINE: CME-550 (ATL)			DRILLER: L. Carter/ J. Rosser			GROUND WATER (ft)				
BORING NO.: B-731			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA				
GROUND ELEV.: -1.5 ft (NAVD88)			NORTHING: 396,646 US ft (NAD83/90)			EASTING: 875,423 US ft (NAD83/90)			24 HR. NA				
TOTAL DEPTH: 103.2 ft			BORING DIAMETER: 4" to 16.0', 3" to 103.2'			CASING DEPTH: 4" to 16.0'			HAMMER (ID): 140 lb. Auto (MEC-03)				
DATE STARTED: 5/1/08			COMPLETED: 5/3/08			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			
-76.3					Continued from previous page								
-79.7	78.2										RUN-14		LIMESTONE, boundstone, white (10YR8/1), to light gray (10YR7/2), hard, indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued) 78.2ft: shell molds and casts
-84.7	83.2										RUN-15		
-89.7	88.2										RUN-16		88.2ft: moderately hard, moderately indurated
-94.7	93.2										RUN-17		93.2ft: hard, indurated, possible interbedded sand layers; based on recovery and drilling rates
-99.7	98.2										RUN-18		98.2ft: moderately hard to hard, moderately indurated to indurated, little shell molds and casts
													-104.7 103.2 Boring Terminated at Elevation -104.7 ft

TURKEY POINT COL BORE TURKEY POINT GP TURKEY POINT COL GDT 7:10/08