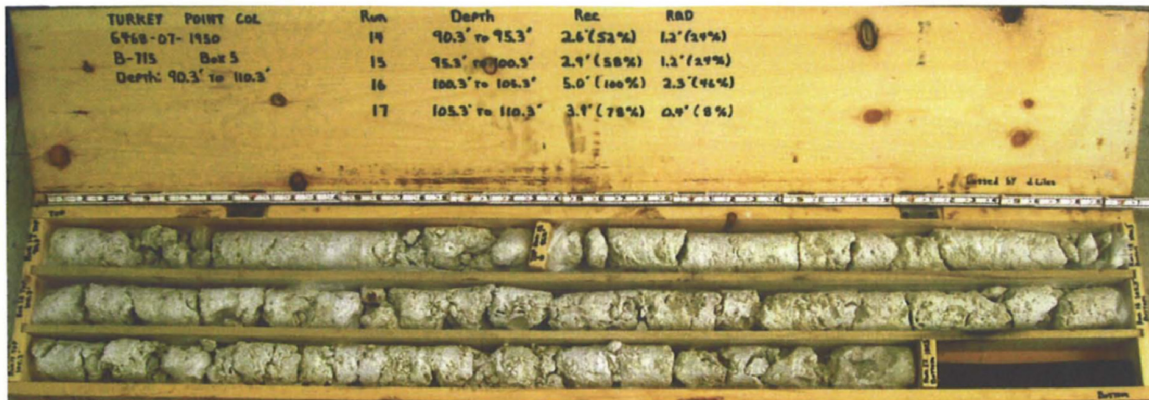
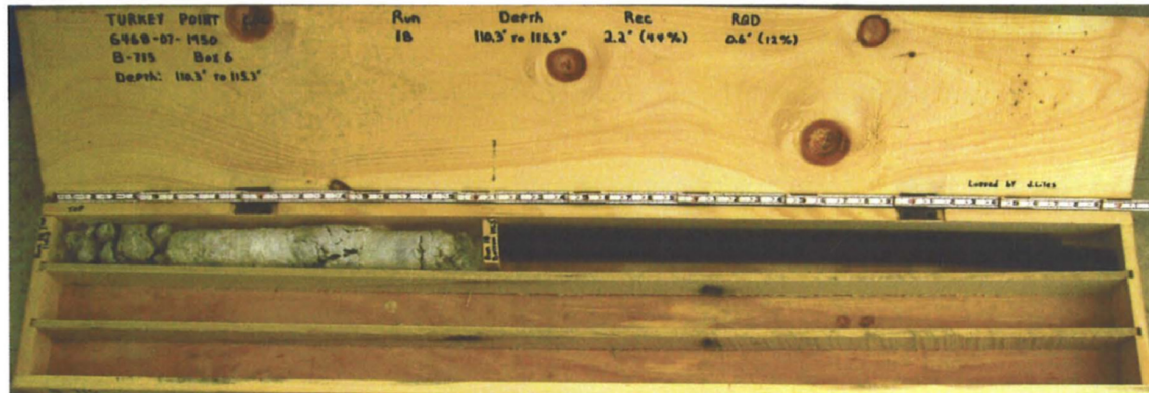




B-715 - Box 5



B-715 - Box 6



GEOTECHNICAL BORING LOG

Prepared By MM Date 7-10-08

Checked 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-55 LC (RAL)			DRILLER: R. Banks/ J. Rosser			GROUND WATER (ft)		
BORING NO.: B-716			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA		
GROUND ELEV.: -1.1 ft (NAVD88)			NORTHING: 397,214 US ft (NAD83/90)			EASTING: 875,873 US ft (NAD83/90)			24 HR. NA		
TOTAL DEPTH: 126.6 ft			BORING DIAMETER: 4" to 23.6", 3" to 126.6"			CASING DEPTH: 4" to 23.6", 3" to 115.2'			HAMMER (ID): 140 lb. Auto (MEC-02)		
DATE STARTED: 4/8/08			COMPLETED: 4/16/08			CORE SIZE: HQ3			BITS USED: 2 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				
-1.1	0.0	WOH	WOH	WOH	0			Ground Surface
-3.7	2.6	3	7	9	16	716-1		MUCK, light brownish gray (10YR6/3), very soft, wet, mostly organic, trace shell fragments, strong HCl reaction
-6.1	5.0	2	4	4	8	716-2		Field notes do not indicate that sample 716-2 was split into separate jars
-8.6	7.5	28	3	8	11	716-3		LIMESTONE, boundstone, white (10YR8/1), very soft, wet, strong HCl reaction, oolitic (Miami Formation)
-11.1	10.0	3	5	6	11	716-4		5.0ft: trace shell fragments
-13.6	12.5	50/0.3			50/0.3	716-5		
-16.1	15.0	7	15	32	47	716-6		12.5ft: hard
-19.6	18.5	14	5	5	10	716-7		15.0ft: moderately hard
-24.6	23.5					716-8		18.5ft: very soft
-26.3	25.2	10	50/0.4		60/0.9	716-9		23.5ft: hard
-31.3	30.2					RUN-1		25.2ft: Switch sampling method to coring
-36.3	35.2					RUN-2		LIMESTONE, boundstone, white (10YR8/1), hard, indurated, few vugs, fossiliferous, coralline, strong HCl reaction, trace fine grained sand (Upper Fort Thompson Formation)
-41.3	40.2					RUN-3		30.2ft: white (10YR8/1), to light gray (10YR7/1), poor recovery may be due to open spaces and/or interconnected vugs
-46.3	45.2					RUN-4		35.2ft: trace vugs, recrystallized calcite
-51.3	50.2					RUN-5		40.2ft: white (10YR8/1)
-56.3	55.2					RUN-6		45.2ft: few vugs, horizontal bedding plane at 47.3ft
-61.3	60.2					RUN-7		LIMESTONE, boundstone, white (10YR8/1), hard, indurated, few vugs, fossiliferous, trace to few shell molds and casts, strong HCl reaction (Lower Fort Thompson Formation)
-66.3	65.2					RUN-8		55.2ft: few vugs
-71.3	70.2					RUN-9		60.2ft: trace vugs, few to some shell molds and casts
						RUN-10		65.2ft: few shell molds

TURKEY POINT COL BORE TURKEY POINT GPT TURKEY POINT COL GDT 7/10/08



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-55 LC (RAL)				DRILLER: R. Banks/ J. Rosser				GROUND WATER (ft)		
BORING NO.: B-716				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA		
GROUND ELEV.: -1.1 ft (NAVD88)				NORTHING: 397,214 US ft (NAD83/90)				EASTING: 875,873 US ft (NAD83/90)				24 HR. NA		
TOTAL DEPTH: 126.6 ft		BORING DIAMETER: 4" to 23.6', 3" to 126.6'				CASING DEPTH: 4" to 23.6', 3" to 115.2'				HAMMER (ID): 140 lb. Auto (MEC-02)				
DATE STARTED: 4/8/08		COMPLETED: 4/16/08				CORE SIZE: HQ3				BITS USED: 2 7/8" Tricone				
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				
-75.9					Continued from previous page									
-76.3	75.2													LIMESTONE, boundstone, white (10YR8/1), hard, indurated, few vugs, fossiliferous, trace to few shell molds and casts, strong HCl reaction (Lower Fort Thompson Formation) (continued) 75.2ft: no vugs 80.2ft: trace to few shell molds and casts
-80.4	79.3													
-81.3	80.2													
-86.3	85.2													85.2ft: little vugs
-91.3	90.2													
-96.3	95.2													95.2ft: medium hard to moderately hard, moderately indurated, no vugs, some shell molds and casts
-101.3	100.2													
-106.3	105.2													105.2ft: medium hard, moderately indurated, little vugs, mostly shell molds and casts
-111.3	110.2													110.2ft: soft to medium hard, friable to moderately indurated
-116.3	115.2	11	16	25										115.2ft: Switch sampling method to SPT
-126.2	125.1	22	14	8										125.1ft: olive gray (5Y5/2), medium dense, trace shell fragments Boring Terminated at Elevation -127.7 ft

TURKEY POINT COL BORE, TURKEY POINT GPJ, TURKEY POINT COL GDI 7/10/08