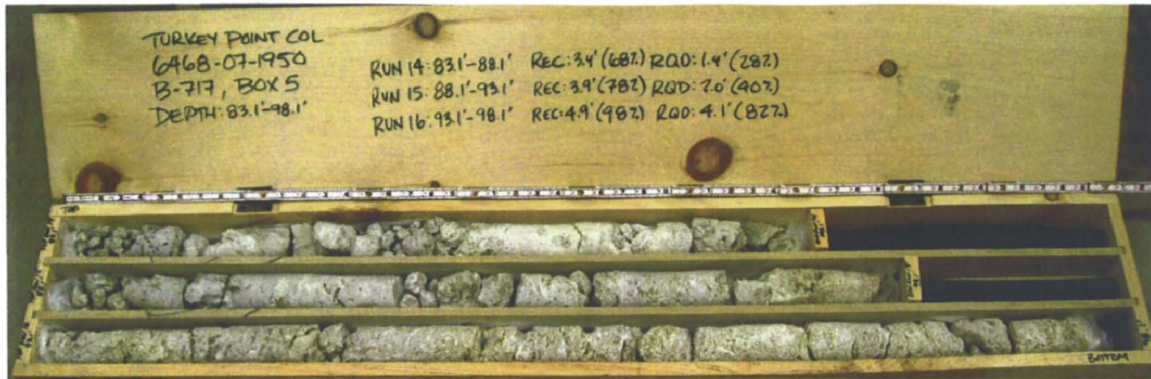
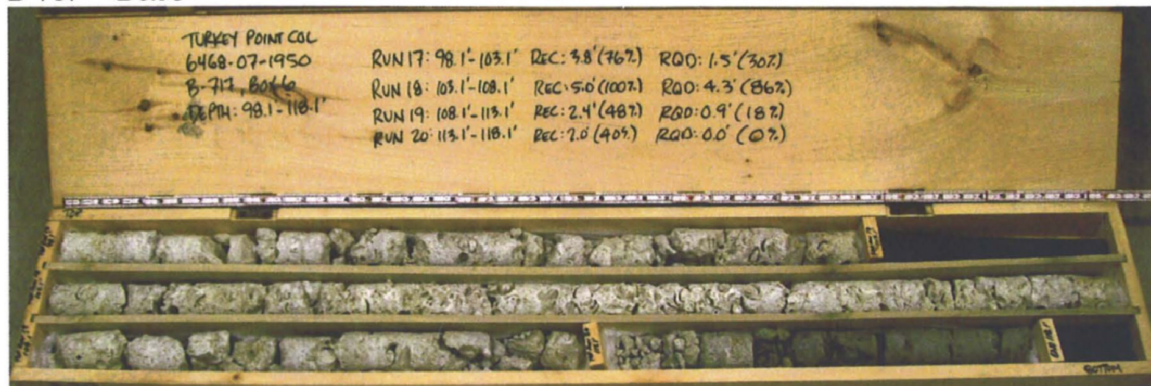




B-717 - Box 5



B-717 - Box 6



GEOTECHNICAL BORING LOG

Prepared By DPZ Date 5-30-08Checked By MLL Date 5-30-08

SHEET 1 OF 3

BECHTEL PROJECT NO.: 25409					MACTEC PROJECT NO.: 6468-07-1950					COUNTY: Miami-Dade			GEOLOGIST: L. Bisson					
SITE DESCRIPTION: Turkey Point COL					DRILL MACHINE: CME-550 (ATL)					DRILLER: L. Carter/ J. Landeros					GROUND WATER (ft)			
BORING NO.: B-718					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core					0 HR. NA			
GROUND ELEV.: -1.2 ft (NAVD88)					NORTHING: 397,191 US ft (NAD83/90)					EASTING: 875,793 US ft (NAD83/90)					24 HR. NA			
TOTAL DEPTH: 150.8 ft			BORING DIAMETER: 4" to 34.8', 3" to 150.8'					CASING DEPTH: 4" to 34.8', 3" to 120.0'					HAMMER (ID):140 lb. Auto (MEC-03)					
DATE STARTED: 4/3/08			COMPLETED: 4/5/08			CORE SIZE: HQ3			BITS USED: 3" & 4" Roller Cones									
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT						SAMP. NO.	▼ MOI	LOG	SOIL AND ROCK DESCRIPTION				
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100								
-1.2					Ground Surface												-1.2	0.0
-1.2	0.0	WOR	WOR	WOR	●0						718-1				MUCK, brown (10YR5/3), to very dark grayish brown (10YR3/2), very soft, wet, organic, strong HCl reaction, trace shells	-4.3	3.1	
-3.7	2.5	4	5	8							718-2A&B							
-6.2	5.0	8	7	6	●13	SEE LEGEND FOR ROCK HARDNESS CRITERIA BASED ON SPT DATA					718-3				2.5ft: very dark gray (10YR3/1), to black (10YR2/1)			
-8.7	7.5	8	11	4	●13						718-4				LIMESTONE, boundstone, pale yellow (2.5Y8/2), very soft, wet, sandy, fossiliferous, strong HCl reaction, oolitic (Miami Formation)			
-11.2	10.0	WOH	3	13	●15						718-5				7.5ft: pale yellow (2.5Y8/2), to very dark gray (2.5Y3/1)			
-13.7	12.5	6	10	14	●16						718-6				10.0ft: white (10YR8/1), to very dark gray (10YR3/1), trace vugs			
-16.2	15.0	20	22	21	●24						718-7				12.5ft: white (10YR8/1), to light gray (10YR7/1), soft			
-20.7	19.5	6	4	5	●43						718-8				15.0ft: white (10YR8/1), medium hard			
-25.7	24.5	6	23	30	●9						718-9				19.5ft: very soft			
-30.7	29.5	9	33	13	●53						718-10				24.5ft: white (10YR8/1), to light gray (10YR7/1), moderately hard			
-35.7	34.5				●46						718-11							
-36.0	34.8	50/0.3			●50/0.3						RUN-1				LIMESTONE, boundstone, white (10YR8/1), to light brownish gray (10YR6/2), hard, wet, fossiliferous, trace vugs, strong HCl reaction (Upper Fort Thompson Formation)		32.0	
-39.1	37.9										RUN-2				34.0ft: loss of circulation			
-44.1	42.9										RUN-3				34.8ft: Switch sampling method to coring			
-49.1	47.9										RUN-4				34.8ft: white (2.5Y8/1) and gray (2.5Y6/1), indurated, coralline, little vugs			
-54.1	52.9										RUN-5				37.9ft: white (2.5Y8/1), trace vugs, trace recrystallized calcite			
-59.1	57.9										RUN-6				42.9ft: white (2.5Y8/1), to pale yellow (2.5Y7/4), to gray (2.5Y6/1), moderately hard, moderately indurated, mostly coralline, horizontal bedding plane at 47.1ft		47.1	
-64.1	62.9										RUN-7				LIMESTONE, boundstone, white (10YR8/1), to pale brown (10YR6/3), hard, indurated, fossiliferous, trace shell molds, trace vugs, strong HCl reaction (Lower Fort Thompson Formation)			
-69.1	67.9										RUN-8				52.9ft: white (10YR8/1), trace sandy			
-74.1	72.9										RUN-9				57.9ft: white (2.5Y 8/1), to light gray (2.5Y7/1), moderately hard to hard, sandy, trace to few shell molds and casts			
															62.9ft: light gray (10YR7/1), moderately hard, moderately indurated			
															67.9ft: white (10YR8/1), moderately hard, moderately indurated to indurated			
															72.9ft: medium hard to moderately hard,			

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



SHEET 2 OF 3

BECHTEL PROJECT NO.: 25409		MACTEC PROJECT NO.: 6468-07-1950		COUNTY: Miami-Dade		GEOLOGIST: L. Bisson							
SITE DESCRIPTION: Turkey Point COL		DRILL MACHINE: CME-550 (ATL)		DRILLER: L. Carter/ J. Landeros		GROUND WATER (ft)							
BORING NO.: B-718		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA							
GROUND ELEV.: -1.2 ft (NAVD88)		NORTHING: 397,191 US ft (NAD83/90)		EASTING: 875,793 US ft (NAD83/90)		24 HR. NA							
TOTAL DEPTH: 150.8 ft		BORING DIAMETER: 4" to 34.8", 3" to 150.8"		CASING DEPTH: 4" to 34.8", 3" to 120.0'		HAMMER (ID): 140 lb. Auto (MEC-03)							
DATE STARTED: 4/3/08		COMPLETED: 4/5/08		CORE SIZE: HQ3		BITS USED: 3" & 4" Roller Cones							
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			
-76.0					Continued from previous page								
-79.1	77.9										RUN-10		moderately indurated 74.0 to 83.0ft: possible interbedded sand layers; based on drill rates LIMESTONE, boundstone, white (10YR8/1), to pale brown (10YR6/3), hard, indurated, fossiliferous, trace shell molds, trace vugs, strong HCl reaction (Lower Fort Thompson Formation) (continued)
-84.1	82.9										RUN-11		77.9ft: medium hard, interbedded sand layers through out
-89.1	87.9										RUN-12		82.9ft: moderately hard, moderately indurated to indurated
-94.1	92.9										RUN-13		87.9ft: moderately hard to hard
-99.1	97.9										RUN-14		92.9ft: medium hard
-104.1	102.9										RUN-15		97.7ft: few vugs, little shell molds and casts
-109.1	107.9										RUN-16		102.9ft: moderately hard
-114.1	112.9										RUN-17		107.9ft: white (2.5Y8/1), to light gray (10YR7/1), medium hard, few shell molds and casts
-119.5	118.3	4	5	9							718-12		112.9ft: light gray (10YR7/1), moderately hard, trace vugs
-128.6	127.4	3	5	5							718-13		Silty SAND (SM), light gray (2.5Y7/1), to light greenish gray (10Y7/1), medium dense, wet, fine grained sand, strong HCl reaction, trace shell fragments (Tamiami Formation)
-138.6	137.4	7	7	9							718-14		118.3ft: Switched sampling method to SPT
-150.5	149.3												127.4ft: olive gray (5Y5/2), loose
													136.2
													135.0
													Sandy SILT (ML), olive gray (5Y4/3), very stiff, wet, strong HCl reaction

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